



Publications at Port Said University

SDG 7

Data set	Publications at Port Said University
Year range	2020 to 2024
Subject	
classification	ASJC
Filtered by	not filtered
Types of publications included	All publication types
Self-citations	-
Data source	Scopus
Date last	
updated	29 October 2025
Date exported	9 November 2025
319 publications	
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Dates	https://service.elsevier.com/app/answers/detail/a_id/35535/supporthub/scival/

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		Number of			Full		
Title	Authors	Authors	Scopus Author Ids	Year	date	Scopus Source title	Language
Titto	Authors	Authors	55362658600 57188922811	Teur	uute	ocopus oddree title	Eurigaage
	Osman, A.I. Mehta, N. Elgarahy, A.M.		57192696143 56037605200				
Hydrogen production, storage, utilisation	Hefny, M. Al-Hinai, A. Al-Muhtaseb,		39761537200 57117662400		2022-		
and environmental impacts: a review	A.H. Rooney, D.W.	7	7006139453	2022	02-01	Environmental Chemistry Letters	English
·	Osman, A.I. Mehta, N. Elgarahy, A.M.		55362658600 57188922811			,	
Conversion of biomass to biofuels and life	Al-Hinai, A. Al-Muhtaseb, A.H. Rooney,		57192696143 39761537200		2021-		
cycle assessment: a review	D.W.	6	57117662400 7006139453	2021	12-01	Environmental Chemistry Letters	English
			55362658600 57218328110				
Biochar for agronomy, animal farming,			57209493826 57208340688				
anaerobic digestion, composting, water	Osman, A.I. Fawzy, S. Farghali, M. El-		57192696143 57159463700				
treatment, soil remediation, construction,	Azazy, M. Elgarahy, A.M. Fahim, R.A.		57202917751 57669430200				
energy storage, and carbon sequestration:	Maksoud, M.I.A.A. Ajlan, A.A. Yousry,	11	57667438500 57786310800	2022	2022-	Environmental Chemietry Letters	English
a review	M. Saleem, Y. Rooney, D.W.	11	7006139453 55362658600 57214070738	2022	08-01	Environmental Chemistry Letters	English
			57192696143 57201201097				
	Osman, A.I. El-Monaem, E.M.A.		57222529755 57209493826				
	Elgarahy, A.M. Aniagor, C.O. Hosny, M.		57226160124 57188579501				
Methods to prepare biosorbents and	Farghali, M. Rashad, E. Ejimofor, M.I.		56272726300 23102939800				
magnetic sorbents for water treatment: a	López-Maldonado, E.A. Ihara, I. Yap, P		36140024400 7006139453		2023-		
review	S. Rooney, D.W. Eltaweil, A.S.	13	57204148976	2023	08-01	Environmental Chemistry Letters	English
			55362658600 57855097200				
Membrane Technology for Energy Saving:	Osman, A.I. Chen, Z. Elgarahy, A.M.		57192696143 57209493826				
Principles, Techniques, Applications,	Farghali, M. Mohamed, I.M.A. Priya,		57226333251 57226315795		2024-	Advanced Energy and Sustainability	
Challenges, and Prospects	A.K. Hawash, H.B. Yap, PS.	8	57202771929 36140024400	2024	05-01	Research	English
			55362658600 57209493826				
			23102939800 57192696143				
	Osman, A.I. Farghali, M. Ihara, I.		58112306300 57188922811				
Materials, fuels, upgrading, economy, and	Elgarahy, A.M. Ayyad, A. Mehta, N. Ng,		56271854000 57214070738				
life cycle assessment of the pyrolysis of	K.H. Abd El-Monaem, E.M. Eltaweil,		57204148976 57222529755		0000		
algal and lignocellulosic biomass: a	A.S. Hosny, M. Hamed, S.M. Fawzy, S. Yap, PS. Rooney, D.W.	14	55598507100 57218328110 36140024400 7006139453	2023	2023- 06-01	Environmental Chemistry Letters	English
review	5. fap, F5. Rooney, D.W.	14	55362658600 58139577400	2023	06-01	Environmental Chemistry Letters	English
Optimizing biomass pathways to	Osman, A.I. Lai, Z.Y. Farghali, M. Yiin,		57209493826 56223568100				
bioenergy and biochar application in	C.L. Elgarahy, A.M. Hammad, A. Ihara,		57192696143 57200181654				
electricity generation, biodiesel	I. Al-Fatesh, A.S. Rooney, D.W. Yap,		23102939800 36682023300		2023-		
production, and biohydrogen production	PS.	10	7006139453 36140024400	2023	10-01	Environmental Chemistry Letters	English
An Optimized Hybrid Fractional Order	Mohamed, E.A. Ahmed, E.M. Elmelegi,		59050958600 58170672000				
Controller for Frequency Regulation in	A. Aly, M. Elbaksawi, O. Mohamed, A		57207952985 55160246200		2020-		
Multi-Area Power Systems	A.A.	6	57194940295 57014127300	2020	01-01	IEEE Access	English
Thermochemical conversion strategies of							
biomass to biofuels, techno-economic	Elgarahy, A.M. Hammad, A. El-Sherif,		57192696143 57200181654				
and bibliometric analysis: A conceptual	D.M. Abouzid, M. Gaballah, M.S.		57307212500 57204445082		2021-	Journal of Environmental Chemical	
review	Elwakeel, K.Z.	6	57221645534 9433357000	2021	12-01	Engineering	English
			55362658600 57192696143				
			57204148976 57214070738				
	Osman, A.I. Elgarahy, A.M. Eltaweil,		57267957300 57219351360				
Biofuel production budgets and activities	A.S. Abd El-Monaem, E.M. El-Aqapa,		36623731200 43761851600				
Biofuel production, hydrogen production and water remediation by photocatalysis,	H.G. Park, Y. Hwang, Y. Ayati, A.		57209493826 23102939800 57117662400 7006139453		2023-		
biocatalysis and electrocatalysis	Farghali, M. Ihara, I. Al-Muhtaseb, A.H. Rooney, D.W. Yap, PS. Sillanpää, M.	14	36140024400 7006139453 36140024400 7101751659	2023	06-01	Environmental Chemistry Letters	English
biocutaty 313 and electrocataty 313	nooney, b.w. rap, ro. ontanpaa, rt.	14	57202517390 57213677012	2023	00-01	Environmental Orientally Letters	Engasit
			57190688900 55584792053				
	Ahmad, I. Ahmed, J. Batool, S. Zafar,		57312926000 55583481400				
Design and fabrication of Fe2O3/FeP	M.N. Hanif, A. Zahidullah Nazar, M.F.		24759084400 6601953025				
heterostructure for oxygen evolution	Ul-Hamid, A. Jabeen, U. Dahshan, A.		39261698200 6602133954		2022-		
reaction electrocatalysis	Idrees, M. Shehzadi, S.A.	12	59351245700 56288770600	2022	02-15	Journal of Alloys and Compounds	English
Recent Advances in Biomass Pyrolysis			57216211196 58519969700				
Processes for Bioenergy Production:	Aboelela, D. Saleh, H. Attia, A.M.		55396230100 57194448020		2023-		
Optimization of Operating Conditions	Elhenawy, Y. Majozi, T. Bassyouni, M.	6	55961235600 57193261423	2023	07-01	Sustainability (Switzerland)	English

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An Adaptive D-FACTS for Power Quality	Elmetwaly, A.H. Eldesouky, A.A.		F7040000451050740454017004404004	2000	2020-	IEEE Assess	Faciliate
Enhancement in an Isolated Microgrid	Sallam, A.A.	3	57216260215 6507131518 7004461634	2020	01-01	IEEE Access	English
Optimum Modified Fractional Order Controller for Future Electric Vehicles and			58170672000 59050958600				
Renewable Energy-Based Interconnected	Ahmed, E.M. Mohamed, E.A. Elmelegi,		57207952985 55160246200		2021-		
Power Systems	1	5	57194940295	2021	01-01	IEEE Access	English
Recent advances in greenly synthesized	A. Aly, M. Elbaksawi, O.	5	57194940295	2021	01-01	IEEE ACCESS	Eligusii
nanoengineered materials for							
water/wastewater remediation: an	Elgarahy, A.M. Elwakeel, K.Z. Akhdhar,		57192696143 9433357000		2021-	Nanotechnology for Environmental	
overview	A. Hamza, M.F.	4	57211919684 36727582700	2021	05-01	Engineering	English
Overview	A. Hailiza, M.F.	4	57044928200 57216860538	2021	03-01	Engineering	Eligiisii
			55362658600 57214070738				
	Xu, Y. Rashwan, A.K. Osman, A.I. Abd		57192696143 57204148976				
Synthesis and potential applications of	El-Monaem, E.M. Elgarahy, A.M.		57894989600 57191834563				
cyclodextrin-based metal-organic	Eltaweil, A.S. Omar, M. Li, Y. Mehanni,		22835568300 57087450700		2023-		
frameworks: a review	AH.E. Chen, W. Rooney, D.W.	11	7006139453	2023	02-01	Environmental Chemistry Letters	English
	Georgious, R. Refaat, R. Garcia, J.	11	57188821287 57242490600	2023	2021-	Environmental Chemistry Letters	Eligusii
Review on energy storage systems in	Daoud, A.A.	4	55664321200 36886391800	2021	09-01	Floatranica (Switzerland)	English
microgrids	Daouu, A.A.	4		2021	09-01	Electronics (Switzerland)	English
Biomass-to-sustainable biohydrogen:	Eloffy, M.G. Elgarahy, A.M. Saber, A.N.		55919580700 57192696143 54954871200 57200181654				
Insights into the production routes, and	Hammad, A. El-Sherif, D.M. Shehata,		57307212500 57200181654		2022-		
technical challenges	M. Mohsen, A. Elwakeel, K.Z.	8	57859732100 9433357000	2022	11-15	Chemical Engineering Journal Advances	English
A novel metaheuristic MPPT technique	in i monsell, A. Elwakeel, K.Z.	٥	3/039/32100 943333/000	2022	11-13	Chemical Engineering Journal Advances	Liiguon
based on enhanced autonomous group							
Particle Swarm Optimization Algorithm to			57207986070 57667659200				
track the GMPP under partial shading	Refaat, A. Khalifa, AE. Elsakka, M.M.		57195454644 57194448020		2023-		
conditions - Experimental validation	Elhenawy, Y. Kalas, A. Elfar, M.H.	6	6602469009 57193610159	2023	07-01	Energy Conversion and Management	English
Comprehensive investigation of Opto-	Ettleflawy, 1. Katas, A. Ettal, 19.11.	0	0002409009 37193010139	2023	07-01	Energy Conversion and Hanagement	Eligiisii
electronic and transport properties of							
Cs2ScAgX6 (X = Cl, Br, I) for solar cells	Aslam Khan, M. Alburaih, H.A. Noor,		26662424200 57193509752		2021-		
and thermoelectric applications	N.A. Dahshan, A.	4	35812147900 6602133954	2021	09-01	Solar Energy	English
Sustainable management of food waste;	N.A. Dalisliali, A.	4	33812147900 0002133934	2021	09-01	Solai Elleigy	Eligiisii
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economic assessment, bibliometric	Elgarahy, A.M. Eloffy, M.G. Alengebawy,		57217536176 57307212500				
analysis, and potential utilizations: A	A. El-Sherif, D.M. Gaballah, M.S.		57221645534 9433357000		2023-		
systematic review	Elwakeel, K.Z. El-Qelish, M.	7	47360967500	2023	05-15	Environmental Research	English
systematic review	Liwakeet, K.Z. Li-Qetish, M.	,	57518173000 57203854048	2023	03-13	Environmentar Nesearch	Liigusii
Emerging 2D-Nanostructured materials	Noreen, S. Tahir, M.B. Hussain, A.		58285931100 57211691136				
for electrochemical and sensing	Nawaz, T. Rehman, J.U. Dahshan, A.		8512542600 6602133954		2022-		
Application-A review	Alzaid, M. Alrobei, H.	8	57193761447 57200047367	2022	01-05	International Journal of Hydrogen Energy	English
Experimental and simulation study of			1. 113/01/1/ 0/2004/00/				
multichannel air gap membrane							
distillation process with two types of solar	Marni Sandid, A. Bassyouni, M. Nehari,		57225008605 57193261423		2021-		
collectors	D. Elhenawy, Y.	4	8554710700 57194448020	2021	09-01	Energy Conversion and Management	English
Performance evaluation of single multi-	1,	· 1				, , , ,	
junction solar cell for high concentrator			57214309902 57201844260				
photovoltaics using minichannel heat sink	Ahmed, A. Zhang, G. Shanks, K.		56755068800 57190937321		2021-		
with nanofluids	Sundaram, S. Ding, Y. Mallick, T.	6	57203078526 6602652097	2021	01-05	Applied Thermal Engineering	English
	0, 11 0, 11 1	-	59644436400 57202517390		<u> </u>		
			15136944200 55584792053				
			56527004000 58513736500	1	1		
	Khan, N.A. Ahmad, I. Rashid, N. Zafar,		6601953025 24759084400	1	1		
Enhanced electrochemical activity of	M.N. Shehzad, F.K. ullah, Z. Ul-Hamid,		59901445100 57202237895				
Co3O4/Co9S8 heterostructure catalyst for	A. Nazar, M.F. Junaid, M. Faheem, M.		57021451200 39261698200	1	2022-		
water splitting	Shafqat, S.S. Jabeen, U. Dahshan, A.	13	6602133954	2022	08-22	International Journal of Hydrogen Energy	English
Assessment of floating photovoltaic			56520325200 57193408017				
productivity with fins-assisted passive	Elminshawy, N.A.S. El-Damhogi, D.G.		57203242113 57218657528		2022-		
cooling	Ibrahim, I.A. Elminshawy, A. Osama, A.	5	57345484500	2022	11-01	Applied Energy	English
Simulation and experimental performance	Elminshawy, N.A.S. Osama, A. El-		56520325200 57345484500				
analysis of partially floating PV system in	Damhogi, D.G. Oterkus, E. Mohamed,		57193408017 8345890200	1	2021-		
windy conditions	A.M.I.	5	57194436759	2021	12-01	Solar Energy	English

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A novel concentrated photovoltaic-driven							
membrane distillation hybrid system for	Elminshawy, N.A.S. Gadalla, M.A.		56520325200 14048292400		0000		
the simultaneous production of electricity	Bassyouni, M. El-Nahhas, K.		57193261423 58239442100		2020-		
and potable water	Elminshawy, A. Elhenawy, Y.	6	57218657528 57194448020	2020	12-01	Renewable Energy	English
			24390380800 6505746085				
	Abd-Elmageed, A.A.I. Al-Hossainy, A.F.		9275496200 57931448800				
	Fawzy, E.M. Almutlaq, N. Eid, M.R.		36183847400 57188561764				
Synthesis, characterization and DFT	Bourezgui, A. Abdel-Hamid, S.M.S.		55032292500 57212109986				
molecular modeling of doped poly (para-	Elsharkawy, N.B. Zwawi, M. Abdel-Aziz,		56584631800 36463135100				
nitroaniline-co-para-toluidine) thin film for	M.H. Bassyouni, M. Slimane, A.B.		57193261423 6602968498		2020-		
optoelectronic devices applications	Zoromba, M.S.	13	16305817700	2020	01-01	Optical Materials	English
Extraction of maximum power from PV			57207986070 57470525500				
system based on horse herd optimization	Refaat, A. Ali, Q.A. Elsakka, M.M.		57195454644 57194448020				
MPPT technique under various weather	Elhenawy, Y. Majozi, T. Korovkin, N.V.		55961235600 6601971248		2024-		
conditions	Elfar, M.H.	7	57193610159	2024	01-01	Renewable Energy	English
Thermo-electrical performance	Estal (1 mm	- 1	0,100010100	2021	0101	Tronovasto Energy	Ligion
	Elminohous, N.A.S.I. Coomo, A.I. Soif		56520325200 57345484500		2022-		
assessment of a partially submerged	Elminshawy, N.A.S. Osama, A. Saif, A.M. Tina, G.M.	4	15844161500 59205356400	2022	05-01	Energy	English
floating photovoltaic system	A.M. IIIIa, G.M.	4		2022	05-01	Energy	English
Efficient fractional-order modified Harris	V S D I M S C I M S C C C C C C C C C C C C C C C C C		56688582500 51461922300				
hawks optimizer for proton exchange	Yousri, D. Mirjalili, S. Machado, J.A.T.		55989030100 56267551500		2021-	Engineering Applications of Artificial	F. W.
membrane fuel cell modeling	Thanikanti, S.B. elbaksawi, O. Fathy, A.	6	57194940295 25654839300	2021	04-01	Intelligence	English
Performance enhancement of a hybrid				1	1		
multi effect evaporation/membrane	Elhenawy, Y. Moustafa, G.H. Attia,		57194448020 6603166380	1	1		
distillation system driven by solar energy	A.M. Mansi, A.E. Majozi, T. Bassyouni,		55396230100 57427621200	1	2022-	Journal of Environmental Chemical	
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Doped poly (o-phenylenediamine -co- p-							
toluidine) fibers for polymer solar cells					2020-		
applications	Zoromba, M.S. Al-Hossainy, A.F.	2	16305817700 6505746085	2020	01-01	Solar Energy	English
Design and performance a novel hybrid			·			5,	Ĭ
membrane distillation/humidification-	Elhenawy, Y. Fouad, K. Bassyouni, M.		57194448020 57217049298		2023-		
dehumidification system	Majozi, T.	4	57193261423 55961235600	2023	06-15	Energy Conversion and Management	English
	,		56435865100 57194448020				
Performance enhancement of flat-plate	AbdEl-Rady Abu-Zeid, M. Elhenawy, Y.		57193261423 55961235600				
and parabolic trough solar collector using	Bassyouni, M. Majozi, T. Toderas, M.		55963977100 57548767000		2024-		
nanofluid for water heating application	Al-Qabandi, O.A. Kishk, S.S.	7	57194787820	2024	03-01	Results in Engineering	English
	At-Qabanui, O.A. Kistik, 3.3.	,	3/194/8/820	2024	03-01	Nesutts III Eligilieelilig	Eligiisii
Tuning cationic/anionic dyes sorption	Florente A M Marcad A Florence		F74000004401 F70440470001		2023-		
from aqueous solution onto green algal	Elgarahy, A.M. Maged, A. Elwakeel,	_	57192696143 57211217930	2000		Facility and the December 1	Facility
biomass for biohydrogen production	K.Z. El-Gohary, F. El-Qelish, M.	5	9433357000 7003487679 47360967500	2023	01-01	Environmental Research	English
Performance enhancement of					l		
concentrator photovoltaic systems using	Elminshawy, A. Morad, K. Elminshawy,		57218657528 57225262125		2021-		
nanofluids	N.A.S. Elhenawy, Y.	4	56520325200 57194448020	2021	02-01	International Journal of Energy Research	English
Synthesis and characterization of Co-Al							
mixed oxide nanoparticles via thermal	Abdel-Aziz, M.H. Zoromba, M.S.		36463135100 16305817700	1	1		
decomposition route of layered double	Bassyouni, M. Zwawi, M. Alshehri, A.A.		57193261423 56584631800	1	2020-		
hydroxide	Al-Hossainy, A.F.	6	25638201400 6505746085	2020	04-15	Journal of Molecular Structure	English
			57192696143 55919580700				
Hydrogen production from wastewater,	Elgarahy, A.M. Eloffy, M.G. Hammad,		57200181654 54954871200				
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applications: a review	A. Abouzid, M. Elwakeel, K.Z.	8	57204445082 9433357000	2022	12-01	Environmental Chemistry Letters	English
An energy-economic analysis of a hybrid			• • • • • • • • • • • • • • • • • • • •			, , , , , , , , , , , , , , , , , , , ,	_
PV/wind/battery energy-driven hydrogen	Elminshawy, N.A.S. Diab, S. Yassen,		56520325200 58822717100	1	2024-		
generation system in rural regions of Egypt	Y.E.S. Elbaksawi, O.	4	57195454300 57194940295	2024	03-01	Journal of Energy Storage	English
Performance and potential of a novel	Elminshawy, N.A.S. Mohamed, A.M.I.	7	56520325200 57194436759	2024	00 01	Journal of Energy oldruge	Linguist
			·	1	2022-		
floating photovoltaic system in Egyptian	Osama, A. Amin, I. Bassam, A.M.		57345484500 57217016463	2022		International Journal of Hydrogen France	English
winter climate on calm water surface	Oterkus, E.	6	56769619600 8345890200	2022	03-22	International Journal of Hydrogen Energy	English
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context of the water-energy nexus	Gagliano, A. Oterkus, E. Tina, G.M.	5	7003725643 8345890200 59205356400	2024	09-15	Energy	English
Advanced process integration for							
supercritical production of biodiesel:							
Residual waste heat recovery via organic	Aboelazayem, O. Gadalla, M. Alhajri, I.		57194698086 14048292400		2021-		
Rankine cycle (ORC)	Saha, B.	4	36242852100 7202946094	2021	02-01	Renewable Energy	English

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	Zoromba, M.S. Tashkandi, M.A.		16305817700 57184164900				
Polymer solar cell based on doped o-	Alshehri, A.A. Abdel-Aziz, M.H.		25638201400 36463135100				
anthranilic acid and o-aminophenol	Bassyouni, M. Mahmoud, S.A. Ben		57193261423 57793260800		2020-		
copolymer	Slimane, A. Al-Hossainy, A.F.	8	56149224500 6505746085	2020	06-01	Optical Materials	English
			57003304600 57193261423				
Performance estimation of a mini-passive	Maddah, H.A. Bassyouni, M. Abdel-Aziz,		36463135100 16305817700		2020-		
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An innovative cooling technique for							
floating photovoltaic module: Adoption of	Elminshawy, N.A.S. Elminshawy, A.		56520325200 57218657528		2023-		
partially submerged angle fins	Osama, A.	3	57345484500	2023	10-01	Energy Conversion and Management: X	English
One-pot conversion of highly acidic waste	Journa, 7 ii		57194205745 57191276223	2020	10 01	Energy conversion and ranagement x	Linguisti
cooking oil into biodiesel over a novel bio-	Naeem, M.M. Al-Sakkari, E.G. Boffito,		35177220000 14048292400		2021-		
based bi-functional catalyst	D.C. Gadalla, M.A. Ashour, F.H.	5	57788821500	2021	01-01	Fuel	English
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Power management strategy based on	Folgo, H.M. I. Fldonoulou A.A. I. Konnom		244402220001 65071215101		2020-		
adaptive neuro fuzzy inference system for	Fekry, H.M. Eldesouky, A.A. Kassem,		24449223000 6507131518	2000		IEEE Assess	Facility
AC microgrid	A.M. Abdelaziz, A.Y.	4	36930334100 7003870872	2020	01-01	IEEE Access	English
Design and characterization of a vertical-							
axis micro tidal turbine for low velocity	Gharib Yosry, A. Fernández-Jiménez, A.		57204932141 57216433417		2021-		
scenarios	Álvarez-Álvarez, E. Blanco Marigorta, E.	4	57216442051 57189341741	2021	06-01	Energy Conversion and Management	English
			23975528100 58903457600				
			23977632000 7801441564	1	I		
	El Bari, H. Fanezoune, C.K. Dorneanu,		55961235600 57194448020				
	B. Arellano-Garcia, H. Majozi, T.		58496829400 58903535600				
Catalytic fast pyrolysis of lignocellulosic	Elhenawy, Y. Bayssi, O. Hirt, A.		12773996900 57196939945				
biomass: Recent advances and	Peixinho, J. Dhahak, A. Gadalla, M.A.		14048292400 57789685300		2024-	Journal of Analytical and Applied	
comprehensive overview	Khashaba, N.H. Ashour, F.H.	13	57788821500	2024	03-01	Pyrolysis	English
Theoretical investigation of the							
temperature limits of an actively cooled	Ahmed, A. Shanks, K. Sundaram, S.		57214309902 56755068800		2020-		
high concentration photovoltaic system	Mallick, T.K.	4	57190937321 6602652097	2020	04-01	Energies	English
Dual valorization of coastal biowastes for			,			. 0	
tetracycline remediation and biomethane							
production: A composite assisted	El-Qelish, M. Maged, A. Elwakeel, K.Z.		47360967500 57211217930		2024-		
anaerobic digestion	Bhatnagar, A. Elgarahy, A.M.	5	9433357000 7202474586 57192696143	2024	03-05	Journal of Hazardous Materials	English
Effectiveness of some novel heterocyclic	Diamagar, 76. Etgarany, 76.11.	J	0400007000 7202474000 07102000140	2024	00 00	Journal of Fluzura das Fluterials	Engusii
compounds as corrosion inhibitors for	Fouda, EA. Abd el-Maksoud, S.A. El-		56231506400 57217865712				
carbon steel in 1 M HCl using practical	Sayed, E.H. Elbaz, H.A. Abousalem,		57150626600 57222962081		2021-		
	1 1	_		0001		BCC Advance	English
and theoretical methods	A.S.	5	25645670000	2021	05-07	RSC Advances	English
Coyote optimization based on a fuzzy logic							
algorithm for energy-efficiency in wireless	Mohamed, A. Saber, W. Elnahry, I.		57217369983 56081796100		2020-		
sensor networks	Hassanien, A.E.	4	57216269637 57192178208	2020	01-01	IEEE Access	English
Toward a national life cycle assessment							
tool: Generative design for early decision	Hassan, S.R. Megahed, N.A. Abo		57678804100 55941539500		2022-		
support	Eleinen, O.M. Hassan, A.M.	4	57214334960 57214328061	2022	07-15	Energy and Buildings	English
Integration of active solar cooling							
technology into passively designed facade	Noaman, D.S. Moneer, S.A. Megahed,		57173181300 57754105500		2022-		
in hot climates	N.A. El-Ghafour, S.A.	4	55941539500 35324439700	2022	09-15	Journal of Building Engineering	English
Thermal regulation of partially floating							
photovoltaics for enhanced electricity			56520325200 57345484500				
production: A modeling and experimental	Elminshawy, N.A.S. Osama, A. Naeim,		57216907821 57194940295		2022-	Sustainable Energy Technologies and	
analysis	N. Elbaksawi, O. Marco Tina, G.	5	59205356400	2022	10-01	Assessments	English
Experimental performance analysis of							
enhanced concentrated photovoltaic				1	1		
utilizing various mass flow rates of Al2O3-			56520325200 57218657528				
nanofluid: Energy, exergy, and	Elminshawy, N. Elminshawy, A. Osama,		57345484500 57193261423		2022-	Sustainable Energy Technologies and	
exergoeconomic study	A. Bassyouni, M. Arıcı, M.	5	36093844300	2022	10-01	Assessments	English
Facile synthesis of spin-coated poly (4-					10 01		0
nitroaniline) thin film: Structural and	Abed-Elmageed, A.A.I. Zoromba, M.S.		57210728401 16305817700	1	2020-		
optical properties	Hassanien, R. Al-Hossainy, A.F.	4	25936401100 6505746085	2020	11-01	Optical Materials	English
	Hassallien, n. ActivSSdilly, A.F.	4	2000401100 0000740000	2020	11-01	Optical materials	Liiguali
Exploring the potential of sheep wool as							
an eco-friendly insulation material: A	Hadimus C.I.Massahad N.I.Elsissa C.		E000040E0001 EE044E00E001		0004		
comprehensive review and analytical ranking	Hetimy, S. Megahed, N. Eleinen, O.A.		58230125300 55941539500	0004	2024-	Containable Materials of Table 1	Facilish
	Elgheznawy, D.	4	57223402796 57224494477	2024	04-01	Sustainable Materials and Technologies	English

	Alhussan, A.A. El-Kenawy, ES.M.		57188740003 57191347112 57200638059 34876676400				
Green hydrogen production ensemble	Saeed, M.A. Ibrahim, A. Abdelhamid,		55328560100 35795379100				
forecasting based on hybrid dynamic	A.A. Eid, M.M. El-Said, M. Khafaga,		57222167832 58088844800		2023-		
optimization algorithm	D.S. Abualigah, L. Elbaksawi, O.	10	57190984712 57194940295	2023	01-01	Frontiers in Energy Research	English
Performance evaluation of a novel self-			·			-	
tuning particle swarm optimization							
algorithm-based maximum power point							
tracker for porton exchange membrane	Refaat, A. Elbaz, A. Khalifa, AE.		57207986070 57668987700				
fuel cells under different operating	Mohamed Elsakka, M. Kalas, A. Hegazy		57667659200 57195454644		2024-		
conditions	Elfar, M.	6	6602469009 57193610159	2024	02-01	Energy Conversion and Management	English
Conceptual design and numerical analysis							
of a novel floating desalination plant			57217016463 57145634100				
powered by marine renewable energy for	Amin, I. Ali, M.E.A. Bayoumi, S.		56304821100 55817858100		2020-	Journal of Marine Science and	
Egypt	Oterkus, S. Shawky, H. Oterkus, E.	6	6603004002 8345890200	2020	02-01	Engineering	English
Power management and optimized control							
of hybrid PV-BESS-grid integrated fast EV	Elsanabary, A. Khairullah, K. Aziz,		57221120034 59557046000		2024-		
charging stations	N.F.A. Mekhilef, S.	4	57221906825 57928298500	2024	06-15	Journal of Energy Storage	English
Artificial neural network based prediction							
of ship speed under operating conditions	Bassam, A.M. Phillips, A.B. Turnock,		56769619600 23009867100		2023-		
for operational optimization	S.R. Wilson, P.A.	4	6603539652 57188866982	2023	06-15	Ocean Engineering	English
			24554608200 55765473200				
Hydrogen-Rich Syngas and Biochar	Sait, H.H. Hussain, A. Bassyouni, M.		57193261423 35399026000				
Production by Non-Catalytic Valorization	Ali, I. Kanthasamy, R. Ayodele, B.V.		56070146400 56862160400		2022-		
of Date Palm Seeds	Elhenawy, Y.	7	57194448020	2022	04-01	Energies	English
Systematic study of optoelectronic and							
thermoelectric properties of new lead-free			57228246400 57217833046				
halide double perovskites A2KGal6(A =	Waqas Mukhtar, M. Ramzan, M. Rashid,		57212141070 11043829500				
Cs, Rb) for solar cell applications via ab-	M. Hussain, A. Naz, G. Oztekin Ciftci,		24169325300 55906861200		2022-		
initio calculations	Y. Dahshan, A. Znaidia, S.	8	6602133954 9249739800	2022	11-01	Materials Science and Engineering: B	English
Prediction and assessment of automated							
lifting system performance for multi-							
storey parking lots powered by solar	Elhenawy, Y. Hafez, G. Abdel-Hamid,		57194448020 6603166380		2020-		
energy	S. Elbany, M.	4	55032292500 57216704068	2020	09-01	Journal of Cleaner Production	English
Modelling the impact of lining and							
covering irrigation canals on underlying	Abd-Elaty, I. Pugliese, L. Bali, K.M.	_	57204242191 55207467600		2022-	l	
groundwater stores in the Nile Delta, Egypt	Grismer, M.E. Eltarabily, M.G.	5	7004096197 7005636657 56990454800	2022	01-01	Hydrological Processes	English
	Zakaria, M. Sharaky, A.M. Al-Sherbini,		57339088400 56676831900				
Water Desalination Using Solar Thermal	AS. Bassyouni, M. Rezakazemi, M.		57202949127 57193261423	0000	2022-	0	e. a.u.
Collectors Enhanced by Nanofluids	Elhenawy, Y.	6	36716882000 57194448020	2022	01-01	Chemical Engineering and Technology	English
A Comparative Review on Single Phase	Kind MELEKANIA ALTA KOL		57203226751 57221120034		0000		
Transformerless Inverter Topologies for	Kibria, M.F. Elsanabary, A. Tey, K.S.	_	55681717400 25930079700	2000	2023-	Farada	Fredish
Grid-Connected Photovoltaic Systems	Mubin, M. Mekhilef, S.	5	57928298500	2023	02-01	Energies	English
Synthesis, characterization, and	Abd El Aol M Modberbel D.T. Uberti		E740E7420441 E72004700401				
photosensitizer applications for dye-	Abd El-Aal, M. Mogharbel, R.T. Ibrahim,		57195713914 57208178810		2022-		
based on ZrO2- acriflavine nanocomposite	A. Almutlaq, N. Sh Zoromba, M. Al- Hossainy, A.F. Ibrahim, S.M.	7	57218682722 57931448800 57324117200 6505746085 9940388100	2022	02-15	Journal of Molocular Structure	English
thin film [ZrO2+ACF]C	Hussany, A.F. Ibidilin, S.M.	/	56158826100 57216317041	2022	02-13	Journal of Molecular Structure	English
			57226004404 59592900300				
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Evaluation of Storage Stability for Biocrude	Liu, G. Du, H. Sailikebuli, X. Meng, Y.		56703819200 57205455570				
Derived from Hydrothermal Liquefaction	Liu, Y. Wang, H. Zhang, J. Wang, B.		59633698700 57044542300		2021-		
of Microalgae	Saad, M.G. Li, J. Wang, W.	11	57196076658	2021	07-01	Energy and Fuels	English
Experimental study of simultaneous effect	oddd,O. El, J. Walle, W.	11	0, 1000, 0000	2021	0, 01	Enoigy and ructs	
of evacuated tube collectors coupled with							
parabolic reflectors on traditional single	Farghaly, M.B. Alahmadi, R.N. Sarhan,		57463330800 57222054717		2023-		
slope solar still efficiency	H.H. Abdelghany, E.S.	4	58099445800 55805729300	2023	09-01	Case Studies in Thermal Engineering	English
Single-stage waste oil conversion into	,	·			12.22		
biodiesel via sonication over bio-based							
bifunctional catalyst: Optimization,	Naeem, M.M. Al-Sakkari, E.G. Boffito,		57194205745 57191276223		l		
preliminary techno-economic and	D.C. Rene, E.R. Gadalla, M.A. Ashour,		57558049200 14523428600		2023-		
environmental analysis	F.H.	6	14048292400 57788821500	2023	06-01	Fuel	English
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Retrofit of heat exchanger networks by							
graphical Pinch Analysis - A case study of	Alhajri, I.H. Gadalla, M.A. Abdelaziz,		36242852100 14048292400		2021-		
a crude oil refinery in Kuwait	O.Y. Ashour, F.H.	4	56725916500 57788821500	2021	08-01	Case Studies in Thermal Engineering	English
Energy and exergy analyses of new cooling							
schemes based on a serpentine							
configuration for a high concentrator	Ahmed, A. Shanks, K. Sundaram, S.		57214309902 56755068800		2021-		
photovoltaic system	Mallick, T.	4	57190937321 6602652097	2021	11-25	Applied Thermal Engineering	English
photovoltale system	Elsakka, M.M. Ingham, D.B. Ma, L.	-	57195454644 35560744900	2021	11 20	Appaca memat Engineering	English
Response Surface Optimisation of Vertical	Pourkashanian, M. Moustafa, G.H.		56727012700 7004225021		2022-		
Axis Wind Turbine at low wind speeds	Elhenawy, Y.	6	6603166380 57194448020	2022	11-01	Energy Reports	English
Numerical hydrodynamics-based design	Ettletlawy, 1.	0	0003100380 37134448020	2022	11-01	Ellergy Reports	Eligusti
of an offshore platform to support a			57217016463 57145634100				
desalination plant and a wind turbine in	Amin, I. Ali, M.E.A. Bayoumi, S. Balah,		56304821100 57222991321		2021-		
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Egypt	A. Oterkus, S. Shawky, H. Oterkus, E.	,	55817858100 6603004002 8345890200	2021	06-01	Ocean Engineering	English
Performance analysis of reinforced epoxy							
functionalized carbon nanotubes	500		574044400001 00004000451				
composites for vertical axis wind turbine	Elhenawy, Y. Fouad, Y. Marouani, H.		57194448020 6603123645		2021-		
blade	Bassyouni, M.	4	24179093600 57193261423	2021	01-01	Polymers	English
Techno-economic multi-objective reactive							
power planning in integrated wind power			57190392842 57558692300		2023-		
system with improving voltage stability	Eladl, A.A. Basha, M.I. ElDesouky, A.A.	3	6507131518	2023	01-01	Electric Power Systems Research	English
Numerical investigation of the indoor							
thermal behaviour based on PCMs in a hot	Ismail, R.M. Megahed, N.A. Eltarabily,		57669807700 55941539500		2022-		
climate	S.	3	57218372332	2022	01-01	Architectural Science Review	English
Recycling of catering waste for sequential							
production of biohydrogen and							
biomethane; pre-treatments, batch, and	Elwakeel, K.Z. Elgarahy, A.M. Alghamdi,		9433357000 57192696143		2023-	Journal of Environmental Chemical	
continuous mode studies	H.M. El-Qelish, M.	4	58170757700 47360967500	2023	10-01	Engineering	English
Photodeposition Conditions of Silver			57200181654 57194692434				
Cocatalyst on Titanium Oxide			59043770800 56688048400				
Photocatalyst Directing Product	Hammad, A. Anzai, A. Zhu, X.		55325536800 24447278100				
Selectivity in Photocatalytic Reduction of	Yamamoto, A. Ootsuki, D. Yoshida, T.		7005992509 57210801492		2020-		
Carbon Dioxide with Water	EL-Shazly, A. Elkady, M. Yoshida, H.	9	55515756200	2020	04-01	Catalysis Letters	English
Combined experimental and TDDFT						,	9
computations for the structural and	Bourezgui, A. Al-Hossainy, A.F. El Azab,		57188561764 6505746085				
optical properties for poly (ortho	I.H. Alresheedi, F. Mahmoud, S.A.		53363409300 57221772393				
phenylene diamine) thin film with different	Bassyouni, M. Abdel-Aziz, M.H.		57793260800 57193261423		2021-	Journal of Materials Science: Materials in	
surfactants	Zoromba, M.S.	8	36463135100 16305817700	2021	03-01	Electronics	English
Conducting polymer thin film for	Abdel-Aziz, M.H. Zwawi, M. Al-		36463135100 56584631800		2021-		
optoelectronic devices applications	Hossainy, A.F. Zoromba, M.S.	4	6505746085 16305817700	2021	06-01	Polymers for Advanced Technologies	English
Optoelectronic and photocatalytic	, , , , , , , , , , , , , , , , , , ,	·				. ,	<u> </u>
properties of GaN, GeS and SiS							
monolayers and their vdW			57219252095 41261303600		2022-	Journal of Physics and Chemistry of	
heterostructures	Abid, A. Haneef, M. Ali, S. Dahshan, A.	4	57188842948 6602133954	2022	02-01	Solids	English
Improvement of the thermal stability and	Zoromba, M.S. Al-Hossainy, A.F.		16305817700 6505746085	2022	02 01	Couds	English
optical properties for poly (ortho	Mahmoud, S.A. Bourezgui, A. Shaaban,		57793260800 57188561764		2020-		
phenylene diamine) using soft templates	E.R.	5	12344915200	2020	12-05	Journal of Molecular Structure	 English
Physical properties of KTaO3 compound	E.M.	3	57719898100 57196391740	2020	12-03	Journal of Piolecular Structure	Luguan
	Sarfraz S I Aldadhfad S A I Butt M V I			1	2022-	Materials Science in Semiconduster	
for optoelectronic and thermoelectric	Sarfraz, S. Aldaghfag, S.A. Butt, M.K.		57215541743 57200302650	2000		Materials Science in Semiconductor	English
applications: A DFT study	Yaseen, M. Zahid, M. Dahshan, A.	6	37082505600 6602133954	2022	09-01	Processing	English
Optimal parameters identification for	Fife- M II I Ferrei M I Com- A C !		57193610159 24780397300	1	0004		
PEMFC using autonomous groups particle	Elfar, M.H. Fawzi, M. Serry, A.S.		57260188300 57195454644		2024-		Levan
swarm optimization algorithm	Elsakka, M. Elgamal, M. Refaat, A.	6	57203775079 57207986070	2024	06-05	International Journal of Hydrogen Energy	English
Polypyrrole/functionalized multi-walled	<u> </u>		56584631800 56009628400				
carbon nanotube composite for	Zwawi, M. Attar, A. Al-Hossainy, A.F.		6505746085 36463135100		2021-		
optoelectronic device application	Abdel-Aziz, M.H. Zoromba, M.S.	5	16305817700	2021	12-01	Chemical Papers	English
			57225909566 57196391740				
			57200302650 57215541743				
	Shakoor, F. Aldaghfag, S.A. Yaseen, M.		57222746403 57212516974				
Physical characteristics of barium based	Butt, M.K. Mubashir, S. Iqbal, J. Zahid,		37082505600 57188968496		2021-		
cubic perovskites	M. Murtaza, A. Dahshan, A.	9	6602133954	2021	09-16	Chemical Physics Letters	English

One-dimensional ternary conducting							
polymers blend with 9.26% power							
conversion efficiency for photovoltaic	Abdel-Aziz, M.H. Maddah, H.A. Sh.		36463135100 57003304600		2023-		
devices applications	Zoromba, M. Al-Hossainy, A.F.	4	57324117200 6505746085	2023	03-01	Alexandria Engineering Journal	English
Experimental and numerical simulation of							
solar membrane distillation and	Elhenawy, Y. Bassyouni, M. Fouad, K.		57194448020 57193261423				
humidification - dehumidification water	Sandid, A.M. Abu-Zeid, M.A.ER.		57217049298 57225008605		2023-		
desalination system	Majozi, T.	6	56435865100 55961235600	2023	10-01	Renewable Energy	English
			57194448020 57217049298				
Yield and energy outputs analysis of	Elhenawy, Y. Fouad, K. Bassyouni, M.		57193261423 57548767000		2024-		
sawdust biomass pyrolysis	Al-Qabandi, O.A. Majozi, T.	5	55961235600	2024	04-01	Energy Conversion and Management: X	English
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Dragonfly-Based Joint Delay/Energy LTE	Nashaat, H. Refaat, O. Zaki, F.W.		41561671500 57500915400	0000	2020-	IEEE Assess	F. W. I
Downlink Scheduling Algorithm	Shaalan, I.E.	4	7006667464 55825704700	2020	01-01	IEEE Access	English
Experimental and multiphase modeling of	, , ,		57204932141 57216442051				
small vertical-axis hydrokinetic turbine	Yosry, A.G. Álvarez, E.Á. Valdés, R.E.		57208819552 57205551351		2023-		
with free-surface variations	Pandal, A. Marigorta, E.B.	5	57226002189	2023	02-01	Renewable Energy	English
			57210594485 57316388700				
A renewable lignin-derived bio-oil for	Umar, Y. Velasco, O. Abdelaziz, O.Y.	.	56725916500 57194698086				
boosting the oxidation stability of	Aboelazayem, O. Gadalla, M.A.	.	14048292400 57095795900		2022-		
biodiesel	Hulteberg, C.P. Saha, B.	7	7202946094	2022	01-01	Renewable Energy	English
Comparison of the Computational Fluid							
Dynamics Predictions of Vertical Axis		,					
	Flooldes M.M. Lingham, D.R. I.Mo. I. I.	.	E710E4E46441 2EE607440001		2021-	International Journal of Danowahla	
Wind Turbine Performance Against	Elsakka, M.M. Ingham, D.B. Ma, L.		57195454644 35560744900	0004		International Journal of Renewable	E. disk
Detailed Pressure Measurements	Pourkashanian, M.	4	56727012700 7004225021	2021	01-01	Energy Research	English
Physical structure, TD-DFT computations,		.					
and optical properties of hybrid		.					
nanocomposite thin film as optoelectronic	Zoromba, M.S. Maddah, H.A. Abdel-	.	16305817700 57003304600		2022-	Journal of Industrial and Engineering	
devices	Aziz, M.H. Al-Hossainy, A.F.	4	36463135100 6505746085	2022	08-25	Chemistry	English
			57982159500 58250220900				
Aqueous Phase from Hydrothermal	Kulikova, Y. Klementev, S. Sirotkin, A.	.	8127073300 35364826700				
Liquefaction: Composition and Toxicity	Mokrushin, I. Bassyouni, M. Elhenawy,	.	57193261423 57194448020		2023-		
Assessment	Y. El-Hadek, M.A. Babich, O.	8	36956146400 55226327700	2023	05-01	Water (Switzerland)	English
Assessment	1. Lift lader, Pl.A. Babiell, O.		56009628400 35301930700	2023	03-01	Water (Switzerland)	Liigusii
Fabrication about the district TD DET	Attack A L Albanthii D D L Zivisii A4 L	.	·				
Fabrication, characterization, TD-DFT,	Attar, A. Alharthy, R.D. Zwawi, M.	.	56584631800 55363754600				
optical and electrical properties of poly	Algarni, M. Albatati, F. Bassyouni, M.	.	57219907293 57193261423				
(aniline-co-para nitroaniline)/ZrO2	Abdel-Aziz, M.H. Zoromba, M.S. Al-		36463135100 16305817700		2022-	Journal of Industrial and Engineering	
composite for solar cell applications	Hossainy, A.F.	9	6505746085	2022	05-25	Chemistry	English
Nickel Oxide Nanoparticles Application for		.					
Enhancing Biogas Production Using							
Cortain Montawater Posterio and Asset							
Certain Wastewater Bacteria and Aquatic	Salama, A.M. Helmy, E.A. Abd El-ghany,		57214234912 55599907500		2021-		
Certain Wastewater Bacteria and Aquatic Macrophytes Biomass	Salama, A.M. Helmy, E.A. Abd El-ghany, T.M. Ganash, M.	4		2021	2021- 04-01	Waste and Biomass Valorization	English
Macrophytes Biomass		4	57214234912 55599907500 59158411000 55350999600	2021		Waste and Biomass Valorization	English
Macrophytes Biomass Relevance of monocrystalline and thin-		4		2021		Waste and Biomass Valorization	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing		4		2021		Waste and Biomass Valorization	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic	T.M. Ganash, M.	4	59158411000 55350999600	2021	04-01	Waste and Biomass Valorization	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S.		59158411000 55350999600 56736588300 57215091733		2022-		
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt	T.M. Ganash, M.	3	59158411000 55350999600	2021	04-01	Waste and Biomass Valorization Alexandria Engineering Journal	English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E.		59158411000 55350999600 56736588300 57215091733 57215093646		2022- 12-01		
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M.	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377	2022	2022- 12-01 2021-	Alexandria Engineering Journal	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E.		59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321		2022- 12-01		
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M.	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377	2022	2022- 12-01 2021-	Alexandria Engineering Journal	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M.	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321	2022	2022- 12-01 2021-	Alexandria Engineering Journal	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M.	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463	2022	2022- 12-01 2021-	Alexandria Engineering Journal	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M.	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194445759 56520325200 35191315100 57194448020	2022	2022- 12-01 2021-	Alexandria Engineering Journal	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Affy, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus,	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 5620325200 35191315100 57194448020 57813082400 55817858100	2022	2022- 12-01 2021- 06-15	Alexandria Engineering Journal Advances in Space Research	English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M.	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194445759 56520325200 35191315100 57194448020	2022	2022- 12-01 2021- 06-15	Alexandria Engineering Journal	English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Affy, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus,	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 5620325200 35191315100 57194448020 57813082400 55817858100	2022	2022- 12-01 2021- 06-15	Alexandria Engineering Journal Advances in Space Research	English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance rejection controller for maximum	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Affy, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus,	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 5620325200 35191315100 57194448020 57813082400 55817858100	2022	2022- 12-01 2021- 06-15 2023- 07-01	Alexandria Engineering Journal Advances in Space Research Ocean Engineering	English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Affy, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus, S. Oterkus, E.	3 4 9	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 56520325200 35191315100 57194448020 57813082400 55817858100 8345890200	2022	2022- 12-01 2021- 06-15 2023- 07-01	Alexandria Engineering Journal Advances in Space Research Ocean Engineering International Transactions on Electrical	English English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus, S. Oterkus, E.	3	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 56520325200 35191315100 57194448020 57813082400 55817858100 8345890200 57260188300 56390843900	2022	2022- 12-01 2021- 06-15 2023- 07-01	Alexandria Engineering Journal Advances in Space Research Ocean Engineering	English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus, S. Oterkus, E. Sobhy, A. Lei, D. Ibrahim, A. El-Kenawy, ES.M. Eid,	3 4 9	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 56520325200 35191315100 57194448020 57813082400 55817858100 8345890200 57260188300 56390843900 34876676400 57191347112	2022	2022- 12-01 2021- 06-15 2023- 07-01	Alexandria Engineering Journal Advances in Space Research Ocean Engineering International Transactions on Electrical	English English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus, S. Oterkus, E.	3 4 9	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 56520325200 35191315100 57194448020 57813082400 55817858100 8345890200 57260188300 56390843900	2022	2022- 12-01 2021- 06-15 2023- 07-01	Alexandria Engineering Journal Advances in Space Research Ocean Engineering International Transactions on Electrical	English English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines A Recommendation System for Electric	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus, S. Oterkus, E. Sobhy, A. Lei, D. Ibrahim, A. El-Kenawy, ES.M. Eid,	3 4 9	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 56520325200 35191315100 57194448020 57813082400 55817858100 8345890200 57260188300 56390843900 34876676400 57191347112	2022	2022- 12-01 2021- 06-15 2023- 07-01	Alexandria Engineering Journal Advances in Space Research Ocean Engineering International Transactions on Electrical	English English English
Macrophytes Biomass Relevance of monocrystalline and thin- film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines A Recommendation System for Electric Vehicles Users Based on Restricted	T.M. Ganash, M. Badawy, N.M. Hosam Salah, E.S. Waseef, A.A.E. Afify, M.S. Elkamash, I.S. Shihab, M. Moslem, W.M. Bassam, A.M. Amin, I. Mohamed, A. Elminshawy, N.A.S. Soliman, H.Y.M. Elhenawy, Y. Premchander, A. Oterkus, S. Oterkus, E. Sobhy, A. Lei, D. Ibrahim, A. El-Kenawy, ES.M. Eid, M.M. Abdelhamid, A.A. El-Said, M.	3 4 9	59158411000 55350999600 56736588300 57215091733 57215093646 47460907000 57191904377 55194380400 6602434321 56769619600 57217016463 57194436759 56520325200 35191315100 57194448020 57813082400 55817858100 8345890200 57260188300 56390843900 34876676400 57191347112 35795379100 55328560100	2022	2022- 12-01 2021- 06-15 2023- 07-01 2021- 11-01	Alexandria Engineering Journal Advances in Space Research Ocean Engineering International Transactions on Electrical	English English English

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Experimental investigation of two novel	Elhenawy, Y. Moustafa, G.H. Abdel-		57194448020 6603166380				
arrangements of air gap membrane	Hamid, S.M.S. Bassyouni, M. Elsakka,		55032292500 57193261423		2022-		
distillation module with heat recovery	M.M.	5	57195454644	2022	11-01	Energy Reports	English
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System Based on Modified Perturbation	Osman, M.H. Ahmed, M.K. Refaat, A.		57192296057 57216122067		2021-	Electrical and Electronic Engineering,	
Observation Method	Korovkin, N.V.	4	57207986070 6601971248	2021	01-26	ElConRus 2021	English
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energy system: Photovoltaic-biogas- hydro-battery system in rural areas of	Mukhtar, S. Muhammad, S. Alyousef, H.A. Khan, W. Shah, R. El-Tantawy,		26635595600 57200603264 57209651907 59250298600		2024-		
Pakistan	S.A.	6	57206692659 36056062500	2024	08-30	Heliyon	English
Toward Enhancing the Energy Efficiency	J.A.	0	37200032033 30030002300	2024	00-30	riedyon	Liigusii
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Data Centers	Elsedimy, E.I. Algarni, F.	2	57195491716 55339318200	2021	01-01	Soft Computing	English
Development and implementation of two-							_
stage boost converter for single-phase							
inverter without transformer for PV	Elnaghi, B.E. Dessouki, M.E. Abd-		57189245011 55444215800		2020-	International Journal of Electrical and	
systems	Alwahab, M.N. Elkholy, E.E.	4	57211601082 36479761600	2020	01-01	Computer Engineering	English
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	El Azab, I.H. Gobouri, A.A. Altalhi, T.A.		37066948100 8320599000				
Conthesis sharestaireties DELIDDEL	El-Sheshtawy, H.S. Almutlaq, N.		57931448800 57003304600				
Synthesis, characterization, DFT-TDDFT calculations and optical properties of a	Maddah, H.A. Zoromba, M.S. Abdel-		16305817700 36463135100 57193261423 57218682722				
novel pyrazole-1,2,3-triazole hybrid thin	Aziz, M.H. Bassyouni, M. Ibrahim, A. Alanazy, A. Alresheedi, B.A. Al-		57204050453 57262765900		2021-		
film	Hossainy, A.F.	13	6505746085	2021	12-01	Optik	English
Heuristic Approach for Net-Zero Energy	11033dilly,741.	10	0000740000	2021	12 01	Орик	English
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Dual Renewable Energy Sources	Ismaeil, E.M.H. Sobaih, A.E.E.	2	57732309400 43762250600	2023	03-01	Buildings	English
Correction to: Hydrogen production,			·			_	
storage, utilisation and environmental			55362658600 57188922811				
impacts: a review (Environmental	Osman, A.I. Mehta, N. Elgarahy, A.M.		57192696143 56037605200				
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Aspen Plus simulation of a low capacity	ismaeit, E.P.M. Sobam, A.E.E.		36675678700 14048292400	2022	10-01	Duituings	Liigusii
organic Rankine cycle heated by solar	Shalaby, S.M. Gadalla, M.A. El Sayed,		45861046500 57360391100		2022-		
energy	A.R. Meliha, E.M. Abosheiasha, H.F.	5	13205226100	2022	04-01	Energy Reports	English
New analytical assessment for fast and			* *				Ĭ
complete pre-fault restoration of grid-							
connected FSWTs with fuzzy-logic pitch-	Salem, A.A. ElDesouky, A.A. Alaboudy,		57225394173 6507131518		2022-	International Journal of Electrical Power	
angle controller	A.H.K.	3	36625764500	2022	03-01	and Energy Systems	English
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lonospheric losses of Venus in the solar	Salem, S. Moslem, W.M. Lazar, M.		56221036100 55908851100		2020-	l	
wind	Sabry, R. Tolba, R.E. Schlickeiser, R.	6	56613068600 8915449200	2020	01-01	Advances in Space Research	English
Multi-functional core-shell pomegranate							
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performance of a silicon solar cell for an			57214309902 57209834292				
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system	Sundaram, S. Mallick, T.K.	5	6602652097	2020	10-15	Materials Letters	English

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Trajectory optimization for UAV-assisted	Abote the OMMINE DAY		574000005501000404054001		0000	E	
relay over 5G networks based on	Abohashish, S.M.M. Rizk, R.Y.		57189038559 26649135100		2023-	Eurasip Journal on Wireless	E. W.A.
reinforcement learning framework	Elsedimy, E.I.	3	57195491716	2023	12-01	Communications and Networking	English
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under partial shading conditions	Binti Kamil, K. Mekhilef, S.	6	59012578300 57928298500	2024	10-01	Ain Shams Engineering Journal	English
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Potential application of solar still	M. Aljohani, Z. Asiri, A. Saber, M.	7	58897130900 57197643801	2004	2024-	A 15 . 434/-1 O	E. alia
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Implementation of boolean PSO for							
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(3E) analysis of a CSA algorithm optimized			F0F0000F0001 F70 4F 40 4F001				
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validation	Elbaksawi, O. Arıcı, M. Naeim, N.	5	57216907821	2024	02-01	Elements	English
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Formation and a section and according	Elhenawy, Y. Fouad, K. Mansi, A.		57427621200 57193261423		0004	In the second of The second Association and	
Experimental analysis and numerical	Bassyouni, M. Gadalla, M. Ashour, F.	_	14048292400 57788821500	2004	2024-	Journal of Thermal Analysis and	E. W.A.
simulation of biomass pyrolysis	Majozi, T.	7	55961235600	2024	10-01	Calorimetry	English
The potential of optimized floating	Floring NACIAN COLOR		56520325200 57214309902		0004	F. 2 2 4 4 2 20. B 4	
photovoltaic system for energy production	Elminshawy, N.A.S. Ahmed, A. Osama,	_	57345484500 6506626745	2004	2024-	Engineering Analysis with Boundary	E. W.
in the Northern Lakes of Egypt	A. Kabeel, A.E. Elbaksawi, O.	5	57194940295	2024	04-01	Elements	English
Combined experimental and theoretical							
study, characterization, and nonlinear	l						
optical properties of doped-poly (p-	Almutlaq, N. Al-Hossainy, A.F.		57931448800 6505746085		2021-		
nitroaniline -co- o-aminophenol) thin films	Zoromba, M.S.	3	16305817700	2021	03-05	Journal of Molecular Structure	English
An examination of hub wind turbine	V V-F 0 Ab delle A O		57405454000150450000001		0000		
utilizing fluid-structure interaction	Yassen, Y.E.S. Abdelhameed, A.S.	_	57195454300 59158869600		2023-	l <u>.</u>	
strategy	Elshorbagy, K.A.	3	6602886849	2023	02-01	Alexandria Engineering Journal	English
Facile synthesis of single-crystal of o-			16305817700 6505746085				
phenylene diamine dihydrochloride as a	Zoromba, M.S. Al-Hossainy, A.F.		7003985723 57858047400				
polychloride and fabrication of high-	Rzaigui, M. Abdelkader, A. Alresheedi,	_	57221772393 53363409300		2021-		
performance semiconductor thin film	F. El Azab, I.H. Eissa, F.M.	7	8285399800	2021	02-01	Optical Materials	English
Green retrofitting of heritage buildings							
based on (3Ts) framework: An applied	Shehata, A.O. Hassan, A.M. Shahda,	.	57882214000 57214328061		2024-		
case study	M.M. Megahed, N.A.	4	57204561477 55941539500	2024	08-01	Frontiers of Architectural Research	English
Experimental validation of a low-cost							
maximum power point tracking technique			57188975908 59208287200				
based on artificial neural network for	Abouzeid, A.F. Eleraky, H. Kalas, A.	_	6602469009 26649135100		2024-	Octobrillo December	l es asse
photovoltaic systems	Rizk, R. Elsakka, M.M. Refaat, A.	6	57195454644 57207986070	2024	12-01	Scientific Reports	English
Comprehensive Review of Renewable			57419485300 57213424838				
Energy Communication Modeling for	Ugwu, J. Odo, K.C. Ohanu, C.P.		57331434800 55664321200		2023-		
Smart Systems	García, J. Georgious, R.	5	57188821287	2023	01-01	Energies	English
Innovative metaheuristic algorithm with	Elbaksawi, O. Elminshawy, N.A.S. Diab,		57194940295 56520325200			l	
comparative analysis of MPPT for 5.5 kW	S. Eltamaly, A.M. Mahmoud, A.		58822717100 6507950667		2024-	Process Safety and Environmental	
floating photovoltaic system	Elhadidy, H.	6	58962059400 55964551000	2024	05-01	Protection	English
Acid-hydrolysed furfural production from							
rice straw bio-waste: Process synthesis,			57515968100 14048292400		2021-	South African Journal of Chemical	
simulation, and optimisation	Sherif, N. Gadalla, M. Kamel, D.	3	55902257200	2021	10-01	Engineering	English
Holistic design of energy-efficient							
temporary houses: Meeting ventilation,					2024-		
heating, cooling, and lighting demands	Noaman, D.S. El-Ghafour, S.A.	2	57173181300 35324439700	2024	06-01	Journal of Building Engineering	English
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Electrical and thermoelectrical properties	Adam, A.M. Diab, A.K. El-Hadek, M.A.		36956146400 57780900700		2022-		
of Bi2-xNaxTe3 alloys	Sayed, A.O. Ibrahim, E.M.M.	5	34975087700	2022	11-05	Journal of Alloys and Compounds	English

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Solar Chimney Performance Driven Air					2023-		
Ventilation Promotion: An Investigation of Various Configuration Parameters	Hassan, A.M.	1	5.72E+	10 2023	11-01	Buildings	English
A Novel Circuit Configuration for the	ndssdii, A.M.	1	5.72E*	10 2023	11-01	Buildings	Eliglisii
Integration of Modular Multilevel							
Converter With Large-Scale Grid-	Elsanabary, A. Mekhilef, S.		57221120034 57928298500		2024-		
Connected PV Systems	Seyedmahmoudian, M. Stojcevski, A.	4	55575761400 55884935900	2024		IEEE Transactions on Energy Conversion	English
High-performance 2D/3D hybrid	Seyeumanmoudian, Pr. Stojcevski, A.	- 4	33373701400 33884933900	2024	03-01	ILLE Hansactions on Energy Conversion	Liigusii
dimensional p-n heterojunction solar cell			6603894858 57200106539				
with reduced recombination rate by an	Hegazy, H.H. Afzal, A.M. Dahshan, A.		6602133954 57210908320		2022-		
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for PMSG in Wind Energy Systems	M.H.	3	57193610159	2022	01-01	Energy Research	English
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Electrical, dielectric, I-V and antimicrobial	Aslam, A. Ali, M.D. Aftab, Z.E.H.		57219098789 57699433100				
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Optical losses and durability of flawed			57209834292 57214309902		11.11		
Fresnel lenses for concentrated	Alzahrani, M. Ahmed, A. Shanks, K.		56755068800 57190937321		2020-		
photovoltaic application	Sundaram, S. Mallick, T.	5	6602652097	2020	09-15	Materials Letters	English
Thermal annealing effect on the structural							Ŭ '
and optical characteristics of silicon	El- Mallah, H.M. Abd- El Salam, M.		9636885600 57627558900		2020-		
phthalocyanine dichloride thin films	ELesh, E. El- Damhogi, D.G.	4	37053581400 57193408017	2020	01-01	Optik	English
A retrofitting framework for improving			·			·	
curtain wall performance by the	Tolba, L.E. El Mokadem, A.A. Badawy,		58691984700 57204557935		2023-		
integration of adaptive technologies	N. Shahda, M.M.	4	56736588300 57204561477	2023	12-01	Journal of Building Engineering	English
Optical component analysis for ultrahigh			57209834292 57214309902				
concentrated photovoltaic system	Alzahrani, M. Ahmed, A. Shanks, K.		56755068800 57190937321		2021-		
(UHCPV)	Sundaram, S. Mallick, T.	5	6602652097	2021	10-01	Solar Energy	English
Highly Efficient MPP Tracker Based on							
Adaptive Neuro-fuzzy Inference System for			57192296057 57763036800				
Stand-Alone Photovoltaic Generator	Osman, M.H. Seify, M.A.E. Ahmed,		57216122067 6601971248		2022-	International Journal of Renewable	
System	M.K. Korovkin, N.V. Refaat, A.	5	57207986070	2022	01-01	Energy Research	English
Internal Power Balancing of an MMC-							
Based Large-Scale PV System Under	Elsanabary, A. Mekhilef, S. Fadilah Ab		57221120034 57928298500		2024-	IEEE Journal of Emerging and Selected	
Unbalanced Voltage Sags	Aziz, N.	3	57221906825	2024	01-01	Topics in Power Electronics	English
Effect of (SbS) addition on the physical							
properties of quaternary (CdTe)100-							
$x(SbS)x (0 \le x \le 28 \text{ at. } \%) \text{ glasses and band}$	Boukhris, I. Kebaili, I. Neffati, R.		22940331700 37107670200		2020-	Applied Physics A: Materials Science and	
gap engineering	Dahshan, A.	4	6507263184 6602133954	2020	07-01	Processing	English
						Proceedings of the 6th European	
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Effects of turbulence modelling on the						Mechanics: Solids, Structures and	
predictions of the pressure distribution	Fleshin MM Hashari S.S. W. J.		E740E4E40441 0EE007440001		0000	Coupled Problems, ECCM 2018 and 7th	
around the wing of a small scale vertical	Elsakka, M.M. Ingham, D.B. Ma, L.		57195454644 35560744900	2000	2020-	European Conference on Computational	Fordish
axis wind turbine	Pourkashanian, M.	4	56727012700 7004225021	2020	01-01	Fluid Dynamics, ECFD 2018	English
Alloyed Ag2SexS1-x quantum dots with			E00E 40E 4000 CC004 000E 41				
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dopant content for energy harvesting	Chand, S. Dahshan, A. Thakur, N. Sharma, V. Sharma, P.	5	7006697299 54379476800 35476163500	2020	03-01	Infrared Physics and Tochnology	English
applications	onanna, v. onanna, r.	э	58704056800 56979242700	2020	03-01	Infrared Physics and Technology	English
A reduced vector model predictive	Pohhoukha A I Choucib I I Manageria						
A reduced vector model predictive controller for a three-level neutral point	Bebboukha, A. Chouaib, L. Meneceur, R. Elsanabary, A. Anees, M.A.		57215496057 57221120034 59454629900 57928298500				
clamped inverter with common-mode	Mekhilef, S. Zaitsev, I. Bajaj, M.		55606990800 57189048184		2024-		
voltage suppression	Bereznychenko, V.	9	57207913770	2024	12-01	Scientific Reports	English
Hybrid Floating Power Station driven by	Bereznyelleliko, v.	3	0/20/010//0	2024	12-01	2nd International Conference on	English
Renewable Energy for Saudi Arabia					2020-	Electrical, Communication and	
Coastal Areas	Eshra, N.M. Amin, I.	2	36875832900 57217016463	2020	06-01	Computer Engineering, ICECCE 2020	English
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Decent Advances in Floating Photovoltain	Ahmad A Flackka M Elminahaus N		57214309902 57195454644 56520325200 57194436759		2023-		
Recent Advances in Floating Photovoltaic Systems	Ahmed, A. Elsakka, M. Elminshawy, N. Mohamed, A. Sundaram, S.	5	57190937321	2023	12-01	Chemical Record	English
Fabrication, carrier transport mechanisms	Monanieu, A. Sundarani, S.	5	5/19093/321	2023	12-01	Chemical Record	Eligusii
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and photovoltaic properties of Au/silicon	El-Damhogi, D.G. El-Mallah, H.M. el-		57193408017 9636885600		2020-		
phthalocyanine dichloride/p-Si/Al heterojunction device	Salam, M.A. Elesh, E.	4	57193406017 9636663600 57192115177 37053581400	2020	10-01	Optical and Quantum Electronics	English
Physical properties and DFT calculations	Saldili, M.A. Elesli, E.	4	5/1921151// 3/053561400	2020	10-01	Optical and Quantum Electronics	Eligusii
of the hybrid organic polymeric	Managur H Abd El Halium E M E		E7222E4E2071 027E4062001				
nanocomposite thin film [P(An+o- Aph)+Glycine/TiO2/]HNC with 7.42%	Mansour, H. Abd El.Halium, E.M.F. Alrasheedi, N.F.H. Zoromba, M.S. Al-		57222545387 9275496200 57418411000 16305817700		2022-		
power conversion efficiency	Hossainy, A.F.	5	6505746085	2022	08-15	Journal of Molecular Structure	English
Simulation of glass fiber reinforced	HUSSAIIIY, A.F.	5	6303746063	2022	06-13	Journal of Molecular Structure	Eligusii
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wind turbine blades	Bassyouni, M.	4	24179093600 57193261423	2021	04-01	Processes	English
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Fabrication, characterization and optical properties of poly(p-phenylenediamine-							
co-o-aminophenol) nanostructure thin					2021-	Applied Physics A: Materials Coiones and	
film	Al-Hossainy, A.F. Zoromba, M.S.	2	6505746085 16305817700	2021	04-01	Applied Physics A: Materials Science and Processing	English
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Performance Enhancement of Solar Still Unit Using v-Corrugated Basin, Internal	Abu Zoid M A R I Elbonowy V I		55963977100 57194448020				
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Collector and Nationalds	At-Qabanui, O.A. Kislik, S.S.		57700837200 57193860183	2024	01-01	Sustainability (Switzertanu)	Eligiisii
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Surface modification of Co3O4	Laghari, A.J. Aftab, U. Shah, A.A.		39360945500 56646502000				
nanostructures using wide range of	Solangi, M.Y. Abro, M.I. Al-Saeedi, S.I.		57216907821 14622777700				
natural compounds from rotten apple	Naeim, N. Nafady, A. Vigolo, B. Emo,		6603195854 55578810800				
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Experimental study on the motion	2.11.	10	57217016463 56849824000	2020	00 12	international Journal of Tryarogen Energy	Liigiion
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Wind-water experimental analysis of	Gharib-Yosry, A. Blanco-Marigorta, E.		57204932141 57189341741	2021	00 10	Occur Engineering	English
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Trailblazing the utilization of Anadara							
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A study of 2H and 1T phases of Janus		_			****		
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Fabrication and characterization of	Attar, A. Alharthy, R.D. Zwawi, M.		56584631800 55363754600				
polypyrrole/multi-walled carbon	Algarni, M. Albatati, F. Bassyouni, M.		57219907293 57193261423				
nanotubes thin films using thermal	Abdel-Aziz, M.H. Zoromba, M.S. Al-		36463135100 16305817700		2021-		
evaporation	Hossainy, A.F.	9	6505746085	2021	11-01	Polymers	English
Optoelectronic and photo response	,						
performance of n-tris phenylpyridinato			57193408017 54888515300				
iridium/p-Si heterojunction device for	El-Damhogi, D.G. El-Shabaan, M.M.		58037922300 59505947400		2023-		
photovoltaic applications	Abul-Nasr, K.T. Mohamed, Z. Elesh, E.	5	37053581400	2023	10-01	Chinese Journal of Physics	English
Study the Effect of Winglet Height Length	Abdelghany, E.S. Sarhan, H.H.		55805729300 58099445800		2023-	Í	
on the Aerodynamic Performance of	Alahmadi, R. Farghaly, M.B.	4	57222054717 57463330800	2023	07-01	Energies	English
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Horizontal Axis Wind Turbines Using Computational Investigation							
Maximum Power Extraction from Polymer Electrolyte Membrane (PEM) Fuel Cell Based on Deterministic Particle Swarm Optimization Algorithm	Elbaz, A. Elfar, M.H. Kalas, A. Refaat, A.	4	57668987700 57193610159 6602469009 57207986070	2022	2022- 01-01	Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022	English
Design and synthesis of high-performance	Hosny, M.M. Abdel-Aziz, M.H. Zoromba,		7004169772 36463135100	İ	2024-	Journal of Materials Research and	
polymer blend solar cell	M.S. Al-Hossainy, A.F.	4	16305817700 6505746085	2024	01-01	Technology	English
A simulation study of the effect of post- combustion amine-based carbon- capturing integrated with solar thermal collectors for combined cycle gas power			58112306300 36154476000		2021-		
plant	Ayyad, A. Abbas, A. Elminshawy, N.	3	56520325200	2021	12-01	Discover Sustainability	English
Synthesis, structural and optical characterizations of ZrO2-bromothymol blue nanocomposite thin-film	Mogharbel, R.T. Al-Hossainy, A.F.		57208178810 59499324900 57218682722 57195713914				
[ZrO2+BTB]C and its application:	Ibrahim, A. El-Aal, M.A. Zoromba, M.S.		16305817700 9940388100	0000	2022-	Journal of Materials Science: Materials in	Facility
experimental and TDD-DFT computations	Ibrahim, S.M. Yahia, A. Farhan, N.	8	57695410700 58955979000	2022	09-01	Electronics Proceedings of the 2022 Conference of	English
Two Bio-inspired MPPT Algorithms to Harvest the Maximum Power from Partially Shaded PV Arrays	Khalifa, AE. Refaat, A. Kalas, A. Elfar, M.H.	4	57667659200 57207986070 6602469009 57193610159	2022	2022- 01-01	Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022	English
Forecasting wind power based on an improved al-Biruni Earth radius metaheuristic optimization algorithm	Saeed, M.A. Ibrahim, A. El-Kenawy, E S.M. Abdelhamid, A.A. El-Said, M. Abualigah, L. Alharbi, A.H. Khafaga, D.S. Elbaksawi, O.	9	57200638059 34876676400 57191347112 55328560100 57222167832 57190984712 57695465800 58088844800 57194940295	2023	2023- 01-01	Frontiers in Energy Research	English
Forecasting Methods in Various Applications Using Algorithm of Estimation Regression Models and Converting Data Sets into Markov Model	El Genidy, M.M. Beheary, M.S.	2	55198913900 6504203919	2022	2022- 01-01	Complexity	English
Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method	Mohamed, M. Sherif, N. Aboelazayem, O. Elazab, H.A. Gadalla, M. Saha, B.	6	57220667150 57515968100 57194698086 57197864132 14048292400 7202946094	2022	2022- 01-01	Journal of Physics: Conference Series	English
Experimental investigation of a nano coating efficiency for dust mitigation on photovoltaic panels in harsh climatic conditions	Ahmed, A. Elsakka, M. Elhenawy, Y. Amer, A. Mansi, A. Bassyouni, M. Gadalla, M. Refaat, A.	8	57214309902 57195454644 57194448020 57212308249 57427621200 57193261423 14048292400 57207986070	2024	2024- 12-01	Scientific Reports	English
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	Galal, A. Elgarahy, A.M. Haroun, B. Safwat, S.M. El-Qelish, M. Fahmi, A.A.	6	57223922085 57192696143 57211779252 57201744137 47360967500 57210659210	2024	2024- 10-01	Chemical Engineering Research and Design	English
Probabilistic Assessment of Available Transfer Capability Incorporating Load and Wind Power Uncertainties	Reyad, H.W. Elfar, M. El-Araby, E.E.	3	58195957300 57193610159 57208914011	2023	2023- 01-01	IEEE Access	English
Elastic moduli and theoretical estimations of physical properties of Ge3Se7–As2Te3	El-Denglawey, A. Dahshan, A. Aly, K.A. Saddeek, Y.B.	4	57193526449 6602133954 13006429400 6603305023	2021	2021- 11-01	Current Applied Physics	English
Furosemide drug as a corrosion inhibitor	Abd El Maksoud, S. Fouda, A.E.A.	-	57217865712 59133336000		2024-		, i
for carbon steel in 1.0 M hydrochloric acid	Badawy, H.	3	58645214600	2024	12-01	Scientific Reports	English
Combined experimental and TDDFT computational studies of the optical and	Managur H Abd El Halling E M E		E7999E4E9B7 097E49999				
electrical characteristic of luminol films- doped TiO2 with 9.027% power conversion efficiency	Mansour, H. Abd El. Halium, E.M.F. Alrasheedi, N.F.H. Zoromba, M.S. Al- Hossainy, A.F.	5	57222545387 9275496200 57418411000 16305817700 6505746085	2022	2022- 03-01	Journal of Materials Science: Materials in Electronics	English
Improving Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration	Elmetwaly, A.H. Eldesouky, A.A. Fekry, H.M. Younis, R.A. Barnawi, A.B. Elbarbary, Z.M.S. Salem, A.A.	7	57216260215 6507131518 24449223000 57216768571 57222374001 57193766822 57225394173	2023	2023- 01-01	IEEE Access	English
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desalination applications	H.A.	3	57197864132	2023	12-01	Environmental Engineering	English
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Reverse osmosis floating desalination	Torky, R. Oterkus, S. Shawky, H.		57217016463 57224890987		2021-		
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axis wind turbine driven RO desalination	Notes in KM 111 of the LEGISTRE		57193703105 59320432300					
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Mechanical properties and band gap	FI Danslavia A I Dahahan A I Aki K A I		E7400F004401 00004000F41			2021-		
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Series Analysis	E.E.	3	57208914011		2023	03-01	Energy Research	English
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of liner alkyl-benzene sulfonate water contaminations	Hassan, M.ED.R. Barakat, M.E.S. Yosef, E.H.E.	3	5/216/64024 5863/519100 58639808500		2024	02-01	Science and Technology	English
Contallillations	10361, E.H.E.	3	57195454644 57207986070		2024	02-01	ocience and recimology	Liigusii
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Techno-economic assessment of a novel	Elsakka, M.M. Refaat, A. Alzahrani,		56727012700 57194448020					
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efficiency based on poly(para-	Alturki, A.A. Alharbi, A.F. Zoromba,		16305817700 36463135100			2023-		
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Energy Power Supply for Ship's Emissions	Makram, M. Bassam, A.M. Tawfik, A.A.		59143626000 56769619600			2024-	Journal of Marine Science and	
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Rejection Control	Sobhy, A. Lei, D. Abo-Khalil, A.G.	3	12767147300		2022	01-01	2022	English
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turbines through the use of an obstacle on	V.M. Gharib-Yosry, A. Fernández-	_	57204932141 57216433417		2022	2022-	Occan Engineering	English
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PVSails: Harnessing Innovation With	Tina, G. Osama, A. Cazzaniga, R. Cicu,		55491118600 57194455833				
Vertical Bifacial PV Modules in Floating	M. Hancock, J. Howlin, E. Rosa-Clot,		59276556100 59277673400		2024-	Progress in Photovoltaics: Research and	
Photovoltaic Systems	M. Rosa-Clot, P.	8	6603474315 35783660600	2024	12-01	Applications	English
Experimental and Simulation Study of							
Solar-Powered Air-Gap Membrane	Abu-Zeid, M.AR. Bassyouni, M. Fouad,		56435865100 57193261423				
Distillation Technology for Water	Y. Monica, T. Sandid, A.M. Elhenawy,		6603123645 55963977100		2023-		
Desalination	Y	6	57225008605 57194448020	2023	10-01	Membranes	English
A Centralized Protection Scheme for						2022 23rd International Middle East	
Microgrids with Artificial Neural Network-	Kabeel, M.A. Eladany, M.M. Eldesouky,		57193604189 57202393066		2022-	Power Systems Conference, MEPCON	
Based on Fault Detection and Location	A.A.	3	6507131518	2022	01-01	2022	English
Critical Assessment of Current State of							
the Art in Wearable Sensor Nodes with							
Energy Harvesting Systems for Healthcare	Alattar, A.E. Elkaseer, A. Scholz, S.		57968044000 54786368200		2023-		
Applications	Mohsen, S.	4	35200000400 57216800452	2023	01-01	Lecture Notes in Networks and Systems	English
A Comparative Study of Two Metaheuristic							
MPPT Techniques to Extract Maximum							
Power from PV Array under Different	Refaat, A. Kalas, A. Khalifa, AE. Elfar,		57207986070 6602469009		2023-	IEEE Conference on Power Electronics	
Partial Shading Patterns	M.H.	4	57667659200 57193610159	2023	01-01	and Renewable Energy, CPERE 2023	English
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Vsc-hvdc control system	Ibrahim, N.F. Dessouky, S.S.	2	57207775477 8318327400	2021	01-01	Power Systems	English
VSC-IIVUC COIIII OI SYSTEIII	ibiailiii, N.F. Dessouky, S.S.	2	3/20///34// 631632/400	2021	01-01		Eligiisii
Francis and Ditable Angle Controlled for					0004	Proceedings of 2021 31st Australasian	
Fuzzy Logic-Pitch Angle Controller for	0.1		57005004470405404540	0004	2021-	Universities Power Engineering	E. Will
SCIG based Wind Turbine	Salem, A.A. Eldesouky, A.A.	2	57225394173 6507131518	2021	01-01	Conference, AUPEC 2021	English
An Integrated Approach for Demand	FIX. II. OA I B I AA I FIA		504704400001000000040001		0000	Later of the second of Bernand of	
Response and Wind Curtailment	El-Kashty, O.A. Daoud, A.A. El-Araby,		58170142000 36886391800		2023-	International Journal of Renewable	
Management in Distribution Systems	E.E.	3	57208914011	2023	06-01	Energy Research	English
Aeroelastic modelling of tail fins for small					2022-		
wind turbines	Hammam, M.M. Wood, D.H.	2	57189731134 7404400936	2022	06-02	Journal of Physics: Conference Series	English
DFT Study of Lead-Free Mixed-Halide			57212337148 56651994700				
Materials Cs2X2Y2 (X, Y = F, Cl, Br, I) for	Ahmed, H. Ilyas, S.Z. Jalil, A.		57200511932 55142324900		2021-		
Optoelectronic Applications	Agathopoulos, S. Dahshan, A.	5	6602133954	2021	10-01	Journal of Electronic Materials	English
Hybrid MPPT-based predictive speed							
control model for variable speed PMSG			58344328900 36886391800		2022-	International Journal of Applied Power	
		3	57193610159	2022	09-01	Engineering	English
wind energy conversion systems	Hashish, M.N.A. Daoud, A.A. Elfar, M.H.	<u> </u>					
wind energy conversion systems Production and characterization of bio-oil	Hashish, M.N.A. Daoud, A.A. Elfar, M.H.	3	57216211196 58519969700				
	Hashish, M.N.A. Daoud, A.A. Elfar, M.H. Aboelela, D. Saleh, H. Attia, A.M.	3	57216211196 58519969700 55396230100 57194448020		2024-	Journal of Thermal Analysis and	
Production and characterization of bio-oil		6		2024	2024- 10-01	Journal of Thermal Analysis and Calorimetry	English
Production and characterization of bio-oil from camelthorn plant using slow	Aboelela, D. Saleh, H. Attia, A.M.		55396230100 57194448020	2024	1		English
Production and characterization of bio-oil from camelthorn plant using slow pyrolysis	Aboelela, D. Saleh, H. Attia, A.M. Elhenawy, Y. Majozi, T. Bassyouni, M.		55396230100 57194448020	2024	1		English
Production and characterization of bio-oil from camelthorn plant using slow pyrolysis Performance Assessment of Artificial	Aboelela, D. Saleh, H. Attia, A.M.		55396230100 57194448020 55961235600 57193261423	2024	10-01	Calorimetry	English English
Production and characterization of bio-oil from camelthorn plant using slow pyrolysis Performance Assessment of Artificial Neural Networks-Based MPPT Technique for Photovoltaic Systems	Aboelela, D. Saleh, H. Attia, A.M. Elhenawy, Y. Majozi, T. Bassyouni, M. Eleraky, H.G. Refaat, A. Kalas, A.	6	55396230100 57194448020 55961235600 57193261423 59208287200 57207986070		10-01 2024-	Calorimetry ICEENG 2024 - 14th IEEE International	
Production and characterization of bio-oil from camelthorn plant using slow pyrolysis Performance Assessment of Artificial Neural Networks-Based MPPT Technique for Photovoltaic Systems Optimal Energy Management of VPP-	Aboelela, D. Saleh, H. Attia, A.M. Elhenawy, Y. Majozi, T. Bassyouni, M. Eleraky, H.G. Refaat, A. Kalas, A.	6	55396230100 57194448020 55961235600 57193261423 59208287200 57207986070		10-01 2024-	Calorimetry ICEENG 2024 - 14th IEEE International Conference on Electrical Engineering	
Production and characterization of bio-oil from camelthorn plant using slow pyrolysis Performance Assessment of Artificial Neural Networks-Based MPPT Technique for Photovoltaic Systems Optimal Energy Management of VPP-Based Energy Storage Considering	Aboelela, D. Saleh, H. Attia, A.M. Elhenawy, Y. Majozi, T. Bassyouni, M. Eleraky, H.G. Refaat, A. Kalas, A. Abouzeid, A.F.	6	55396230100 57194448020 55961235600 57193261423 59208287200 57207986070 6602469009 57188975908		10-01 2024- 01-01	Calorimetry ICEENG 2024 - 14th IEEE International Conference on Electrical Engineering Proceedings of the International Middle	
Production and characterization of bio-oil from camelthorn plant using slow pyrolysis Performance Assessment of Artificial Neural Networks-Based MPPT Technique for Photovoltaic Systems Optimal Energy Management of VPP-	Aboelela, D. Saleh, H. Attia, A.M. Elhenawy, Y. Majozi, T. Bassyouni, M. Eleraky, H.G. Refaat, A. Kalas, A.	6	55396230100 57194448020 55961235600 57193261423 59208287200 57207986070		10-01 2024-	Calorimetry ICEENG 2024 - 14th IEEE International Conference on Electrical Engineering	

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Surface plasmon polariton at the interface			57756097300 57044846900				
of dielectric and graphene medium using	Ahmad, F. Bakhtawar Haneef, M.		41261303600 55321256700		2022-		
the Doppler broadening effect	Khan, H. Abid, A. Dahshan, A.	6	57219252095 6602133954	2022	06-01	Laser Physics	English
Geometrically nonlinear transient analysis							
of Timoshenko tapered beam-column							
element using a finite element formulation	Sallam, E. El Gendy, O. Mohamedien,	_	57720216700 57723572700		2024-	Mechanics Based Design of Structures	
based on the exact shape functions	M.A.	3	6507979584	2024	01-01	and Machines	English
Efficient offloading and task scheduling in	Gamal, M. Awad, S. Abdel-Kader, R.F.		57344213600 59157102700	0004	2024-	International Journal of Electrical and	E. Will
internet of things-cloud-fog environment	El Salam, K.A.	4	26532393000 57190800237	2024	08-01	Computer Engineering	English
F-1-7-3-1-1-1-1-7-1-1-1-1-1-1-1-1-1-1-1-1			57965449200 55866061500				
First principle study of er, co-doped fe and	Ullah, S. Azam, S. Gul, B. Subhan, F.		56448516000 36919223800 55363582800 6602133954				
yb of nabif6; a promising materials for optoelectronic and transport properties;	Muhammad, S. Dahshan, A. Ahmad, S.S. Kalsoom, A. Faisal, S. Hegazy,		57226372930 56020446500		2021-	Digest Journal of Nanomaterials and	
probed by dft	H.H.	10	57526528400 6603894858	2021	07-01	Biostructures	English
Hybrid concentrator	11.11.	10	37320328400 0003894838	2021	07-01	Biostructures	Eligusii
photovoltaic/membrane distillation	Rabie, M. Elrasheedy, A. Zkria, A.		57219471832 57190967447				
system for potable water production using	Elkady, M.F. Yoshitake, T. El-Shazly,		56770176100 57210801492		2023-		
new fabricated PS/ZIF_L membrane	A.H.	6	35270403400 7005992509	2023	07-01	Journal of Water Process Engineering	English
Oleaginous fungi as a sustainable source	7616		00270400400 7000002000	2020	0, 01	Journal of Water Frocess Engineering	Liigiisii
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future prospect	A.M. Abdel-Azeem, A.M.	4	57214234912 59080969500	2023	06-01	Microbial Biosystems	English
Optimal planning for sustainable and	, ribade rizoning fill li	-		2020	1 55 01	Solat Biodystomb	
cost-effective power generation on the					2020-	Sustainable Energy Technologies and	
Red Sea coast	Ahmed, A.S.	1	1.63E+10	2020	12-01	Assessments	English
Thin film synthesis and photovoltaic	7411104,7401		11002-11	2020	12.01	7.00000110110	Linguist
performance of polypyrrole@cobalt			7004169772 36463135100				
hydroxide composites for solar cells and	Hosny, M.M. Abdel-Aziz, M.H. Zoromba,		16305817700 59317204000		2024-		
optoelectronic devices	M.S. Al-Hossainy, A.F. Eissa, F.M.	5	8285399800	2024	12-01	Solar Energy Materials and Solar Cells	English
·			57214992857 57189731134			3,	
The nonlinear behavior of generic tail fins	Khedr, A.A. Hammam, M.M. Gupta, A.		57198676720 55780224700		2024-	Journal of Renewable and Sustainable	
for small wind turbines	Branlard, E. Castellani, F. Wood, D.H.	6	9842716300 7404400936	2024	10-01	Energy	English
			58493531500 36956146400				
Finite Element Analysis for Dynamic	Shamso, E. El-Hadek, M. Elsanabary,		57202363589 56979510000		2023-	International Journal of Renewable	
Simulation of Composite HAWT Blade	S. El-Megharbel, A. Soliman, R.M.	5	57196658732	2023	06-01	Energy Research	English
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High-voltage direct current transmission	Ibrahim, N.F. Dessouky, S.S.	2	57207775477 8318327400	2021	01-01	Power Systems	English
A solar energy-based shore side power							
system for a ferry service across the Suez	Bassam, A.M. Phillips, A.B. Turnock,		56769619600 23009867100		2024-		
Canal	S.R. Wilson, P.A.	4	6603539652 57188866982	2024	01-01	Ships and Offshore Structures	English
African vulture optimizer algorithm for			57189245011 55444215800				
fuzzy logic speed controller of fuel cell	Elnaghi, B.E. Dessouki, M.E. Mohamed,		59215835700 36543907900		2024-	International Journal of Power	
electric vehicle	S.W. Ismaiel, A.M. Abdel-Wahab, M.N.	5	52763100800	2024	09-01	Electronics and Drive Systems	English
					2021-		
Vsc-hvdc under ac and dc fault conditions	Ibrahim, N.F. Dessouky, S.S.	2	57207775477 8318327400	2021	01-01	Power Systems	English
Photovoltaic-Powered Smart Aquaponic			36175601000 59301808300				
System: Integrating IoT and Al for	Abd El-Atty, H.M. Ellaban, M.I. Mostafa,		57216512814 59301980600				
Sustainable Food Production and Fish	H.T. Mohamed, D.A. Elshabrawi, A.E.	_	59301719800 59301851000	000	2024-	2024 International Telecommunications	Foodish
Health Management	Tayaa, N.R. Refaat, A.	7	57207986070	2024	01-01	Conference, ITC-Egypt 2024	English
Experimental Examination of Enhanced							
Nanoceramic-Based Self-Cleaning Sprays	Abdaba M Ellisana A Elaba El		F0200000001 F4700000001		2004		
for High-Efficiency Hydrophobic Photovoltaic Panels	Abdrabo, M. Elkaseer, A. Elshazly, E.	5	59388090800 54786368200 57211350257 6603889475 6505895804	2024	2024- 10-01	Coatings	English
Protection of Wind Turbine Generators	El-Deab, M.S. El-Mahallawi, I. Ibrahim, N.F. Dessouky, S.S. Mostafa	J	57207775477 8318327400	2024	2022-	Coatings	Luguan
Using Microcontroller-Based Applications	Attia, H.E. Kasem Alaboudy, A.H.	4	35975042600 36625764500	2022	01-01	Green Energy and Technology	English
INTERNET OF ENERGY APPLIED TO WATER	Attia, T.E. Nasciii Aldbuuuy, A.A.	4	33373042000 30023704300	2022	01-01	Green Energy and Technology Proceedings of ASME 2022 16th	Linguisti
HYDROKINETIC SMART-GRIDS: A TEST RIG	Gharib-Yosry, A. Fernandez-Jimenez, A.		57204932141 57216433417		2022-	International Conference on Energy	
EXAMPLE	Pacheco, V.M.F. Rico-Secades, M.	4	57223678963 56029821300	2022	01-01	Sustainability, ES 2022	English
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DECISION-MAKING PROCESS BASED ON							
SMART MATERIALS AND BUILDING	Mohamed, MA.T. Megahed, N.A.		59037508700 55941539500		2024-		
INFORMATION MODELING	Eltarabily, S. Shahda, M.M.	4	57218372332 57204561477	2024	03-01	Journal of Green Building	English
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F.C. C. H.							
Estimating the energy consumption for			F740F0004001 F74000070071		0004		
residential buildings in semiarid and arid desert climate using artificial intelligence	Wefki, H. Khallaf, R. Ebid, A.M.	3	57195283493 57190007287 57211083444	2024	2024- 12-01	Scientific Reports	English
	Weiki, H. Kildudi, K. EDIU, A.M.	3	5/211063444	2024	12-01	Scientific Reports	Eligiisii
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Operational Scenarios - Naphtha	Abo-Mousa, A.G. Kamel, D.A. Elazab,	_	57197864132 14048292400	0000	2022-	Object of Figure 1 (Figure 1)	F. W.A.
Stabilizer and Reformer Operated	H.A. Gadalla, M.A. Fouad, M.K.	5	7005777140	2022	01-01	Chemical Engineering Transactions	English
Static and dynamic analysis of a new	<u> </u>						
offshore wind turbine system supported	El Gendy, O. Mohamedien, M.A.		57723572700 6507979584		2024-	Mechanics Based Design of Structures	
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Performance Assessment of T-Source						2022 23rd International Middle East	
Inverter Fed Induction Motor Drives Based			57158598800 36479761600		2022-	Power Systems Conference, MEPCON	
on Photovoltaics	Amin, A.A. El-Kholy, E.E. Dessouki, M.E.	3	55444215800	2022	01-01	2022	English
Conversion of Fish Waste Oil into Biofuel:	Mohamed, M.A. Elazab, H.A. Gadalla,		59358894300 57197864132		2024-		
An Experimental Study	M.A. Ashour, F.A.	4	14048292400 59359295000	2024	09-30	Letters in Applied NanoBioScience	English
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Optimization Techniques to Improve			57242490600 57208469428		2021-	Conference, ITC-Egypt 2021 -	
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conductivity measurements	Sharma, A. Dahshan, A. Mehta, N.	6	6602133954 9634246800	2021	04-01	Electronics	English
Power grids with renewable energy:	Charma, ru Bandhan, ru Florida, ru		0002200001 0001210000	2021	2021-	Power Grids with Renewable Energy:	
Storage, integration and digitalization	Sallam, A.A. Malik, O.P.	2	7004461634 7102619659	2021	01-01	Storage, integration and digitalization	English
Green Hydrogen Production from Ethanol	Cutturn, 7.57. Frank, C.F.		7004401004 7102010000	2021	01 01	otorage, megration and digitalization	Liigiioii
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wave energy converter motions'	Bayoumi, S. Amin, I. Oterkus, E.		56304821100 57217016463	0000	2022-	Mechanical Engineers, Part A: Journal of	F. C.
responses in waves	Incecik, A.	4	8345890200 7003453599	2022	12-01	Power and Energy	English
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Estimation for Intelligent Reflective	Raslan, W. Abdel-Atty, H.M. El-Den,	_	24779683800 36175601000		2024-	2024 International Telecommunications	
Surfaces	B.M.	3	42161395800	2024	01-01	Conference, ITC-Egypt 2024	English
Protective Schemes for Induction	Ibrahim, N.F. Dessouky, S.S. Mostafa		57207775477 8318327400		2022-		
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Conclusions and Future Work	Attia, H.E. Kasem Alaboudy, A.H.	4	35975042600 36625764500	2022	01-01	Green Energy and Technology	English
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Diagnostic Strategies for Microturbines			57216442051 57204932141				
Operating Status Applied to Predictive	Álvarez, E.Á. Yosry, A.G. Jiménez, A.F.		58704610900 58704463300		2023-		
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Co-Flow Jet Effects on the Aerodynamic							
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Energy Laboratory Aerofoils with Different	Aloukili, A.M. Elsakka, M. Mohamed,		59327487400 57195454644		2024-	Ecological Engineering and	
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Wind Tunnel and OpenFOAM Flow			57204932141 57216442051			5,	
Analysis of A High Solidity Vertical-Axis	Yosry, A.G. Álvarez, E.Á. Valdés, R.E.		57208819552 56178079500	1	2023-		
Wind Turbine	Francos, J.F. Marigorta, E.B.	5	57226002189	2023	01-01	Proceedings of the ASME Turbo Expo	English
			57872541300 57928298500		12.22	Proceedings of the International	<u> </u>
			25930079700 57221120034	1	1	Conference on Power Electronics, Drives,	
High-Power Three-Port Converter for	Firdous 7 Mekhilef S Muhin M R			1	l	and Energy Systems for Industrial	
High-Power Three-Port Converter for Efficient EV East Charging Using Partial	Firdous, Z. Mekhilef, S. Mubin, M.B.				1 2024-		
Efficient EV Fast Charging Using Partial	Elsanabary, A. Siddique, M.D. Al	7	57200143813 59919148400	2024	2024-	0, ,	Fndlish
		7		2024	01-01	Growth, PEDES	English
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Efficient EV Fast Charging Using Partial Power Processing Conclusions and future work Experimental Setups and Results for	Elsanabary, A. Siddique, M.D. Al Shammari, O. Seyedmahmousian, M. Ibrahim, N.F. Dessouky, S.S. Ibrahim, N.F. Dessouky, S.S. Mostafa	2	57200143813 59919148400 59663344600 57207775477 8318327400 57207775477 8318327400	2021	01-01 2021- 01-01 2022-	Growth, PEDES Power Systems	English
Efficient EV Fast Charging Using Partial Power Processing Conclusions and future work Experimental Setups and Results for Digital Relay Protection	Elsanabary, A. Siddique, M.D. Al Shammari, O. Seyedmahmousian, M. Ibrahim, N.F. Dessouky, S.S.		57200143813 59919148400 59663344600 57207775477 8318327400		01-01 2021- 01-01	Growth, PEDES	
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Efficient EV Fast Charging Using Partial Power Processing Conclusions and future work Experimental Setups and Results for Digital Relay Protection	Elsanabary, A. Siddique, M.D. Al Shammari, O. Seyedmahmousian, M. Ibrahim, N.F. Dessouky, S.S. Ibrahim, N.F. Dessouky, S.S. Mostafa	2	57200143813 59919148400 59663344600 57207775477 8318327400 57207775477 8318327400	2021	01-01 2021- 01-01 2022-	Growth, PEDES Power Systems	English

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Simulation and Optimization of Waste			5700000 40 40 4 40 40000 400 4				
Heat to Electricity through Organic			57202264046 14048292400				
Rankine Cycles (ORCs): a Case Study in	Sadek, M.A. Gadalla, M.A. Shedid, N.	, ,	58259280700 55902257200		2023-		
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Remagnetization Strategies for Induction			57188975908 35092407900				
Machines Operating with Reduced Flux	Abouzeid, A.F. Guerrero, J.M. Vicente,	, ,	26650213300 57214931007		2022-	2022 International Conference on	
Levels	I. Muniategui, I. Endemaño, A. Briz, F.	6	6508032491 6701332970	2022	01-01	Electrical Machines, ICEM 2022	English
An Evaluation of Firefly and Flower			,			2023 24th International Middle East	9
Pollination Techniques Used to Harvest	Elbaz, A. Refaat, A. Elfar, M.H. Kalas,	, ,	57668987700 57207986070		2023-	Power System Conference, MEPCON	
Maximum Power from PEMFC	A.	4	57193610159 6602469009	2023	01-01	2023	English
Fabrication, photovoltaic analysis, and	Λ.		37193010133 0002403003	2023	01-01	2023	Liigusii
electrical characterization of							
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Au/ZnTPyP/p-Si/Ag heterojunction under	FLORE FLAN LANGUE MELENGE	, ,	07050504400150007000001		0004		
gamma radiation effect for solar cell	Elesh, E. Abul-Nasr, K.T. Damhogi,		37053581400 58037922300		2024-		
applications	D.G.E.	3	57193408017	2024	09-01	European Physical Journal Plus	English
			14048292400 16244766300				
New Efficient Configurations for Sour	Gadalla, M.A. Ghallab, A. Mansour,		57806854500 57788821500		2022-	Recent Innovations in Chemical	
Wastewater Treatment	A.M. Ashour, F.H. Elazab, H.A.	5	57197864132	2022	02-01	Engineering	English
A Multi-Objective Approach for Available						Proceedings of the International Middle	
Transfer Capability Considering Capability			58195957300 57193610159		2024-	East Power System Conference,	
Curve of DFIG Wind Farm	Reyad, H.W. Elfar, M. Elaraby, E.E.	3	6504099591	2024	01-01	MEPCON	English
Fully symbolic-based technique for	neydd, m.vv. Eddi, m. Eddiddy, E.E.		000+000001	2024	01 01	TIEFOON	Liigiisii
solving complex state-space control	Abd-Alrahem, A.M. Elhadidy, H.M.	, ,	56426570700 55964551000		2021-	International Journal of Electrical and	
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systems	Elserafi, K.A. Dorrah, H.T.	4	6505861376 6701652288	2021	02-01	Computer Engineering	English
Maximizing Renewable Energy Integration		, ,					
through Demand Response Strategies in		, ,				2023 24th International Middle East	
Distribution Systems Considering	El-Kashty, O.A. El-Araby, E.E. Daoud,	, ,	58170142000 57208914011		2023-	Power System Conference, MEPCON	
Uncertainties	A.A.	3	36886391800	2023	01-01	2023	English
Better heat and power integration of an							
existing gas-oil plant in Egypt through			14048292400 57216331010				
revamping the design and organic rankine	Gadalla, M.A. Elmasry, A. Alhajri, I.	, ,	36242852100 57788821500		2021-		
cycle	Ashour, F.H. Elazab, H.A.	5	57197864132	2021	01-01	Open Chemical Engineering Journal	English
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Graphical revamping of a delayed coker	Alazmi, R.H. Gadalla, M. Wang, B.	, ,	57212146506 59144455000				
unit: A case study from an Egyptian	Alaziiii, N.II. Gaualla, Pl. Walig, D.						
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, .,,	Shahin, M. Elazab, H.A. Majozi, T.	- 1	57197864132 55961235600	0004	2024-	Thermal Science and Engineering	Fardish
refinery	Ashour, F.	7	57197864132 55961235600 57788821500	2024	10-01	Thermal Science and Engineering Progress	English
refinery Transient Behavior of Induction Generator	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa		57197864132 55961235600 57788821500 57207775477 8318327400		10-01 2022-	Progress	
refinery	Ashour, F.	7	57197864132 55961235600 57788821500	2024	10-01 2022- 01-01	0 0	English English
refinery Transient Behavior of Induction Generator Protective Relays	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H.	4	57197864132 55961235600 5778821500 57207775477 8318327400 35975042600 36625764500	2022	10-01 2022- 01-01 2021-	Progress Green Energy and Technology	English
refinery Transient Behavior of Induction Generator	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa		57197864132 55961235600 57788821500 57207775477 8318327400		10-01 2022- 01-01	Progress	
refinery Transient Behavior of Induction Generator Protective Relays	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H.	4	57197864132 55961235600 5778821500 57207775477 8318327400 35975042600 36625764500	2022	10-01 2022- 01-01 2021-	Progress Green Energy and Technology	English
refinery Transient Behavior of Induction Generator Protective Relays Introduction	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H.	4	57197864132 55961235600 5778821500 57207775477 8318327400 35975042600 36625764500	2022	10-01 2022- 01-01 2021- 01-01	Progress Green Energy and Technology	English
refinery Transient Behavior of Induction Generator Protective Relays Introduction Experimental investigation for hvdc system	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H. Ibrahim, N.F. Dessouky, S.S.	4 2	57197864132 55961235600 57788821500 57207775477 8318327400 35975042600 36625764500 57207775477 8318327400	2022	10-01 2022- 01-01 2021- 01-01 2021-	Progress Green Energy and Technology Power Systems	English English
refinery Transient Behavior of Induction Generator Protective Relays Introduction Experimental investigation for hvdc system THERMODYNAMIC ANALYSIS AND	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H. Ibrahim, N.F. Dessouky, S.S.	4 2	57197864132 55961235600 5778821500 5778821500 57207775477 8318327400 35975042600 36625764500 57207775477 8318327400 57207775477 8318327400	2022	10-01 2022- 01-01 2021- 01-01 2021-	Progress Green Energy and Technology Power Systems	English English
refinery Transient Behavior of Induction Generator Protective Relays Introduction Experimental investigation for hvdc system THERMODYNAMIC ANALYSIS AND EXPERIMENTAL STUDY OF ALTERNATIVE	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H. Ibrahim, N.F. Dessouky, S.S. Ibrahim, N.F. Dessouky, S.S.	4 2	57197864132 55961235600 5778821500 57207775477 8318327400 57207775477 8318327400 57207775477 8318327400 57207775477 8318327400	2022	10-01 2022- 01-01 2021- 01-01 2021- 01-01	Progress Green Energy and Technology Power Systems Power Systems	English English
refinery Transient Behavior of Induction Generator Protective Relays Introduction Experimental investigation for hvdc system THERMODYNAMIC ANALYSIS AND EXPERIMENTAL STUDY OF ALTERNATIVE BIOFUELS USING SAWDUST SLOW	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H. Ibrahim, N.F. Dessouky, S.S. Ibrahim, N.F. Dessouky, S.S.	2	57197864132 55961235600 5778821500 57207775477 8318327400 35975042600 36625764500 57207775477 8318327400 57207775477 8318327400 57194448020 57217049298 57193261423 14048292400	2022 2021 2021	10-01 2022- 01-01 2021- 01-01 2021- 01-01	Progress Green Energy and Technology Power Systems Power Systems European Biomass Conference and	English English English
refinery Transient Behavior of Induction Generator Protective Relays Introduction Experimental investigation for hvdc system THERMODYNAMIC ANALYSIS AND EXPERIMENTAL STUDY OF ALTERNATIVE BIOFUELS USING SAWDUST SLOW PYROLYSIS	Ashour, F. Ibrahim, N.F. Dessouky, S.S. Mostafa Attia, H.E. Kasem Alaboudy, A.H. Ibrahim, N.F. Dessouky, S.S. Ibrahim, N.F. Dessouky, S.S.	4 2	57197864132 55961235600 5778821500 5778821500 57207775477 8318327400 57207775477 8318327400 57207775477 8318327400 57207775477 8318327400 57194448020 57217049298 57193261423 14048292400 5778821500 55961235600	2022	10-01 2022- 01-01 2021- 01-01 2021- 01-01	Progress Green Energy and Technology Power Systems Power Systems	English English
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Title	Field-Weighted View Impact	Views	Citations	Field-Weighted Citation Impact	Field-Citation Average	Outputs in Top Citation Percentiles, per percentile	Field-Weighted Outputs in Top Citation Percentiles, per percentile	Main patent families	Policy citations	Reference
										Osman, A.I., Mehta, N., Elgarahy,
										A.M. and 4 more () (2022).Hydrogen production,
Hydrogen production,										storage, utilisation and
storage, utilisation and										environmental impacts: a review.
environmental impacts: a										Environmental Chemistry
review	6.34	519	736	11.57	62.81	1	1	1	6	Letters,20(1) 153-188
										Osman, A.I., Mehta, N., Elgarahy,
										A.M. and 3 more ()
										(2021).Conversion of biomass to
										biofuels and life cycle
Conversion of biomass to										assessment: a review.
biofuels and life cycle										Environmental Chemistry
assessment: a review	3.34	308	519	5.22	71.64	1	3	1	1	Letters,19(6) 4075-4118
										Osman, A.I., Fawzy, S., Farghali,
Biochar for agronomy,										M. and 8 more () (2022).Biochar for agronomy,
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digestion, composting,										digestion, composting, water
water treatment, soil										treatment, soil remediation,
remediation, construction,										construction, energy storage, and
energy storage, and										carbon sequestration: a review.
carbon sequestration: a										Environmental Chemistry
review	3.62	265	352	5.6	62.81	1	3	1	0	Letters,20(4) 2385-2485
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Methods to prepare										biosorbents and magnetic
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sorbents for water	2.00	045	047	F 45	20.00					review. Environmental Chemistry
treatment: a review	3.69	215	217	5.45	39.82	1	3	0	0	Letters,21(4) 2337-2398
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										Energy Saving: Principles,
Membrane Technology for										Techniques, Applications,
Energy Saving: Principles,										Challenges, and Prospects.
Techniques, Applications,										Advanced Energy and
Challenges, and Prospects	3.71	108	153	12.73	12.02	1	1	0	0	Sustainability Research,5(5)
										Osman, A.I., Farghali, M., Ihara, I.
										and 11 more ()
										(2023).Materials, fuels,
Materials, fuels,										upgrading, economy, and life
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life cycle assessment of										of algal and lignocellulosic
the pyrolysis of algal and										biomass: a review. Environmental
lignocellulosic biomass: a review	1.91	111	137	3.44	39.82	1	6	0	0	Chemistry Letters,21(3) 1419- 1476
Teview	1.91	111	13/	3.44	39.62	1	6	-	l "	Osman, A.I., Lai, Z.Y., Farghali, M.
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									ĺ	(2023).Optimizing biomass
Optimizing biomass									ĺ	pathways to bioenergy and
pathways to bioenergy and									ĺ	biochar application in electricity
biochar application in									ĺ	generation, biodiesel production,
electricity generation,									ĺ	and biohydrogen production.
biodiesel production, and									ĺ	Environmental Chemistry
biohydrogen production	2.18	127	126	3.16	39.82	1	7	0	0	Letters,21(5) 2639-2705

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for Frequency Regulation										Frequency Regulation in Multi-
in Multi-Area Power										Area Power Systems. IEEE
Systems	0.93	37	120	5.49	12.2	2	3	0	0	Access,8213899-213915
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bibliometric analysis: A										Environmental Chemical
conceptual review	2.73	140	119	2.48	35.9	2	9	0	0	Engineering,9(6)
										Osman, A.I., Elgarahy, A.M.,
										Eltaweil, A.S. and 11 more ()
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water remediation by										remediation by photocatalysis,
photocatalysis,										biocatalysis and electrocatalysis.
biocatalysis and										Environmental Chemistry
electrocatalysis	3.38	197	108	2.71	39.82	1	8	0	0	Letters,21(3) 1315-1379
										Ahmad, I., Ahmed, J., Batool, S.
										and 9 more () (2022).Design
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heterostructure for oxygen										evolution reaction
evolution reaction										electrocatalysis. Journal of Alloys
electrocatalysis	1.65	71	103	8.08	12.62	1	1	0	0	and Compounds,894
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										A.M. and 3 more ()
										(2023).Recent Advances in
Recent Advances in										Biomass Pyrolysis Processes for
Biomass Pyrolysis										Bioenergy Production:
Processes for Bioenergy										Optimization of Operating
Production: Optimization										Conditions. Sustainability
of Operating Conditions	2.24	113	98	3.91	25.09	1	5	0	0	(Switzerland),15(14)
										Elmetwaly, A.H., Eldesouky, A.A.,
										Sallam, A.A. (2020).An Adaptive
An Adaptive D-FACTS for										D-FACTS for Power Quality
Power Quality										Enhancement in an Isolated
Enhancement in an								_	_	Microgrid. IEEE Access,857923-
Isolated Microgrid	1.36	42	95	4.64	12.49	3	4	0	0	57942
										Ahmed, E.M., Mohamed, E.A.,
0.00										Elmelegi, A. and 2 more ()
Optimum Modified										(2021).Optimum Modified
Fractional Order Controller										Fractional Order Controller for
for Future Electric Vehicles										Future Electric Vehicles and
and Renewable Energy-										Renewable Energy-Based
Based Interconnected	4 40	40	92	F 40	40.00	_	3	0	_	Interconnected Power Systems.
Power Systems	1.46	42	92	5.13	13.26	2	3	0	0	IEEE Access,929993-30010
										Elgarahy, A.M., Elwakeel, K.Z.,
										Akhdhar, A. and 1 more ()
Pagent advance: :=										(2021).Recent advances in
Recent advances in										greenly synthesized
greenly synthesized nanoengineered materials										nanoengineered materials for water/wastewater remediation:
for water/wastewater										an overview. Nanotechnology for
remediation: an overview	1.28	90	90	1.51	53.15	2	18	0	0	Environmental Engineering,6(1)
	1.20	90	90	1.51	55.15	2	10	- ·	- ·	Xu, Y., Rashwan, A.K., Osman,
Synthesis and potential applications of	1.15	78	83	2.08	39.82	1	12	1	0	Xu, Y., Rashwan, A.K., Osman, A.I. and 8 more ()
applications of	1.15	/8	83	2.08	39.82	1	12	1	0	A.i. and 8 more ()

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cyclodextrin-based metal-										(2023). Synthesis and potential
organic frameworks: a										applications of cyclodextrin-
review										based metal-organic
										frameworks: a review.
										Environmental Chemistry
										Letters,21(1) 447-477
										Georgious, R., Refaat, R., Garcia,
										J. and 1 more () (2021).Review
										on energy storage systems in
Review on energy storage										microgrids. Electronics
systems in microgrids	1.2	66	82	1.6	38.79	3	17	0	0	(Switzerland), 10(17)
										Eloffy, M.G., Elgarahy, A.M.,
										Saber, A.N. and 5 more ()
										(2022).Biomass-to-sustainable
Biomass-to-sustainable										biohydrogen: Insights into the
biohydrogen: Insights into										production routes, and technical
the production routes, and										challenges. Chemical
technical challenges	2.39	124	77	1.51	50.41	2	19	0	0	Engineering Journal Advances,12
										Refaat, A., Khalifa, AE., Elsakka,
										M.M. and 3 more () (2023).A
										novel metaheuristic MPPT
A novel metaheuristic										technique based on enhanced
MPPT technique based on										autonomous group Particle
enhanced autonomous										Swarm Optimization Algorithm to
group Particle Swarm										track the GMPP under partial
Optimization Algorithm to										shading conditions -
track the GMPP under										Experimental validation. Energy
partial shading conditions	1.00	37	77	7.07	10.59		2	0	0	Conversion and
- Experimental validation	1.68	3/	//	7.27	10.59	1		U	U	Management,287
										Aslam Khan, M., Alburaih, H.A.,
0										Noor, N.A. and 1 more ()
Comprehensive										(2021).Comprehensive
investigation of Opto-										investigation of Opto-electronic
electronic and transport										and transport properties of
properties of Cs2ScAgX6										Cs2ScAgX6 (X = Cl, Br, I) for solar cells and thermoelectric
(X = Cl, Br, I) for solar cells										
and thermoelectric applications	0.49	16	74	2.32	20.23	3	10	0	0	applications. Solar Energy, 225122-128
аррисацонѕ	0.49	10	74	2.32	20.23	აა	10	U	U	
Containable management										Elgarahy, A.M., Eloffy, M.G.,
Sustainable management										Alengebawy, A. and 4 more ()
of food waste; pre-										(2023).Sustainable management
treatment strategies, techno-economic										of food waste; pre-treatment strategies, techno-economic
assessment, bibliometric										assessment, bibliometric
analysis, and potential utilizations: A systematic										analysis, and potential utilizations: A systematic review.
	9.24	289	72	3.89	18.49	1	5	0	0	Environmental Research,225
review	9.24	209	12	3.09	10.49	1	5	l "	 	Noreen, S., Tahir, M.B., Hussain,
										A. and 5 more ()
										A. and 5 more () (2022).Emerging 2D-
Emerging 2D-										Nanostructured materials for
Nanostructured materials										electrochemical and sensing
for electrochemical and										Application-A review.
sensing Application-A										International Journal of Hydrogen
sensing Application-A review	1.28	80	67	1.45	45.5	2	19	0	0	Energy,47(2) 1371-1389
Teview	1.20	80	07	1.43	40.0		19		0	Marni Sandid, A., Bassyouni, M.,
										Nehari, D. and 1 more ()
Experimental and										(2021).Experimental and
simulation study of										simulation study of multichannel
multichannel air gap										air gap membrane distillation
membrane distillation										process with two types of solar
process with two types of										collectors. Energy Conversion
solar collectors	3.13	90	67	3.34	14.96	4	6	0	0	and Management,243
30(8) CUITECIUIS	3.13	50	0/	3.34	14.30	4		U	U	ana management,243

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										Ahmed, A., Zhang, G., Shanks, K.
D. farmer and all and										and 3 more ()
Performance evaluation of										(2021).Performance evaluation
single multi-junction solar										of single multi-junction solar cell
cell for high concentrator										for high concentrator photovoltaics using minichannel
photovoltaics using minichannel heat sink with										heat sink with nanofluids.
nanofluids	3.38	122	65	3.57	14	4	5	0	0	Applied Thermal Engineering, 182
Hallollulus	3.30	122	00	3.37	14	4	5	, ·	, ·	Khan, N.A., Ahmad, I., Rashid, N.
										and 10 more ()
										(2022).Enhanced
										electrochemical activity of
Enhanced electrochemical										Co3O4/Co9S8 heterostructure
activity of Co3O4/Co9S8										catalyst for water splitting.
heterostructure catalyst										International Journal of Hydrogen
for water splitting	1.23	32	65	4.18	15.55	2	4	0	0	Energy,47(72) 30970-30980
ioi water spatting	1.20	02		4.10	10.00		-			Elminshawy, N.A.S., El-Damhogi,
										D.G., Ibrahim, I.A. and 2 more ()
Assessment of floating										(2022).Assessment of floating
photovoltaic productivity										photovoltaic productivity with
with fins-assisted passive										fins-assisted passive cooling.
cooling	3.23	101	61	3.72	16.14	3	5	0	0	Applied Energy,325
000g	0.20	101		5.72	10.11			<u> </u>	<u> </u>	Elminshawy, N.A.S., Osama, A.,
										El-Damhogi, D.G. and 2 more ()
Simulation and										(2021).Simulation and
experimental performance										experimental performance
analysis of partially										analysis of partially floating PV
floating PV system in windy										system in windy conditions. Solar
conditions	3.08	112	58	1.98	20.23	5	13	0	0	Energy,2301106-1121
			-			_				Elminshawy, N.A.S., Gadalla,
A novel concentrated										M.A., Bassyouni, M. and 3 more
photovoltaic-driven										() (2020).A novel concentrated
membrane distillation										photovoltaic-driven membrane
hybrid system for the										distillation hybrid system for the
simultaneous production										simultaneous production of
of electricity and potable										electricity and potable water.
water	2.7	128	57	1.65	24.3	6	16	0	0	Renewable Energy, 162802-817
										Abd-Elmageed, A.A.I., Al-
										Hossainy, A.F., Fawzy, E.M. and
Synthesis,										10 more () (2020). Synthesis,
characterization and DFT										characterization and DFT
molecular modeling of										molecular modeling of doped
doped poly (para-										poly (para-nitroaniline-co-para-
nitroaniline-co-para-										toluidine) thin film for
toluidine) thin film for										optoelectronic devices
optoelectronic devices										applications. Optical
applications	2.52	70	57	4.28	12.16	6	4	0	0	Materials,99
										Refaat, A., Ali, Q.A., Elsakka,
										M.M. and 4 more ()
Extraction of maximum										(2024).Extraction of maximum
power from PV system										power from PV system based on
based on horse herd										horse herd optimization MPPT
optimization MPPT										technique under various weather
technique under various										conditions. Renewable
weather conditions	1.35	38	55	6.45	8.53	1	2	0	0	Energy,220
			-		-					Elminshawy, N.A.S., Osama, A.,
Thermo-electrical										Saif, A.M. and 1 more ()
performance assessment										(2022).Thermo-electrical
of a partially submerged										performance assessment of a
floating photovoltaic										partially submerged floating
system	3.18	87	55	3.57	15.13	3	5	0	0	photovoltaic system. Energy,246
Efficient fractional-order										Yousri, D., Mirjalili, S., Machado,
modified Harris hawks	2.22	49	53	2.6	16.15	5	9	0	0	J.A.T. and 3 more ()

exchange membrane fuel cell modeling and a cell modeling are serviced by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0 Doped poly (o-phenylenediamine -co-ptolucidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	cient fractional-order irris hawks optimizer exchange membrane odeling. Engineering olications of Artificial Intelligence, 100 y, Y., Moustafa, G.H., A.M. and 3 more () (2022). Performance ipporation/membrane restem driven by solar desalination. Journal Engineering, 10(6)
Cell modeling for protone fuel cell m App. Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0 Doped poly (0-phenylenediamine -co-ptoluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	exchange membrane odeling. Engineering bilications of Artificial Intelligence, 100 y, Y., Moustafa, G.H., A.M. and 3 more () (2022). Performance lent of a hybrid multi poration/membrane stem driven by solar desalination. Journal ronmental Chemical
Performance	odeling. Engineering plications of Artificial Intelligence, 100 y, Y., Moustafa, G.H., A. M. and 3 more () (2022). Performance uent of a hybrid multiporation/membrane stem driven by solar driven by solar formental Chemical Chemical Chemical
Performance	olications of Artificial Intelligence, 100 y, Y, Moustafa, G.H., A.M. and 3 more () (2022). Performance the form of a hybrid multiporation/membrane stem driven by solar desalination. Journal ronmental Chemical
Performance enhancement of a hybrid multi effect eva evaporation/membrane distillation system driven by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0 Doped poly (ophenylenediamine -coptoluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elm	Intelligence, 100 y, Y., Moustafa, G.H., A.M. and 3 more () (2022). Performance nent of a hybrid multi poration/membrane stem driven by solar desalination. Journal ronmental Chemical
Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0 Doped poly (ophenylenediamine -co-ptoluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	y, Y., Moustafa, G.H., A.M. and 3 more () (2022).Performance lent of a hybrid multi poration/membrane sstem driven by solar desalination. Journal ronmental Chemical
Performance enhancement of a hybrid multi effect eva evaporation/membrane distillation system driven by solar energy for desalination of the phenylenediamine -co-p-toluidine) fibers for polymer solar cells applications 9 0.61 28 52 2.35 20.86 7 10 0 0 Elh	y, Y., Moustafa, G.H., A.M. and 3 more () (2022).Performance lent of a hybrid multi poration/membrane sstem driven by solar desalination. Journal ronmental Chemical
Performance enhancement of a hybrid multi effect eva evaporation/membrane distillation system driven by solar energy for desalination of the phenylenediamine -co-p-toluidine) fibers for polymer solar cells applications 9 0.61 28 52 2.35 20.86 7 10 0 0 Elh	A.M. and 3 more () (2022).Performance nent of a hybrid multi poration/membrane stem driven by solar desalination. Journal ronmental Chemical
Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0 Doped poly (o-phenylenediamine -co-ptoluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	(2022).Performance nent of a hybrid multi poration/membrane rstem driven by solar desalination. Journal ronmental Chemical
enhancement of a hybrid multi effect eva poration/membrane distillation system driven by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0	nent of a hybrid multi oporation/membrane orstem driven by solar desalination. Journal ronmental Chemical
multi effect evaporation/membrane distillation system driven evaporation/membrane distillation system driven energy for conficultion system driven energy for con	poration/membrane /stem driven by solar desalination. Journal ronmental Chemical
evaporation/membrane distillation system driven by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0 Doped poly (o-phenylenediamine -co-ptoluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	vstem driven by solar desalination. Journal ronmental Chemical
distillation system driven by solar energy for desalination 4.77 130 52 3.45 15.06 3 6 0 0 Doped poly (o- phenylenediamine -co-p- toluidine) fibers for polymer solar cells applications 6 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 6 0 0 0 0 2 2 2 3 6 0 <t< td=""><td>desalination. Journal ronmental Chemical</td></t<>	desalination. Journal ronmental Chemical
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Doped poly (o-phenylenediamine -co-p-toluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Eth	
phenylenediamine -co-p- toluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	
toluidine) fibers for polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	2020).Doped poly (o-
polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	ylenediamine -co- p-
polymer solar cells applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	ers for polymer solar
applications 0.61 28 52 2.35 20.86 7 10 0 0 Elh	s applications. Solar
Eth	Energy, 195194-209
Description De	enawy, Y., Fouad, K.,
	ni, M. and 1 more ()
(2023).Desi	ign and performance
	el hybrid membrane
	tion/humidification-
	ation system. Energy
distillation/humidification-	Conversion and
dehumidification system 2.91 64 51 4.82 10.59 2 3 0 0	Management,286
AbdE	l-Rady Abu-Zeid, M.,
	Bassyouni, M. and 4
	(2024).Performance
	nent of flat-plate and
	rough solar collector
	uid for water heating
for water heating ap	oplication. Results in
application 4.12 72 51 10.65 4.79 1 1 0 0	Engineering,21
Figar	ahy, A.M., Maged, A.,
	, K.Z. and 2 more ()
	ning cationic/anionic
	rption from aqueous
	tion onto green algal
aqueous solution onto biom	nass for biohydrogen
green algal biomass for produc	ction. Environmental
biohydrogen production 1.49 42 50 4.92 10.17 2 3 0 0 0	Research,216
	shawy, A., Morad, K.,
	ry, N.A.S. and 1 more
	(2021).Performance
	ment of concentrator
Performance photov	oltaic systems using
	International Journal
	esearch,45(2) 2959-
	2979
	M.H., Zoromba, M.S.,
	ni, M. and 3 more ()
Synthesis and (t	2020).Synthesis and
characterization of Co-Al characteriz	ation of Co-Al mixed
	particles via thermal
via dictinal decomposition	tion route of lavored
	ition route of layered
route of layered double double	hydroxide. Journal of
route of layered double double	
route of layered double hydroxide 2.06 62 48 3.34 12.57 8 6 1 0 Molec	hydroxide. Journal of

economy, governance and										(2022).Hydrogen production
applications: a review										from wastewater, storage,
										economy, governance and
										applications: a review.
										Environmental Chemistry
										Letters,20(6) 3453-3504
										Elminshawy, N.A.S., Diab, S.,
										Yassen, Y.E.S. and 1 more ()
An energy-economic										(2024).An energy-economic
analysis of a hybrid										analysis of a hybrid
PV/wind/battery energy-										PV/wind/battery energy-driven
driven hydrogen										hydrogen generation system in
generation system in rural										rural regions of Egypt. Journal of
regions of Egypt	6.86	100	45	6.95	6.47	1	2	0	0	Energy Storage,80
										Elminshawy, N.A.S., Mohamed,
										A.M.I., Osama, A. and 3 more ()
										(2022).Performance and
										potential of a novel floating
Performance and potential										photovoltaic system in Egyptian
of a novel floating										winter climate on calm water
photovoltaic system in										surface. International Journal of
Egyptian winter climate on										Hydrogen Energy,47(25) 12798-
calm water surface	3.5	91	45	2.89	15.55	4	7	0	0	12814
			-					-	-	Elminshawy, N.A.S., Osama, A.,
										Gagliano, A. and 2 more ()
A technical and economic										(2024).A technical and economic
evaluation of floating										evaluation of floating
photovoltaic systems in										photovoltaic systems in the
the context of the water-										context of the water-energy
energy nexus	4.3	73	44	7.65	5.75	1	2	0	0	nexus. Energy,303
						_	_	_	_	Aboelazayem, O., Gadalla, M.,
										Alhajri, I. and 1 more ()
Advanced process										(2021).Advanced process
integration for										integration for supercritical
supercritical production of										production of biodiesel: Residual
biodiesel: Residual waste										waste heat recovery via organic
heat recovery via organic										Rankine cycle (ORC). Renewable
Rankine cycle (ORC)	2.06	135	44	1.68	23.74	7	16	0	0	Energy,164433-443
					-			-	-	Zoromba, M.S., Tashkandi, M.A.,
										Alshehri, A.A. and 5 more ()
Polymer solar cell based										(2020).Polymer solar cell based
on doped o-anthranilic										on doped o-anthranilic acid and
acid and o-aminophenol										o-aminophenol copolymer.
copolymer	2.1	50	43	3.29	12.16	9	6	0	0	Optical Materials, 104
222391101			.0	2,20					, , , , , , , , , , , , , , , , , , ,	Maddah, H.A., Bassyouni, M.,
										Abdel-Aziz, M.H. and 2 more ()
										(2020).Performance estimation
Performance estimation of										of a mini-passive solar still via
a mini-passive solar still										machine learning. Renewable
via machine learning	1.11	70	41	1.03	24.3	10	27	0	0	Energy,162489-503
The tribution tourning	1.11	,0	71	1.00	24.0	10	2/	 	<u> </u>	Elminshawy, N.A.S., Elminshawy,
										A., Osama, A. (2023).An
An innovative cooling										innovative cooling technique for
technique for floating										floating photovoltaic module:
photovoltaic module:										Adoption of partially submerged
Adoption of partially										angle fins. Energy Conversion
submerged angle fins	5.1	112	40	3.78	10.59	3	5	0	0	and Management: X,20
One-pot conversion of	5.1	112	40	3.70	10.59	3	5	· ·		Naeem, M.M., Al-Sakkari, E.G.,
										Boffito, D.C. and 2 more ()
highly acidic waste										
cooking oil into biodiesel over a novel bio-based bi-										(2021).One-pot conversion of highly acidic waste cooking oil
	1.05	05	40	2.40	14.40		40	_	_	0 ,
functional catalyst	1.95	95	40	2.42	14.46	8	10	0	0	into biodiesel over a novel bio-

	1					•				
										based bi-functional catalyst. Fuel,283
Power management strategy based on adaptive neuro fuzzy inference system for AC microgrid	1.11	28	39	1.84	12.49	11	14	0	0	Fekry, H.M., Eldesouky, A.A., Kassem, A.M. and 1 more () (2020). Power management strategy based on adaptive neuro fuzzy inference system for AC microgrid. IEEE Access, 8192087- 192100
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	2.18	71	39	2	14.96	8	13	0	0	Gharib Yosry, A., Fernández- Jiménez, A., Álvarez-Álvarez, E. and 1 more () (2021). Design and characterization of a vertical- axis micro tidal turbine for low velocity scenarios. Energy Conversion and Management, 237
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	4.33	119	39	2.54	15.36	1	10	0	0	El Bari, H., Fanezoune, C.K., Dorneanu, B. and 10 more () (2024).Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview. Journal of Analytical and Applied Pyrolysis,178
Theoretical investigation of the temperature limits of an actively cooled high concentration photovoltaic system	1.87	53	38	1.6	13.72	11	16	0	0	Ahmed, A., Shanks, K., Sundaram, S. and 1 more () (2020) Theoretical investigation of the temperature limits of an actively cooled high concentration photovoltaic system. Energies, 13(8)
Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic										El-Qelish, M., Maged, A., Elwakeel, K.Z. and 2 more () (2024).Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion. Journal of
Effectiveness of some novel heterocyclic compounds as corrosion inhibitors for carbon steel in 1 M HCl using practical and theoretical methods	0.58	49	38	5.99 2.45	6.34	1 8	3	0	0	Hazardous Materials, 465 Fouda, EA., Abd el-Maksoud, S.A., El-Sayed, E.H. and 2 more () (2021). Effectiveness of some novel heterocyclic compounds as corrosion inhibitors for carbon steel in 1 M HCl using practical and theoretical methods. RSC Advances, 11(31) 19294-19309
Coyote optimization based on a fuzzy logic algorithm for energy-efficiency in wireless sensor networks	0.31	17	38	1.56	12.2	11	17	0	0	Mohamed, A., Saber, W., Elnahry, I. and 1 more () (2020).Coyote optimization based on a fuzzy logic algorithm for energy- efficiency in wireless sensor networks. IEEE Access, 8185816-
Toward a national life cycle assessment tool: Generative design for early										Hassan, S.R., Megahed, N.A., Abo Eleinen, O.M. and 1 more () (2022).Toward a national life cycle assessment tool: Generative design for early decision support. Energy and
decision support Integration of active solar	7.52	181	38	2.74	13.88	5	8	0	0	Buildings,267 Noaman, D.S., Moneer, S.A.,
cooling technology into	2.61	76	37	3.04	12.19	6	7	0	0	Megahed, N.A. and 1 more ()

passively designed facade									1	(2022).Integration of active solar
in hot climates										cooling technology into passively
ļ										designed facade in hot climates.
ļ										Journal of Building
ļ										Engineering,56
										Elminshawy, N.A.S., Osama, A.,
ļ										Naeim, N. and 2 more ()
ļ										(2022).Thermal regulation of
Thermal regulation of										partially floating photovoltaics for
partially floating										enhanced electricity production:
photovoltaics for										A modeling and experimental
enhanced electricity										analysis. Sustainable Energy
production: A modeling										Technologies and
and experimental analysis	3.05	93	37	1.99	18.63	6	13	0	0	Assessments,53
and experimental analysis	5.05	33	37	1.55	10.03	0	10	0		Elminshawy, N., Elminshawy, A.,
ļ										
ļ										Osama, A. and 2 more ()
ļ										(2022).Experimental
										performance analysis of
Experimental performance										enhanced concentrated
analysis of enhanced										photovoltaic utilizing various
concentrated photovoltaic										mass flow rates of Al2O3-
utilizing various mass flow										nanofluid: Energy, exergy, and
rates of Al2O3-nanofluid:										exergoeconomic study.
Energy, exergy, and										Sustainable Energy Technologies
exergoeconomic study	3.12	95	37	1.99	18.63	6	13	0	0	and Assessments,53
ļ										Abed-Elmageed, A.A.I., Zoromba,
Facile synthesis of spin-										M.S., Hassanien, R. and 1 more
coated poly (4-										() (2020).Facile synthesis of
nitroaniline) thin film:										spin-coated poly (4-nitroaniline)
Structural and optical										thin film: Structural and optical
properties	0.93	25	37	1.97	12.16	11	13	0	0	properties. Optical Materials, 109
										Hetimy, S., Megahed, N., Eleinen,
ļ										O.A. and 1 more ()
Exploring the potential of										(2024).Exploring the potential of
sheep wool as an eco-										sheep wool as an eco-friendly
friendly insulation										insulation material: A
material: A comprehensive										comprehensive review and
review and analytical										analytical ranking. Sustainable
ranking	2.78	93	37	2.08	17.78	1	13	0	0	Materials and Technologies,39
	2.70		0,	2.00	17.7.0	-				Alhussan, A.A., El-Kenawy, E
ļ										S.M., Saeed, M.A. and 7 more ()
Green hydrogen										(2023).Green hydrogen
production ensemble										production ensemble forecasting
forecasting based on										
										based on hybrid dynamic
hybrid dynamic	0.0		00	0.00	11.00		_			optimization algorithm. Frontiers
optimization algorithm	2.6	68	33	2.93	11.26	4	7	0	0	in Energy Research,11
ļ										Refaat, A., Elbaz, A., Khalifa, AE.
										and 3 more ()
Performance evaluation of										(2024).Performance evaluation
a novel self-tuning particle										of a novel self-tuning particle
swarm optimization										swarm optimization algorithm-
algorithm-based										based maximum power point
maximum power point										tracker for porton exchange
tracker for porton										membrane fuel cells unde
exchange membrane fuel										different operating conditions
cells under different										Energy Conversion and
operating conditions	1.9	29	32	5.32	6.02	2	3	0	0	Management,301
, <u> </u>										Amin, I., Ali, M.E.A., Bayoumi, S.
Conceptual design and										and 3 more ()
numerical analysis of a										(2020).Conceptual design and
novel floating desalination										numerical analysis of a novel
plant powered by marine										floating desalination plant
renewable energy for Egypt	1.79	54	32	1.93	11.42	13	13	1	1	powered by marine renewable
rememante energy ioi egypt	1.79	54	32	1.53	11.42	13	13	<u> </u>	1	powered by marine renewable

										energy for Egypt. Journal of
										Marine Science and
										Engineering,8(2) 1-23
										Elsanabary, A., Khairullah, K.,
										Aziz, N.F.A. and 1 more ()
										(2024). Power management and
Power management and										optimized control of hybrid PV-
optimized control of hybrid PV-BESS-grid integrated										BESS-grid integrated fast EV charging stations. Journal of
fast EV charging stations	2.74	40	32	4.94	6.47	2	4	0	0	Energy Storage,90
last EV Charging Stations	2.74	40	32	4.94	0.47	2	4	0	U	Bassam, A.M., Phillips, A.B.,
										Turnock, S.R. and 1 more ()
Artificial neural network										(2023).Artificial neural network
based prediction of ship										based prediction of ship speed
speed under operating										under operating conditions for
conditions for operational										operational optimization. Ocean
optimization	1.71	39	31	3.13	9.9	4	7	0	0	Engineering,278
								_	_	Sait, H.H., Hussain, A.,
										Bassyouni, M. and 4 more ()
Hydrogen-Rich Syngas and										(2022). Hydrogen-Rich Syngas
Biochar Production by										and Biochar Production by Non-
Non-Catalytic Valorization										Catalytic Valorization of Date
of Date Palm Seeds	1.93	44	30	2.19	13.72	8	11	0	0	Palm Seeds. Energies, 15(8)
										Waqas Mukhtar, M., Ramzan, M.,
										Rashid, M. and 5 more ()
Systematic study of										(2022). Systematic study of
optoelectronic and										optoelectronic and
thermoelectric properties										thermoelectric properties of new
of new lead-free halide										lead-free halide double
double perovskites										perovskites A2KGal6(A = Cs, Rb)
A2KGal6(A = Cs, Rb) for										for solar cell applications via ab-
solar cell applications via	4.00				40.40					initio calculations. Materials
ab-initio calculations	1.02	23	29	2.16	13.43	8	11	0	0	Science and Engineering: B,285
										Elhenawy, Y., Hafez, G., Abdel- Hamid, S. and 1 more ()
Prediction and										(2020).Prediction and
assessment of automated										assessment of automated lifting
lifting system performance										system performance for multi-
for multi-storey parking										storey parking lots powered by
lots powered by solar										solar energy. Journal of Cleaner
energy	1.06	53	29	1.14	17.55	15	24	0	0	Production,266
										Abd-Elaty, I., Pugliese, L., Bali,
										K.M. and 2 more ()
Modelling the impact of										(2022).Modelling the impact of
lining and covering										lining and covering irrigation
irrigation canals on										canals on underlying
underlying groundwater										groundwater stores in the Nile
stores in the Nile Delta,										Delta, Egypt. Hydrological
Egypt	2.76	58	28	2.56	10.92	8	9	0	2	Processes,36(1)
										Zakaria, M., Sharaky, A.M., Al-
										Sherbini, AS. and 3 more ()
										(2022).Water Desalination Using
Water Decalination Hair-										Solar Thermal Collectors
Water Desalination Using Solar Thermal Collectors										Enhanced by Nanofluids. Chemical Engineering and
Enhanced by Nanofluids	1.81	55	28	1.72	16.27	8	16	0	0	Technology,45(1) 15-25
Elinancea by Nanonalas	1.01	55	20	1./2	10.27	· °	16		0	Kibria, M.F., Elsanabary, A., Tey,
A Comparative Review on				ĺ						K.S. and 2 more () (2023).A
Single Phase				ĺ						Comparative Review on Single
Transformerless Inverter				ĺ						Phase Transformerless Inverter
Topologies for Grid-				ĺ						Topologies for Grid-Connected
Connected Photovoltaic				1						Photovoltaic Systems.
Systems	0.66	30	28	0.92	30.3	5	31	0	0	Energies,16(3)

										Abd El-Aal, M., Mogharbel, R.T.,
										Ibrahim, A. and 4 more ()
Synthesis,										(2022).Synthesis,
characterization, and										characterization, and
photosensitizer										photosensitizer applications for
applications for dye-based										dye-based on ZrO2- acriflavine
on ZrO2- acriflavine										nanocomposite thin film
nanocomposite thin film										[ZrO2+ACF]C. Journal of
[ZrO2+ACF]C	1.65	44	27	2.25	11.99	9	11	0	0	Molecular Structure, 1250
										Liu, G., Du, H., Sailikebuli, X. and
										8 more () (2021).Evaluation of
Evaluation of Storage										Storage Stability for Biocrude
Stability for Biocrude										Derived from Hydrothermal
Derived from										Liquefaction of Microalgae.
Hydrothermal Liquefaction										Energy and Fuels,35(13) 10623-
of Microalgae	1.47	43	27	1.55	15.49	13	18	0	0	10629
										Farghaly, M.B., Alahmadi, R.N.,
										Sarhan, H.H. and 1 more ()
Experimental study of										(2023).Experimental study of
simultaneous effect of										simultaneous effect of evacuated
evacuated tube collectors										tube collectors coupled with
coupled with parabolic										parabolic reflectors on traditional
reflectors on traditional										single slope solar still efficiency.
single slope solar still	4.75		07	0.04	0.00	_				Case Studies in Thermal
efficiency	1.75	32	27	3.34	8.08	5	6	0	0	Engineering,49
										Naeem, M.M., Al-Sakkari, E.G.,
Single-stage waste oil										Boffito, D.C. and 3 more ()
conversion into biodiesel										(2023).Single-stage waste oil
via sonication over bio-										conversion into biodiesel via
based bifunctional										sonication over bio-based
catalyst: Optimization,										bifunctional catalyst:
preliminary techno- economic and										Optimization, preliminary techno-economic and
environmental analysis	3.81	77	25	2.43	10.27	6	10	0	0	environmental analysis. Fuel,341
environmentat anatysis	3.01	//	25	2.43	10.27	0	10	U	0	Alhajri, I.H., Gadalla, M.A.,
										Abdelaziz, O.Y. and 1 more ()
										(2021).Retrofit of heat exchanger
Retrofit of heat exchanger										networks by graphical Pinch
networks by graphical										Analysis - A case study of a crude
Pinch Analysis - A case										oil refinery in Kuwait. Case
study of a crude oil refinery										Studies in Thermal
in Kuwait	3.26	76	25	1.87	11.25	14	14	0	0	Engineering,26
	0.20	,,,	20	2.07	11.20				-	Ahmed, A., Shanks, K.,
										Sundaram, S. and 1 more ()
										(2021).Energy and exergy
Energy and exergy										analyses of new cooling schemes
analyses of new cooling										based on a serpentine
schemes based on a										configuration for a high
serpentine configuration										concentrator photovoltaic
for a high concentrator										system. Applied Thermal
photovoltaic system	2.42	84	25	1.27	16.56	14	22	0	0	Engineering,199
	_		_							Elsakka, M.M., Ingham, D.B., Ma,
										L. and 3 more ()
Response Surface										(2022).Response Surface
Optimisation of Vertical										Optimisation of Vertical Axis
Axis Wind Turbine at low										Wind Turbine at low wind speeds.
wind speeds	2.91	93	24	1.31	18.28	10	22	0	0	Energy Reports,810868-10880
Numerical										Amin, I., Ali, M.E.A., Bayoumi, S.
hydrodynamics-based										and 4 more ()
design of an offshore										(2021).Numerical
platform to support a										hydrodynamics-based design of
desalination plant and a										an offshore platform to support a
wind turbine in Egypt	1.93	55	24	1.68	13.71	15	16	0	0	desalination plant and a wind

										turbine in Egypt. Ocean Engineering,229
										Elhenawy, Y., Fouad, Y.,
Danfarrana a a a kusia af										
Performance analysis of										Marouani, H. and 1 more ()
reinforced epoxy										(2021).Performance analysis of
functionalized carbon										reinforced epoxy functionalized
nanotubes composites for										carbon nanotubes composites
vertical axis wind turbine										for vertical axis wind turbine
blade	2.5	69	24	1.28	15.57	15	22	0	0	blade. Polymers,13(3) 1-16
										Eladl, A.A., Basha, M.I.,
										ElDesouky, A.A. (2023).Techno-
										economic multi-objective
Techno-economic multi-										reactive power planning in
objective reactive power										integrated wind power system
planning in integrated wind										with improving voltage stability.
power system with										Electric Power Systems
improving voltage stability	1.47	42	24	2.26	10.63	6	11	0	0	Research,214
										Ismail, R.M., Megahed, N.A.,
										Eltarabily, S. (2022).Numerical
										investigation of the indoor
Numerical investigation of										thermal behaviour based on
the indoor thermal										PCMs in a hot climate.
behaviour based on PCMs										Architectural Science
in a hot climate	1.46	44	23	2.92	7.86	11	7	0	0	Review,65(3) 196-216
										Elwakeel, K.Z., Elgarahy, A.M.,
										Alghamdi, H.M. and 1 more ()
										(2023).Recycling of catering
Recycling of catering										waste for sequential production
waste for sequential										of biohydrogen and biomethane;
production of biohydrogen										pre-treatments, batch, and
and biomethane; pre-										continuous mode studies.
treatments, batch, and										Journal of Environmental
continuous mode studies	1.47	34	23	2.24	10.27	6	11	0	0	Chemical Engineering, 11(5)
continuous mode studies	1.47	34	23	2.24	10.27	0	- 11	0	0	Hammad, A., Anzai, A., Zhu, X.
Photodeposition										and 6 more ()
Conditions of Silver										` '
Cocatalyst on Titanium										(2020).Photodeposition Conditions of Silver Cocatalyst
Oxide Photocatalyst										on Titanium Oxide Photocatalyst
Directing Product										Directing Product Selectivity in
Selectivity in										Photocatalytic Reduction of
Photocatalytic Reduction										Carbon Dioxide with Water.
of Carbon Dioxide with										Catalysis Letters, 150(4) 1081-
Water	1.33	49	22	0.61	21.49	20	41	0	0	1088
										Bourezgui, A., Al-Hossainy, A.F.,
										El Azab, I.H. and 5 more ()
										(2021).Combined experimental
Combined experimental										and TDDFT computations for the
and TDDFT computations										structural and optical properties
for the structural and										for poly (ortho phenylene
optical properties for poly										diamine) thin film with different
(ortho phenylene diamine)										surfactants. Journal of Materials
thin film with different										Science: Materials in
surfactants	1.91	36	22	1.6	12.52	16	17	0	0	Electronics,32(5) 5489-5503
										Abdel-Aziz, M.H., Zwawi, M., Al-
										Hossainy, A.F. and 1 more ()
										(2021).Conducting polymer thin
										film for optoelectronic devices
Conducting polymer thin										applications. Polymers for
film for optoelectronic										Advanced Technologies, 32(6)
devices applications	1.43	40	22	1.42	13.42	16	20	0	0	2588-2596
Optoelectronic and	1.40	40	22	1.42	10.42	10	20	<u> </u>		Abid, A., Haneef, M., Ali, S. and 1
photocatalytic properties							1	ĺ		more () (2022).Optoelectronic
of GaN, GeS and SiS	0.54	12	22	1.51	14.62	11	19	0	0	and photocatalytic properties of
	0.54	12	22	1.51	14.62	11	19	1 0	1 0	and photocatalytic properties of

heterostructures											
Automated Physics and Chemistry of Solidis, 21 Counting Mass, Al-Hossiny, A.F.											GaN, GeS and SiS monolayers
Physical properties of Randon properties of the termotectic applications; ADF study 0.58 13 22 1.56 13.43 11 18 0 0 Semiconduct of properties of the temotectic applications; ADF study 0.58 13 22 1.56 13.43 11 18 0 0 Semiconductor processing; all an image automonous groups particle swarm optimization algorithm algorithm algorithm and properties of the swarm particle swarm pelineration for PEMFC using automonous groups particle swarm pelinerations for personal for succession of the swarm personal for the s	heterostructures										and their vdW heterostructures.
Improvement of the Improvement of I											Journal of Physics and Chemistry
Improvement of the Improvement of Imp											of Solids, 161
Mahmout, S.A. and Z more ()											
Exercise Comparison Compa											
Improvement of the thermal stability and optical properties for poly (office poly (offi											
Department stability and projective for poly (ortho-pherylene diamine) using soft templates. Department of templates. Depar	1										
optical properties for poly (critical promise diamine) using soft templates 2, 53 66 22 1.19 12.57 20 23 0 0 0 Structure, 1221											
Centro phenylene diamine 2.53 86 22 1.19 12.57 20 23 0 0 0 Structure, 1221											
Using soft templates 2.53 66 22 1.19 12.57 20 23 0 0 Structure, 12.21											
Saffaz, S. A. Butt, M. K. and Smore () Physical properties of KGO3 compound for optoelectronic and thermoelectric applications: A DFT study of the properties of KGO3 compound for optoelectronic and thermoelectric applications: A DFT study of the properties of											templates. Journal of Molecular
March Marc	using soft templates	2.53	66	22	1.19	12.57	20	23	0	0	Structure,1221
Physical properties of KaO3 compound for optoelectronic and thermoelectric applications: ADFT study											Sarfraz, S., Aldaghfag, S.A., Butt,
Physical properties of KaO3 compound for optoelectronic and thermoelectric applications: ADFT study											M.K. and 3 more ()
Physical properties of Kila Os compound for optoelectronic and optoelectronic and optoelectronic and optoelectronic and optoelectronic and optoelectronic and thermoelectric applications: A DFT study Markeria Science in applications: A DFT study whereas Science in applications: A DFT study (Applications: A DFT study Applications: A DFT study Application: Application: A DFT study Application: A DFT study Application: Application: A DFT study Application: A											
According to a protection and thermoelectric applications: A DFT study, Materials Science in applications: A DFT study (Materials Science in applications: A DFT study, Materials Science in application: A DFT study, Materials Science in application of the Material Science in ap	Physical properties of										
optoelectronic and themselectric applications: A DFT study											
thermoelectric applications; ADFT study 0.58 13 22 1.56 13.43 11 18 0 0 Semiconductor Processing; 148 Elfar, M-H, Favaz, M., Serry, A.S. and Smore () (2024) Optimal parameters identification for PEMFC using autonomous groups particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Emerging Bill 13-128 Elfar, M-H, Favaz, M., Serry, A.S. and Smore () (2024) Optimal parameters identification for PEMFC using autonomous groups particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy (Bill 13-128 Elfar, M-H, Favaz, M., Serry, A.S. and Smore () (2021) Apply autonomous groups particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy (Bill 13-128 Elfar, M-H, Favaz, M., Serry, A.S. A. Hossaliny, A.F. and Zmore () A.F. and Zmore											
Applications: A DFT study											
Elfar, M.H., Favazi, N., Serry, A.S. and 3 more () (2024). Optimal parameters identification for PEMFC using autonomous groups particle swarm optimization algorithm (International Journal of Hydrogen optimization algorithm) 1.83											
Optimal parameters of the control of	applications: A DFT study	0.58	13	22	1.56	13.43	11	18	0	0	
Optimal parameters identification for PEMC using autonomous groups particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Empty, Self 113-1128 Polypyrrole/functionalized multi-walled carbon nanotube composite for opticelectronic device application 0.95 26 22 1.12 15.17 16 26 0 0 Papers, 75 (2021), Physical characteristics of barium based cubic perovskites 1.7 26 22 1.29 13.22 16 22 0 0 Chemical Physics Letters, 779 One-dimensional temary conducting polymers blend with 9.26% power conversion efficiency for photovoltatic devices applications 1.05 27 21 2.51 8.36 7 9 9 0 0 Englerering Journal, 56475-488 Englerering, Valurand, Valura											Elfar, M.H., Fawzi, M., Serry, A.S.
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Optimal parameters identification for PEMFC using autonomous groups particle swarm optimization algorithm particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.83 28 28 22 3.45 6.38 3 6 0 0 0 Energy Particle Swarm optimization algorithm 1.84 28 28 28 28 28 28 28 28 28 28 28 28 28											
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Polypyrrole/functionalized multi-walled carbon nanotube composite for optoelectronic device application 0.95 26 22 1.12 15.17 16 26 0 0 Papers,75(12) 6675-6889 Physical characteristics of barium based cubic perovskites 1.17 26 22 1.29 13.22 16 22 0 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 1.29 13.22 16 22 0 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 1.29 13.22 16 22 0 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 1.29 13.22 16 22 0 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 0 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 1.29 13.22 16 22 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical Characteristics of barium based cubic perovskites 1.17 26 22 0 Chemical Physical	optimization algorithm	1.83	28	22	3.45	6.38	3	6	0	U	
Polypyrrole/functionalized multi-walled carbon nanotube composite for optoelectronic device application 0.95 26 22 1.12 15.17 16 26 0 0 0 Papers, 75(12) 6575-6589 Spaloor, F., Aldaghfag, S.A., Yaseen, M. and 6 more () Physical characteristics of barium based cubic peroxisties of barium based cubic peroxisti											
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Application 0.95 26 22 1.12 15.17 16 26 0 0 Papers,75(12) 6575-6589	optoelectronic device										device application, Chemical
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conversion efficiency for photovoltaic devices applications. Alexandria applications 1.05 27 21 2.51 8.36 7 9 0 0 Engineering Journal, 64675-488 Elhenawy, Y., Bassyouni, M.,	conducting polymers										conducting polymers blend with
conversion efficiency for photovoltaic devices applications. Alexandria applications 1.05 27 21 2.51 8.36 7 9 0 0 Engineering Journal, 64675-488 Elhenawy, Y., Bassyouni, M.,											
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Ethenawy, Y., Bassyouni, M.,		1.05	27	21	2 51	8 36	7	٥	_	١ ،	
	аррисацииз	1.03	21	21	2.01	0.30	,	-	-	-	
											Fouad, K. and 3 more ()
Experimental and (2023).Experimental and											
numerical simulation of numerical simulation of numerical simulation of solar	numerical simulation of										numerical simulation of solar
solar membrane membrane membrane distillation and	solar membrane										membrane distillation and
distillation and humidification – humidification –	distillation and										humidification -
humidification – dehumidification water	humidification -										dehumidification water
dehumidification water desalination system. Renewable											I .
desalination system 3.08 98 21 1.35 15.56 7 21 0 0 Energy,215		3.08	98	21	1.35	15.56	7	21	n	n	
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Bassyouni, M. and 2 more ()		İ									
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(2024).Yield and energy outputs		1									
Yield and energy outputs (2024). Yield and energy outputs analysis of sawdust biomass	analysis of sawdust										
(2024).Yield and energy outputs											

						1	Ι			L Northwest III British O. Zuli EW
										Nashaat, H., Refaat, O., Zaki, F.W.
B										and 1 more () (2020).Dragonfly-
Dragonfly-Based Joint										Based Joint Delay/Energy LTE
Delay/Energy LTE Downlink										Downlink Scheduling Algorithm.
Scheduling Algorithm	0.39	12	21	1.15	12.2	21	24	0	0	IEEE Access,835392-35402
										Yosry, A.G., Álvarez, E.Á., Valdés,
										R.E. and 2 more ()
Experimental and										(2023).Experimental and
multiphase modeling of										multiphase modeling of small
small vertical-axis										vertical-axis hydrokinetic turbine
hydrokinetic turbine with										with free-surface variations.
free-surface variations	1.76	56	21	1.35	15.56	7	21	0	0	Renewable Energy,203788-801
										Umar, Y., Velasco, O., Abdelaziz,
										O.Y. and 4 more () (2022).A
A renewable lignin-derived										renewable lignin-derived bio-oil
bio-oil for boosting the										for boosting the oxidation
oxidation stability of										stability of biodiesel. Renewable
	4.04	00		0.00	00.57	40				
biodiesel	1.31	60	20	0.89	22.57	13	32	2	0	Energy,182867-878
										Elsakka, M.M., Ingham, D.B., Ma,
										L. and 1 more ()
										(2021).Comparison of the
Comparison of the										Computational Fluid Dynamics
Computational Fluid										Predictions of Vertical Axis Wind
Dynamics Predictions of										Turbine Performance Against
										Detailed Pressure
Vertical Axis Wind Turbine										
Performance Against										Measurements. International
Detailed Pressure										Journal of Renewable Energy
Measurements	1.89	69	20	1	19.06	18	29	0	0	Research,11(1) 276-293
										Zoromba, M.S., Maddah, H.A.,
										Abdel-Aziz, M.H. and 1 more ()
										(2022).Physical structure, TD-
										DFT computations, and optical
DI COLLEGE TO DET										
Physical structure, TD-DFT										properties of hybrid
computations, and optical										nanocomposite thin film as
properties of hybrid										optoelectronic devices. Journal
nanocomposite thin film										of Industrial and Engineering
as optoelectronic devices	1.04	25	20	1.4	14.34	13	20	0	0	Chemistry, 112106-124
										Kulikova, Y., Klementev, S.,
										Sirotkin, A. and 5 more ()
										(2023).Aqueous Phase from
A										
Aqueous Phase from										Hydrothermal Liquefaction:
Hydrothermal										Composition and Toxicity
Liquefaction: Composition										Assessment. Water
and Toxicity Assessment	2.85	57	20	2.7	7.4	8	8	0	0	(Switzerland), 15(9)
										Attar, A., Alharthy, R.D., Zwawi,
										M. and 6 more ()
										(2022).Fabrication,
Fabrication,										
										characterization, TD-DFT, optical
characterization, TD-DFT,										and electrical properties of poly
optical and electrical										(aniline-co-para
properties of poly (aniline-										nitroaniline)/ZrO2 composite for
co-para nitroaniline)/ZrO2										solar cell applications. Journal of
composite for solar cell										Industrial and Engineering
applications	1.91	46	20	1.4	14.34	13	20	0	0	Chemistry,109230-244
аррассасто	1.01	.5		2.7	2.110-7	20		<u> </u>	 	Salama, A.M., Helmy, E.A., Abd
Niekal Coda									1	
Nickel Oxide									I	El-ghany, T.M. and 1 more ()
Nanoparticles Application									I	(2021).Nickel Oxide
for Enhancing Biogas									1	Nanoparticles Application for
Production Using Certain									I	Enhancing Biogas Production
Wastewater Bacteria and									I	Using Certain Wastewater
									I	Bacteria and Aquatic
Aduatic Macrophytes 1										
Aquatic Macrophytes Biomass	0.72	43	20	0.62	22.41	18	42	0	0	Macrophytes Biomass. Waste

										and Biomass Valorization, 12(4)
										2059-2070
										Badawy, N.M., Hosam Salah,
										E.S., Waseef, A.A.E.
Relevance of										(2022).Relevance of
monocrystalline and thin-										monocrystalline and thin-film
film technologies in										technologies in implementing
implementing efficient										efficient grid-connected
grid-connected										photovoltaic systems in historic
photovoltaic systems in										buildings in Port Fouad city,
historic buildings in Port										Egypt. Alexandria Engineering
Fouad city, Egypt	4.35	110	19	1.77	10.75	14	15	0	0	Journal,61(12) 12229-12246
										Afify, M.S., Elkamash, I.S.,
										Shihab, M. and 1 more ()
										(2021).Evolution of ion-acoustic
Evolution of ion-acoustic										soliton waves in Venus's
soliton waves in Venus's										ionosphere permeated by the
ionosphere permeated by										solar wind. Advances in Space
the solar wind	0.89	14	18	1.41	12.08	20	20	0	0	Research,67(12) 4110-4120
the detail White	0.00			22	12.00	20	20		<u> </u>	Bassam, A.M., Amin, I.,
										Mohamed, A. and 6 more ()
										(2023).Conceptual design of a
Conceptual design of a										novel partially floating
novel partially floating										photovoltaic integrated with
' '										
photovoltaic integrated										smart energy storage and
with smart energy storage										management system for Egyptian
and management system										North Lakes. Ocean
for Egyptian North Lakes	2.23	51	18	1.82	9.9	9	15	0	0	Engineering,279
										Sobhy, A., Lei, D. (2021).Model-
										assisted active disturbance
Model-assisted active										rejection controller for maximum
disturbance rejection										efficiency schemes of DFIG-
controller for maximum										based wind turbines.
efficiency schemes of										International Transactions on
DFIG-based wind turbines	0.51	14	17	1	13.05	21	29	0	0	Electrical Energy Systems,31(11)
										Ibrahim, A., El-Kenawy, ES.M.,
										Eid, M.M. and 8 more ()
A Recommendation										(2023).A Recommendation
System for Electric										System for Electric Vehicles
Vehicles Users Based on										Users Based on Restricted
Restricted Boltzmann										Boltzmann Machine and
Machine and WaterWheel										WaterWheel Plant Algorithms.
Plant Algorithms	1.96	44	17	1.79	9.48	10	15	0	0	IEEE Access,11145111-145136
3,5							-			Elhenawy, Y., Moustafa, G.H.,
										Abdel-Hamid, S.M.S. and 2 more
										() (2022).Experimental
Experimental investigation										investigation of two novel
of two novel arrangements										arrangements of air gap
of air gap membrane										membrane distillation module
distillation module with										with heat recovery. Energy
heat recovery	2.35	75	17	0.93	18.28	16	31	0	0	Reports,88563-8573
neacrecovery	2.35	/5	1/	0.93	10.28	16	31	U	-	
									ĺ	Osman, M.H., Ahmed, M.K.,
									ĺ	Refaat, A. and 1 more ()
									1	(2021).A Comparative Study of
									1	MPPT for PV System Based on
									1	Modified Perturbation
									1	Observation Method.
									1	Proceedings of the 2021 IEEE
A Comparative Study of									1	Conference of Russian Young
MPPT for PV System Based									ĺ	Researchers in Electrical and
on Modified Perturbation									ĺ	Electronic Engineering, ElConRus
Observation Method	2.97	32	17	5.95	2.52	21	2	0	0	2021,1023-1026

										Aly, K.A., Saddeek, Y.B., Dahshan,
Optical constants of										A. (2020). Optical constants of
ternary										ternary Cux(Ge30Se70)100-x
Cux(Ge30Se70)100-x thin										thin films for solar cell
films for solar cell										applications. Optical
applications	0.93	22	16	1.15	12.16	27	24	0	0	Materials,109
иррисциона	0.50			1.10	12.10		2-7			Mukhtar, S., Muhammad, S.,
										1 1 1
Enviro-economic and										Alyousef, H.A. and 3 more ()
optimal hybrid energy										(2024).Enviro-economic and
system: Photovoltaic-										optimal hybrid energy system:
biogas-hydro-battery										Photovoltaic-biogas-hydro-
system in rural areas of										battery system in rural areas of
Pakistan	1.03	16	16	3.16	5.06	4	7	0	0	Pakistan. Heliyon, 10(16)
										Elsedimy, E.I., Algarni, F.
										(2021).Toward Enhancing the
Taurand Cabanaine Aba										
Toward Enhancing the										Energy Efficiency and Minimizing
Energy Efficiency and										the SLA Violations in Cloud Data
Minimizing the SLA										Centers. Applied Computational
Violations in Cloud Data										Intelligence and Soft
Centers	0.78	21	16	1.07	13.98	23	27	0	0	Computing, 2021
										Elnaghi, B.E., Dessouki, M.E.,
										Abd-Alwahab, M.N. and 1 more
										() (2020).Development and
Development and										implementation of two-stage
implementation of two-										boost converter for single-phase
stage boost converter for										inverter without transformer for
single-phase inverter										PV systems. International Journal
without transformer for PV										of Electrical and Computer
systems	0.87	22	16	0.8	12.53	27	34	0	0	Engineering, 10(1) 660-669
										El Azab, I.H., Gobouri, A.A.,
										Altalhi, T.A. and 10 more ()
Cunthonia										
Synthesis,										(2021).Synthesis,
characterization, DFT-										characterization, DFT-TDDFT
TDDFT calculations and										calculations and optical
optical properties of a										properties of a novel pyrazole-
novel pyrazole-1,2,3-										1,2,3-triazole hybrid thin film.
triazole hybrid thin film	2.46	44	16	1.17	12.81	23	24	0	0	Optik,247
Heuristic Approach for										Ismaeil, E.M.H., Sobaih, A.E.E.
Net-Zero Energy										(2023).Heuristic Approach for
Residential Buildings in										Net-Zero Energy Residential
Arid Region Using Dual										Buildings in Arid Region Using
Renewable Energy										Dual Renewable Energy Sources.
Sources	1.48	43	16	1.9	8.41	11	14	0	0	Buildings,13(3)
										Osman, A.I., Mehta, N., Elgarahy,
Correction to: Hydrogen										A.M. and 4 more ()
production, storage,										(2022).Correction to: Hydrogen
utilisation and										production, storage, utilisation
environmental impacts: a										and environmental impacts: a
review (Environmental										review (Environmental Chemistry
Chemistry Letters, (2022),										Letters, (2022), 20, 1, (153-188),
20, 1, (153-188),										10.1007/s10311-021-01322-8).
10.1007/s10311-021-										Environmental Chemistry
01322-8)	4.36	79	16	18.5	0.86	17	1	0	0	Letters,20(3)
Enhancing Healing										Ismaeil, E.M.H., Sobaih, A.E.E.
Environment and										(2022).Enhancing Healing
Sustainable Finishing										Environment and Sustainable
Materials in Healthcare										Finishing Materials in Healthcare
	0.01	404	40	1	11.0			1	0	
Buildings	3.21	101	16	1.42	11.3	17	20	0	0	Buildings. Buildings, 12(10)
Aspen Plus simulation of a				1						Shalaby, S.M., Gadalla, M.A., El
low capacity organic				İ						Sayed, A.R. and 2 more ()
Rankine cycle heated by				İ						(2022). Aspen Plus simulation of
solar energy	1.41	51	15	0.82	18.28	18	35	0	0	a low capacity organic Rankine

	T.	1					T			
										cycle heated by solar energy.
										Energy Reports,8416-421
										Salem, A.A., ElDesouky, A.A.,
No										Alaboudy, A.H.K. (2022).New
New analytical										analytical assessment for fast
assessment for fast and complete pre-fault										and complete pre-fault restoration of grid-connected
restoration of grid-										FSWTs with fuzzy-logic pitch-
connected FSWTs with										angle controller. International
fuzzy-logic pitch-angle										Journal of Electrical Power and
controller	1.05	34	15	0.99	15.08	18	29	0	0	Energy Systems, 136
55111151151	2.00	Ŭ.	20	0.00	20.00	10	25		<u> </u>	Salem, S., Moslem, W.M., Lazar,
										M. and 3 more ()
										(2020).lonospheric losses of
										Venus in the solar wind.
Ionospheric losses of										Advances in Space
Venus in the solar wind	1.26	25	15	0.95	12.57	28	29	0	0	Research,65(1) 129-137
										El-Qelish, M., Elgarahy, A.M.,
Multi-functional core-shell										Ibrahim, H.S. and 3 more ()
pomegranate peel										(2023).Multi-functional core-
amended alginate beads										shell pomegranate peel amended
for phenol										alginate beads for phenol
decontamination and bio-										decontamination and bio-
hydrogen production:										hydrogen production: Synthesis,
Synthesis,										characterization, and kinetics
characterization, and	0.40		45	4.5	40.00		40			investigation. Biochemical
kinetics investigation	2.43	55	15	1.5	10.02	11	19	0	0	Engineering Journal, 195
										Ahmed, A., Alzahrani, M., Shanks, K. and 2 more () (2020).Effect
Effect of using an infrared										of using an infrared filter on the
filter on the performance										performance of a silicon solar
of a silicon solar cell for an										cell for an ultra-high concentrator
ultra-high concentrator										photovoltaic system. Materials
photovoltaic system	2.02	61	15	0.9	13.39	28	31	0	0	Letters,277
										Abohashish, S.M.M., Rizk, R.Y.,
										Elsedimy, E.I. (2023).Trajectory
										optimization for UAV-assisted
Trajectory optimization for										relay over 5G networks based on
UAV-assisted relay over 5G										reinforcement learning
networks based on										framework. Eurasip Journal on
reinforcement learning										Wireless Communications and
framework	0.94	37	15	0.55	27.38	11	45	1	0	Networking,2023(1)
										Talib Naser, A., Khairullah
										Mohammed, K., Fadilah Ab Aziz, N. and 3 more () (2024). A fast-
A fast-tracking MPPT-										tracking MPPT-based modified
based modified coot										coot optimization algorithm for
optimization algorithm for										PV systems under partial shading
PV systems under partial										conditions. Ain Shams
shading conditions	0.67	11	15	3.13	4.79	5	7	0	0	Engineering Journal, 15(10)
<u> </u>										Elbeltagi, E., Wefki, H., Khallaf, R.
Sustainable Building										(2023).Sustainable Building
Optimization Model for										Optimization Model for Early-
Early-Stage Design	2.61	76	15	1.78	8.41	11	15	0	0	Stage Design. Buildings, 13(1)
										AbdelMeguid, H., GHERISSI, A.,
										Elsawy, M. and 4 more ()
										(2024).Potential application of
Potential application of										solar still desalination in NEOM
solar still desalination in				_						region. Applied Water
NEOM region	2.25	27	15	3.69	4.06	5	6	0	0	Science,14(3)
Implementation of									1	ElDesouky, A.A., Reyad, E.M.,
boolean PSO for service	0.74	20	4.4	0.00	10.01	20		_	_	Mahmoud, G.A.
restoration using	0.74	30	14	0.32	18.91	30	57	0	0	(2020).Implementation of

distribution network										boolean PSO for service
reconfiguration										restoration using distribution
simultaneously with										network reconfiguration
distributed energy										simultaneously with distributed
resources and capacitor										energy resources and capacitor
banks										banks. International Journal of
										Renewable Energy
										Research, 10(1) 354-365
										Elminshawy, N.A.S., Osama, A.,
										Elbaksawi, O. and 2 more ()
Energetic, environmental										(2024).Energetic, environmental
and economic (3E)										and economic (3E) analysis of a
analysis of a CSA										CSA algorithm optimized
algorithm optimized										floatovoltaic system integrated
floatovoltaic system										with heat sink: Modeling with
integrated with heat sink:										experimental validation.
Modeling with										Engineering Analysis with
experimental validation	3.7	38	14	4.97	2.82	5	4	0	0	Boundary Elements, 159384-401
одреннения ганация	0.7				2.02					Elhenawy, Y., Fouad, K., Mansi, A.
										and 4 more ()
										(2024).Experimental analysis
										and numerical simulation of
										biomass pyrolysis. Journal of
Experimental analysis and										Thermal Analysis and
numerical simulation of										Calorimetry,149(19) 10369-
biomass pyrolysis	5.16	60	14	3.49	4.01	5	6	0	0	10383
bioiliass pyrotysis	5.10	00	14	3.49	4.01	3	0	0	0	Elminshawy, N.A.S., Ahmed, A.,
										Osama, A. and 2 more ()
										(2024).The potential of optimized
The make a sign of a satisfactor of										
The potential of optimized										floating photovoltaic system for
floating photovoltaic										energy production in the
system for energy										Northern Lakes of Egypt.
production in the Northern	7.10		4.4	4.07	2.82	5			0	Engineering Analysis with
Lakes of Egypt	7.19	68	14	4.97	2.82	5	4	0	U	Boundary Elements,161226-246
0										Almutlaq, N., Al-Hossainy, A.F.,
Combined experimental										Zoromba, M.S. (2021).Combined
and theoretical study,										experimental and theoretical
characterization, and										study, characterization, and
nonlinear optical										nonlinear optical properties of
properties of doped-poly										doped-poly (p-nitroaniline -co- o-
(p-nitroaniline -co- o-	4.07		4.4	4.40	40.40	0.5				aminophenol) thin films. Journal
aminophenol) thin films	1.27	31	14	1.12	12.48	25	26	0	0	of Molecular Structure,1227
										Yassen, Y.E.S., Abdelhameed,
										A.S., Elshorbagy, K.A. (2023).An
An examination of hub										examination of hub wind turbine
wind turbine utilizing fluid-										utilizing fluid-structure
structure interaction										interaction strategy. Alexandria
strategy	0.83	22	13	1.56	8.36	14	18	0	0	Engineering Journal,641-11
1										Zoromba, M.S., Al-Hossainy, A.F.,
Facile synthesis of single-										Rzaigui, M. and 4 more ()
crystal of o-phenylene										(2021).Facile synthesis of single-
diamine dihydrochloride										crystal of o-phenylene diamine
as a polychloride and										dihydrochloride as a polychloride
fabrication of high-										and fabrication of high-
performance										performance semiconductor thin
semiconductor thin film	1.95	40	13	1.07	12.12	27	27	0	0	film. Optical Materials,112
										Shehata, A.O., Hassan, A.M.,
										Shahda, M.M. and 1 more ()
										(2024).Green retrofitting of
										heritage buildings based on (3Ts)
Green retrofitting of										
heritage buildings based										framework: An applied case
	5.84	78	13	5.75	2.26	6	3	0	0	framework: An applied case study. Frontiers of Architectural Research,13(4) 776-798

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										Abouzeid, A.F., Eleraky, H., Kalas,
Experimental validation of										A. and 3 more () (2024).Experimental validation of
a low-cost maximum										a low-cost maximum power point
power point tracking										tracking technique based on
technique based on										artificial neural network for
artificial neural network for										photovoltaic systems. Scientific
photovoltaic systems	2.5	39	13	2.57	5.06	6	10	0	0	Reports,14(1)
photovoltale systems	2.0	00	10	2.07	0.00		10	•		Ugwu, J., Odo, K.C., Ohanu, C.P.
										and 2 more ()
Comprehensive Review of										(2023).Comprehensive Review of
Renewable Energy										Renewable Energy
Communication Modeling										Communication Modeling for
for Smart Systems	0.97	44	13	0.43	30.3	14	51	0	0	Smart Systems. Energies, 16(1)
			-					-	-	Elbaksawi, O., Elminshawy,
										N.A.S., Diab, S. and 3 more ()
										(2024).Innovative metaheuristic
										algorithm with comparative
Innovative metaheuristic										analysis of MPPT for 5.5 kW
algorithm with										floating photovoltaic system.
comparative analysis of										Process Safety and
MPPT for 5.5 kW floating										Environmental
photovoltaic system	1.81	31	13	2.12	6.13	6	13	0	0	Protection,1851072-1088
										Sherif, N., Gadalla, M., Kamel, D.
										(2021).Acid-hydrolysed furfural
Acid-hydrolysed furfural										production from rice straw bio-
production from rice straw										waste: Process synthesis,
bio-waste: Process										simulation, and optimisation.
synthesis, simulation, and	0.00	20	40		40.00		0.5			South African Journal of
optimisation	2.39	69	13	0.8	13.83	27	35	0	0	Chemical Engineering,3834-40
Halistia danima afanama.										Noaman, D.S., El-Ghafour, S.A.
Holistic design of energy-										(2024).Holistic design of energy-
efficient temporary houses: Meeting										efficient temporary houses: Meeting ventilation, heating,
ventilation, heating,										cooling, and lighting demands.
cooling, and lighting										Journal of Building
demands	3.01	55	13	2.7	4.82	6	9	0	0	Engineering,86
demande	5.01		10	2.7						Adam, A.M., Diab, A.K., El-Hadek,
										M.A. and 2 more ()
Electrical and										(2022).Electrical and
thermoelectrical										thermoelectrical properties of
properties of Bi2-xNaxTe3										Bi2-xNaxTe3 alloys. Journal of
alloys	1.61	36	13	1.03	12.62	21	28	0	0	Alloys and Compounds,920
										Hassan, A.M. (2023).Solar
Solar Chimney										Chimney Performance Driven Air
Performance Driven Air										Ventilation Promotion: An
Ventilation Promotion: An										Investigation of Various
Investigation of Various										Configuration Parameters.
Configuration Parameters	0.67	43	13	0.54	24.27	14	46	0	0	Buildings,13(11)
										Elsanabary, A., Mekhilef, S.,
										Seyedmahmoudian, M. and 1
A N 1 G'										more () (2024).A Novel Circuit
A Novel Circuit										Configuration for the Integration
Configuration for the										of Modular Multilevel Converter
Integration of Modular Multilevel Converter With										With Large-Scale Grid- Connected PV Systems. IEEE
Large-Scale Grid-										Transactions on Energy
Connected PV Systems	0.64	8	13	2.25	5.78	6	12	0	0	Conversion,39(1) 3-16
Connected FV Systems	0.04	0	13	2.25	5.76	6	12	0	0	Hegazy, H.H., Afzal, A.M.,
High-performance 2D/3D				ĺ						Dahshan, A. and 2 more ()
hybrid dimensional p-n				ĺ						(2022).High-performance 2D/3D
heterojunction solar cell				ĺ						hybrid dimensional p-n
with reduced	0.76	17	12	0.81	14.83	22	35	0	0	heterojunction solar cell with
	2.70									

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recombination rate by an										reduced recombination rate by
interfacial layer										an interfacial layer. Journal of
										Materials Chemistry C,10(40)
										14982-14992
										Abuhashish, M.N., Daoud, A.A.,
										Elfar, M.H. (2022).A Novel Model
										Predictive Speed Controller for
										PMSG in Wind Energy Systems.
A Novel Model Predictive										International Journal of
Speed Controller for PMSG										Renewable Energy
in Wind Energy Systems	1.11	34	12	0.64	18.63	22	42	0	0	Research,12(1) 170-180
										Salem, A.A., Eldesouky, A.A.,
										Farahat, A.A. and 1 more ()
New Analysis Framework										(2021). New Analysis Framework
of Lyapunov-Based										of Lyapunov-Based Stability for
Stability for Hybrid Wind										Hybrid Wind Farm Equipped with
Farm Equipped with FRT: A										FRT: A Case Study of Egyptian
Case Study of Egyptian										Grid Code. IEEE Access,980320-
Grid Code	0.26	7	12	0.82	13.48	29	34	0	0	80339
										Aslam, A., Ali, M.D., Aftab, Z.E.H.
										and 6 more () (2022). Electrical,
Electrical, dielectric, I-V										dielectric, I-V and antimicrobial
and antimicrobial behavior										behavior of cobalt incapacitated
of cobalt incapacitated										Prussian blue graphene ferrites
Prussian blue graphene	0.04	40	40	4.00	44.00					composite. Inorganic Chemistry
ferrites composite	0.84	16	12	1.06	11.28	22	28	0	0	Communications,141
										Alzahrani, M., Ahmed, A., Shanks,
										K. and 2 more () (2020).Optical
Optical losses and										losses and durability of flawed
durability of flawed Fresnel										Fresnel lenses for concentrated
lenses for concentrated										photovoltaic application.
photovoltaic application	1.59	43	11	0.67	13.39	35	38	0	0	Materials Letters,275
priotovottaic application	1.55	40	11	0.07	10.00	33	30	0	· ·	El- Mallah, H.M., Abd- El Salam,
										1
										M., ELesh, E. and 1 more ()
Thermal annealing effect										(2020).Thermal annealing effect
on the structural and										on the structural and optical
optical characteristics of										characteristics of silicon
silicon phthalocyanine										phthalocyanine dichloride thin
dichloride thin films	1.99	47	11	0.8	12.56	35	34	0	0	films. Optik,200
										Tolba, L.E., El Mokadem, A.A.,
										Badawy, N. and 1 more ()
A retrofitting framework for										(2023).A retrofitting framework
ů i										1 ' '
improving curtain wall										for improving curtain wall
performance by the										performance by the integration of
integration of adaptive										adaptive technologies. Journal of
technologies	4.94	131	11	1.22	9.05	16	24	0	0	Building Engineering,80
										Alzahrani, M., Ahmed, A., Shanks,
										K. and 2 more () (2021).Optical
Optical component										component analysis for ultrahigh
analysis for ultrahigh										concentrated photovoltaic
concentrated photovoltaic										system (UHCPV). Solar
system (UHCPV)	2.34	77	11	0.4	20.23	31	54	0	0	Energy,227321-333
										Osman, M.H., Seify, M.A.E.,
										Ahmed, M.K. and 2 more ()
										(2022). Highly Efficient MPP
Highly Efficient MPP										Tracker Based on Adaptive
Tracker Based on Adaptive										Neuro-fuzzy Inference System for
Neuro-fuzzy Inference										Stand-Alone Photovoltaic
System for Stand-Alone										Generator System. International
Photovoltaic Generator										Journal of Renewable Energy
System	0.72	22	11	0.59	18.63	24	44	0	0	Research,12(1) 209-217
Internal Power Balancing										Elsanabary, A., Mekhilef, S.,
of an MMC-Based Large-	0.96	12	11	1.9	5.78	7	15	0	0	Fadilah Ab Aziz, N.
Baooa Laigo	0.00	1	-11	1.0	5.70					. danam no neizj Mi

Scale PV System Under										(2024).Internal Power Balancing
Unbalanced Voltage Sags										of an MMC-Based Large-Scale PV
										System Under Unbalanced
										Voltage Sags. IEEE Journal of
										Emerging and Selected Topics in
										Power Electronics, 12(4) 3729-
										3739
										Boukhris, I., Kebaili, I., Neffati, R.
										and 1 more () (2020).Effect of
										(SbS) addition on the physical
Effect of (SbS) addition on										properties of quaternary
the physical properties of										(CdTe)100-x(SbS)x (0 ≤ x ≤ 28 at.
quaternary (CdTe)100-										%) glasses and band gap
x(SbS)x (0 ≤ x ≤ 28 at. %)										engineering. Applied Physics A:
glasses and band gap										Materials Science and
	0.05	12		0.40	10.40	35	47			
engineering	0.35	12	11	0.49	18.42	35	47	0	0	Processing, 126(7)
										Elsakka, M.M., Ingham, D.B., Ma,
										L. and 1 more () (2020).Effects
										of turbulence modelling on the
										predictions of the pressure
										distribution around the wing of a
										small scale vertical axis wind
										turbine. Proceedings of the 6th
										European Conference on
Effects of turbulence										Computational Mechanics:
modelling on the										Solids, Structures and Coupled
predictions of the pressure										Problems, ECCM 2018 and 7th
distribution around the										European Conference on
wing of a small scale										Computational Fluid Dynamics,
vertical axis wind turbine	5.09	71	11	4.04	1.98	35	4	0	0	ECFD 2018,3921-3931
verticut uxis wind turbine	0.00	/1		4.04	1.00	- 00	-	-	-	Chand, S., Dahshan, A., Thakur,
										N. and 2 more () (2020).Alloyed
Alloyed Ag2SexS1-x										Ag2SexS1-x quantum dots with
quantum dots with red to										red to NIR shift: The band gap
NIR shift: The band gap										tuning with dopant content for
tuning with dopant content										energy harvesting applications.
for energy harvesting										Infrared Physics and
applications	3.46	75	11	0.75	11.93	35	35	1	0	Technology,105
										Bebboukha, A., Chouaib, L.,
										Meneceur, R. and 6 more ()
A reduced vector model										(2024).A reduced vector model
predictive controller for a										predictive controller for a three-
three-level neutral point										level neutral point clamped
clamped inverter with										inverter with common-mode
common-mode voltage										voltage suppression. Scientific
suppression	2.69	42	11	2.17	5.06	7	13	0	0	Reports,14(1)
2277.300.011				_,_,	2,00	· ·	10	 	<u> </u>	Eshra, N.M., Amin, I.
										(2020). Hybrid Floating Power
Hybrid Floating Passes										Station driven by Renewable
Hybrid Floating Power										Energy for Saudi Arabia Coastal
Station driven by										Areas. 2nd International
Renewable Energy for										Conference on Electrical,
Saudi Arabia Coastal	_									Communication and Computer
Areas	2.72	38	11	1.24	4.84	35	22	0	0	Engineering, ICECCE 2020,
										Ahmed, A., Elsakka, M.,
										Elminshawy, N. and 2 more ()
Recent Advances in										(2023).Recent Advances in
Floating Photovoltaic										Floating Photovoltaic Systems.
Systems	2.75	86	11	0.4	27.49	16	53	0	0	Chemical Record,23(12)
Fabrication, carrier	_	İ	· ·		_		1		İ	El-Damhogi, D.G., El-Mallah,
transport mechanisms and							İ		ĺ	H.M., el-Salam, M.A. and 1 more
photovoltaic properties of							İ		ĺ	() (2020).Fabrication, carrier
Au/silicon phthalocyanine	1.36	32	11	0.56	12.56	35	44	0	0	transport mechanisms and
Auranicon primatocyanille	1.30	32	1 11	0.00	12.00	ან	44	1 0		uanaport mechaniania dilu

dichloride/p-Si/Al heterojunction device heteroj
dichloride/p-Si/Al heteroju device. Optical and Qu. Electronics Mansour, H., Abd ELF. E.M.F., Alrasheedi, N.F.H. more, L., (2022). Physical properties and DFT calculations of the hybrid organic polymeric ananocomposite thin film [P(An+o-Aph)+Glycine/TiO2/HNC With 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure Simulation of glass fiber reinforced polypropylene nanocomposites for small [C201]. Simulation of glass for nanocomposites for small in a composite for sma
device. Optical and Quelectronics Mansour, H., Abd El-E.M.F., Alrasheed, N.F.H. more () (2022).P Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An-to-Aph)+Glycine/TiO2/]HNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 Structur Simulation of glass fiber reinforced polypropylene nanocomposites for small Simulation of glass fiber reinforced polypropylene nanocomposites for small
Electronics Mansour, H., Abd El.F E.M.F., Alrashedi, N.F.H more () (2022).P Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o- Aph)+Glycine/Tio2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure Simulation of glass fiber reinforced polypropylene nanocomposites for small Simulation of glass fiber nanocomposites for small
Mansour, H., Abd ELF. E.M.F., Alrasheed, N.F.H more () (2022).P Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o- Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Elhenawy, Y., Fo Marouani, H. and 1 m Simulation of glass fiber reinforced polypropylene nanocomposites for small
Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/]HNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 Structure Simulation of glass fiber reinforced polypropylene nanocomposites for small
Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 O Structure of the hybrid organic polymeric nanocomposite thin film properties of the hybrid organic polymeric nanocomposite the hybrid organic po
Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glyciner/ITO2/JHNC Aph)+Glyciner/ITO2/JHNC Oronversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure Elhenawy, Y., For Marouani, H. and 1 mr. Simulation of glass fiber reinforced polypropylene nanocomposites for small
Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glyciner/ITO2/JHNC Aph)+Glyciner/ITO2/JHNC Oronversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 0 Structure Elhenawy, Y., For Marouani, H. and 1 mr. Simulation of glass fiber reinforced polypropylene nanocomposites for small
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nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/]HNC Aph)+Glycine/TiO2/]HNC with 7.42% power conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 Structur Elhenawy, Y, For Marouani, H. and 1 mr (2021). Simulation of glass fiber reinforced polypropylene nanocomposites for small
P(An+o-Aph)+Glycine/TiO2/JHNC
Aph)+Glycine/TiO2/JHNC with 7.42% power conversion efficiency. Journal of Mo conversion efficiency 1.4 28 11 0.92 11.99 24 32 0 0 Structure Elhenawy, Y., For Marouani, H. and 1 mr (2021), Simulation of glass fiber reinforced polypropylene nanocomposites for small nanocomposites for small
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Al-Hossainy, A.F., Zoromb
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co-o-aminophenol) film. Applied Physics A: Mi
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Abu-Zeid, M.AR., Elhen
Toderas, M. and 4 m
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Enhancement of Solar Still Using v-Corrugated
Unit Using v-Corrugated Internal Reflecting Mirro
Basin, Internal Reflecting Plate Solar Collect
Dashi, internal reflecting Mirror, Flat-Plate Solar Nanofluids, Sustai
Laghari, A.J., Aftab, U., Sha
and 10 more () (2023).5
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Surface modification of nanostructures using wide
Co304 nanostructures of natural compound
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compounds from rotten oxygen evolution re
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Experimental study on the more () (2021). Experi
motion response of an study on the motion resp
integrated floating an integrated f
desalination plant and desalination plant and o
offshore wind turbine on a wind turbine on a
non-ship platform 1.64 47 10 0.73 13.71 33 38 0 0 platform. Ocean Engineeri
104 47 10 0.73 13.71 33 36 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Marigonate, E., Fern
Wind-water experimental Jiménez, A. and 2 m
analysis of small sc-
darrieus turbine: An analysis of small sc-d
darrieus turbine: An approach for energy analysis of small sc-d turbine: An approach for energy
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										Azouz, R.A.M. and 2 more ()
										(2024).From seashells to
From seashells to										sustainable energy: Trailblazing
sustainable energy:										the utilization of Anadara
Trailblazing the utilization										uropigimelana shells for
of Anadara uropigimelana										sustainable biohydrogen
shells for sustainable										production from leftover cooking
biohydrogen production										oil. Journal of Environmental
from leftover cooking oil	2.61	40	10	1.85	5.41	8	16	0	0	Chemical Engineering, 12(2)
										El-Araby, E.E., Yorino, N. (2023).A
										demand side response scheme
A demand side response										for enhancing power system
scheme for enhancing										security in the presence of wind
power system security in										power. International Journal of
the presence of wind	4.00		10	0.04	10.00	40				Electrical Power and Energy
power	1.63	39	10	0.94	10.63	18	31	0	0	Systems,146
										Abid, A., Haneef, M., Ali, S. and 1
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phases of Janus										and 1T phases of Janus
monolayers and their van										monolayers and their van der
der Waals heterostructure										Waals heterostructure with black
with black phosphorene										phosphorene for optoelectronic
for optoelectronic and										and thermoelectric applications.
thermoelectric										Journal of Solid State
applications	1.25	25	9	0.74	12.18	29	38	0	0	Chemistry,311
арравальны	1120	20		0.7.1	12.10	20				Attar, A., Alharthy, R.D., Zwawi,
										M. and 6 more ()
Fabrication and										
										(2021).Fabrication and
characterization of										characterization of
polypyrrole/multi-walled										polypyrrole/multi-walled carbon
carbon nanotubes thin										nanotubes thin films using
films using thermal										thermal evaporation.
evaporation	1.29	36	9	0.26	15.57	36	63	0	0	Polymers,13(22)
										El-Damhogi, D.G., El-Shabaan,
										M.M., Abul-Nasr, K.T. and 2 more
										() (2023).Optoelectronic and
Optoelectronic and photo										photo response performance of
response performance of										n-tris phenylpyridinato iridium/p-
n-tris phenylpyridinato										Si heterojunction device for
iridium/p-Si										photovoltaic applications.
heterojunction device for										Chinese Journal of
photovoltaic applications	1.46	22	9	0.95	9.51	20	31	0	0	Physics,85660-673
priotovottale applications	1.40			0.00	0.01	20	01	•	-	Abdelghany, E.S., Sarhan, H.H.,
Ctudy the Effect of Miner										
Study the Effect of Winglet										Alahmadi, R. and 1 more ()
Height Length on the										(2023).Study the Effect of
Aerodynamic Performance										Winglet Height Length on the
of Horizontal Axis Wind										Aerodynamic Performance of
Turbines Using										Horizontal Axis Wind Turbines
Computational										Using Computational
Investigation	0.99	20	9	0.91	9.94	20	32	0	0	Investigation. Energies, 16(13)
										Elbaz, A., Elfar, M.H., Kalas, A.
										and 1 more () (2022). Maximum
										Power Extraction from Polymer
										Electrolyte Membrane (PEM) Fuel
Maximum Power										Cell Based on Deterministic
Extraction from Polymer										Particle Swarm Optimization
Electrolyte Membrane										Algorithm. Proceedings of the
(PEM) Fuel Cell Based on										2022 Conference of Russian
Deterministic Particle										Young Researchers in Electrical
Swarm Optimization				1				1		and Electronic Engineering,
Algorithm	3.73	33	9	2.92	3.08	29	7	0	0	ElConRus 2022,613-619

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										Hosny, M.M., Abdel-Aziz, M.H.,
										Zoromba, M.S. and 1 more ()
										(2024). Design and synthesis of high-performance polymer blend
Design and synthesis of										
Design and synthesis of										solar cell. Journal of Materials
high-performance polymer	0.50		0	4.55	F 04		10			Research and
blend solar cell	0.59	8	9	1.55	5.81	9	19	0	0	Technology,284199-4211
										Ayyad, A., Abbas, A., Elminshawy,
A simulation study of the										N. (2021).A simulation study of
effect of post-combustion										the effect of post-combustion
amine-based carbon-										amine-based carbon-capturing
capturing integrated with										integrated with solar thermal
solar thermal collectors										collectors for combined cycle
for combined cycle gas			_							gas power plant. Discover
power plant	0.29	18	8	0.45	13.35	38	51	0	0	Sustainability,2(1)
										Mogharbel, R.T., Al-Hossainy,
										A.F., Ibrahim, A. and 5 more ()
										(2022).Synthesis, structural and
Synthesis, structural and										optical characterizations of ZrO2-
optical characterizations										bromothymol blue
of ZrO2-bromothymol blue										nanocomposite thin-film
nanocomposite thin-film										[ZrO2+BTB]C and its application:
[ZrO2+BTB]C and its										experimental and TDD-DFT
application: experimental										computations. Journal of
and TDD-DFT										Materials Science: Materials in
computations	1.7	31	8	1.32	6.08	32	22	0	0	Electronics,33(26) 20556-20576
										Khalifa, AE., Refaat, A., Kalas, A.
										and 1 more () (2022).Two Bio-
										inspired MPPT Algorithms to
										Harvest the Maximum Power
										from Partially Shaded PV Arrays.
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Two Bio-inspired MPPT										Conference of Russian Young
Algorithms to Harvest the										Researchers in Electrical and
Maximum Power from										Electronic Engineering, ElConRus
Partially Shaded PV Arrays	1.69	15	8	2.6	3.08	32	9	0	0	2022,670-674
										Saeed, M.A., Ibrahim, A., El-
										Kenawy, ES.M. and 6 more ()
Forecasting wind power										(2023).Forecasting wind power
based on an improved al-										based on an improved al-Biruni
Biruni Earth radius										Earth radius metaheuristic
metaheuristic optimization										optimization algorithm. Frontiers
algorithm	1.03	27	8	0.71	11.26	22	39	0	0	in Energy Research,11
										El Genidy, M.M., Beheary, M.S.
Forecasting Methods in										(2022).Forecasting Methods in
Various Applications Using										Various Applications Using
Algorithm of Estimation										Algorithm of Estimation
Regression Models and										Regression Models and
Converting Data Sets into										Converting Data Sets into Markov
Markov Model	0.58	14	8	0.56	14.18	32	46	0	0	Model. Complexity, 2022
										Mohamed, M., Sherif, N.,
										Aboelazayem, O. and 3 more ()
										(2022).Waste Cooking Oil
Waste Cooking Oil										Management in Egypt:
Management in Egypt:										Production of Biodiesel-
Production of Biodiesel-										Development of Rapid Test
Development of Rapid Test										Method. Journal of Physics:
Method	1.83	26	8	4.98	1.61	32	3	0	0	Conference Series, 2305(1)
										Ahmed, A., Elsakka, M.,
Experimental investigation										Elhenawy, Y. and 5 more ()
of a nano coating							İ			(2024).Experimental
efficiency for dust										investigation of a nano coating
mitigation on photovoltaic	3.27	51	8	1.58	5.06	11	19	0	0	efficiency for dust mitigation on

panels in harsh climatic										photovoltaic panels in harsh
conditions										climatic conditions. Scientific
										Reports,14(1)
										Galal, A., Elgarahy, A.M., Haroun,
										B. and 3 more ()
										(2024).Enhanced biohydrogen
										production from thermally
Enhanced biohydrogen										hydrolysed pulp and paper
production from thermally										sludge via Al2O3 and Fe3O4
hydrolysed pulp and paper										nanoparticles. Chemical
sludge via Al2O3 and										Engineering Research and
Fe3O4 nanoparticles	3.74	49	8	1.27	6.28	11	23	0	0	Design,21082-96
										Reyad, H.W., Elfar, M., El-Araby,
Probabilistic Assessment										E.E. (2023).Probabilistic
of Available Transfer										Assessment of Available Transfer
Capability Incorporating										Capability Incorporating Load
Load and Wind Power										and Wind Power Uncertainties.
Uncertainties	0.8	18	8	0.84	9.48	22	34	0	0	IEEE Access,1139048-39065
										El-Denglawey, A., Dahshan, A.,
										Aly, K.A. and 1 more ()
										(2021).Elastic moduli and
Elastic moduli and										theoretical estimations of
theoretical estimations of										physical properties of Ge3Se7-
physical properties of										As2Te3. Current Applied
Ge3Se7-As2Te3	0.6	15	8	0.19	16.1	38	68	0	0	Physics,31214-220
										Abd El Maksoud, S., Fouda,
										A.E.A., Badawy, H.
Furosemide drug as a										(2024).Furosemide drug as a
corrosion inhibitor for										corrosion inhibitor for carbon
carbon steel in 1.0 M										steel in 1.0 M hydrochloric acid.
hydrochloric acid	2.12	33	8	1.58	5.06	11	19	0	0	Scientific Reports,14(1)
										Mansour, H., Abd El. Halium,
										E.M.F., Alrasheedi, N.F.H. and 2
										more () (2022).Combined
										experimental and TDDFT
Combined experimental										computational studies of the
and TDDFT computational										optical and electrical
studies of the optical and										characteristic of luminol films-
electrical characteristic of										doped TiO2 with 9.027% power
luminol films-doped TiO2										conversion efficiency. Journal of
with 9.027% power	4.00			4.00	0.00					Materials Science: Materials in
conversion efficiency	1.32	24	8	1.32	6.08	32	22	0	0	Electronics,33(8) 5244-5264
										Elmetwaly, A.H., Eldesouky, A.A.,
Immuning Day 100 and										Fekry, H.M. and 4 more ()
Improving Power Quality										(2023).Improving Power Quality
Problems of Isolated MG										Problems of Isolated MG Based
Based on ANN Under										on ANN Under Different
Different Operating										Operating Conditions Through
Conditions Through PMS and ASSC Integration	0.89	20	8	0.84	9.48	22	34	0	0	PMS and ASSC Integration. IEEE
and ASSC integration	0.89		8	0.84	9.48		34	0	"	Access,1199822-99835
										Imtiaz, T., Elsanabary, A., Mubin,
										M. and 2 more ()
										(2024). Enhancing Misalignment
Enhancing Misalignment										Tolerance Using Naturally Decoupled Identical Dual-
Tolerance Using Naturally										Transmitter-Dual-Receiver Coils
Decoupled Identical Dual-										for Wireless EV Charging System.
Transmitter-Dual-Receiver										IEEE Journal of Emerging and
Coils for Wireless EV										Selected Topics in Power
Charging System	0.72	9	7	1.21	5.78	13	25	0	0	Electronics, 12(5) 5337-5351
Effect of the decrease of	0.72	9	/	1.21	5.76	13	25	0		Ahmed, H., Jalil, A., Ilyas, S.Z.
Pb concentration on the										and 4 more () (2022).Effect of
properties of pentarnary	0.59	20	7	0.41	14.62	35	54	0	0	the decrease of Pb concentration
	. 0.09	. ∠∪	/	0.41	14.02	ა	. 34	. 0	. 0	LINE DECISES OF FU CONCENTRATION

mixed-halide perovskites										on the properties of pentarnary
CsPb8-xSnxlBr2 and										mixed-halide perovskites CsPb8-
CsPb8-xSnxl2Br (1≤x≤7)										xSnxlBr2 and CsPb8-xSnxl2Br
for solar-cell applications:										(1≤x≤7) for solar-cell
A DFT study										applications: A DFT study. Journal
										of Physics and Chemistry of
										Solids,161
										Ahmed, A., Alzahrani, M., Shanks,
										K. and 2 more ()
										(2022).Reliability and
Reliability and										temperature limits of the focal
temperature limits of the										spot of a primary optical
focal spot of a primary										component for an ultra-high
optical component for an										concentrated photovoltaic
ultra-high concentrated										system. AIP Conference
photovoltaic system	2.33	33	7	4.36	1.61	35	4	0	0	Proceedings,2550
										Elba, H., Hegazy, H., Zhang, J.
										and 3 more () (2024).Exploring
Exploring critical barriers										critical barriers towards the
towards the uptake of										uptake of renewable energy
renewable energy usage in										usage in Egypt. Innovative
Egypt	1.88	30	7	1.41	4.97	13	21	0	0	Infrastructure Solutions,9(7)
										Osama, A., Tina, G.M., Mannino,
										G. and 2 more ()
Experimental and										(2024).Experimental and
Numerical Performance										Numerical Performance
Assessment of East-West										Assessment of East-West Bifacial
Bifacial Photovoltaic										Photovoltaic Floating System in
Floating System in										Freshwater Basins. IEEE
Freshwater Basins	1.54	24	7	1.4	5.01	13	21	0	0	Access,12141425-141447
										Sobhy, A., Abo-Khalil, A.G., Lei, D.
										and 3 more () (2022).Coupling
Coupling DFIG-Based										DFIG-Based Wind Turbines with
Wind Turbines with the										the Grid under Voltage Imbalance
Grid under Voltage										Conditions. Sustainability
Imbalance Conditions	0.68	20	7	0.53	13.09	35	47	0	0	(Switzerland), 14(9)
										Masria, A., El-Adawy, A.,
										Eltarabily, M.G. (2021).Simulating
										mitigation scenarios for natural
Simulating mitigation										and artificial inlets closure
scenarios for natural and										through validated
artificial inlets closure										morphodynamic models.
through validated			_					_		Regional Studies in Marine
morphodynamic models	1.09	20	7	0.59	8.51	41	43	0	0	Science,47
										Gadalla, M.A., Abdel Fatah, A.,
										Elazab, H.A. (2023).A novel
1										renewable energy powered zero
A novel renewable energy										liquid discharge scheme for RO
powered zero liquid										desalination applications. Case
discharge scheme for RO			_					_	_	Studies in Chemical and
desalination applications	3.36	76	7	0.72	9.76	25	38	0	0	Environmental Engineering,8
										Abo-mousa, A.G., Kamel, D.A.,
										Elazab, H.A. and 2 more ()
										(2023).Graphical analysis and
Graphical analysis and										revamping of crude distillation
revamping of crude										units under variable operational
distillation units under										scenarios. Case Studies in
variable operational	1.00		_	0.01	0.70					Chemical and Environmental
scenarios	1.33	30	6	0.61	9.76	28	43	0	0	Engineering,8
Technical and economic										Ahmed, A.S. (2021).Technical
feasibility of the first wind										and economic feasibility of the
farm on the coast of	4.0:	0.7	_	0.55	40.0-	,-		_	_	first wind farm on the coast of
Mediterranean Sea	1.01	26	6	0.55	10.85	45	45	0	0	Mediterranean Sea. Ain Shams

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April											Engineering Journal, 12(2) 2145- 2151
Salva, B. (2012) Comprehensive Contribution of											
Competensive of blooders! Production Conditions on the Development of Superior Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Conditions on the Production Condition Condition Conditions on the Production Condition Condition Conditions on the Production Condition Condition Conditions on the Production Condition Cond											
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Impact of indium content on the thermodecate, and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and photoconductivity and analysis analysis and analysis analysis and analysis analysis analysis and analysis an											Znaidia, S., Kebaili, I., Boukhris, I.
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Impact of indiam content on the thermodictic power, aids conductivity, and photoconductivity of 0-A-6-12 tim fillers, Applied Pylicis A price Pylicis A py											
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A fuzzy-predictive current control with real-time hardware for PEM fuel cell Section 1, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20		0.04	01		0.07	10.40	40				
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Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities. Electric Power for grid system frequency and voltage regulation with fault ride-through capabilities. Electric Power Systems Research, 234	photovoltaic plant	2.06	35	6	1.04	5./5	15	28	0	0	
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design of a floating desalination platform (Case study: Reverse osmosis floating desalination platform (Case study: Reverse osmosis floating desalination platform of platform of ras gharib, Egypt). O.82 26 6 0.33 18.13 45 58 0 0 platform of ras gharib, Egypt). Advanced Maximum Advanced Maximum Adhesion Tracking Strategies in Railway Traction Drives 1.04 21 5 0.88 5.68 18 32 0 0 Electrification, 10(2) 3645-3660 Offshore wind power integration to support weak grid voltage for industrial loads using VSC-HVDC weak grid voltage for industrial loads using VSC-HVDC transmission of the platform of the study: Reverse osmosis floating desalination platform of ras gharib, Reverse osmosis floating desalination platform of platform of ras gharib, Reverse osmosis floating desalination platform of platform of ras gharib, Egypt). O											Bayoumi, S., Ali, M.E.A., Amin, I.
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Abouzeid, A.F., Guerrero, J.M., Lejarza-Lasuen, L. and 3 more () (2024)-Advanced Maximum Adhesion Tracking Strategies in Railway Traction Drives 1.04 21 5 0.88 5.68 18 32 0 0 18 18 32 0 0 18 18 18 18 18 18 18 18		0.00	26	6	0.22	10 12	45	E0	,		
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Dessouky, S.S. (2021).Offshore wind power wind power integration to support weak grid voltage for industrial loads using VSC-HVDC transmission with transmission wind power industrial to destinate the properties of the properties	Traction Drives	1.04	21	5	0.88	5.68	18	32	0	0	
Offshore wind power integration to support weak grid voltage for industrial loads using VSC-HVDC weak grid voltage for industrial to weak grid voltage for industrial to weak grid voltage for industrial to transmission system. International Journal of Electrical HVDC transmission and Computer Engineering, 11(3)											
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integration to support weak grid voltage for industrial loads using VSC- HVDC transmission International Journal of Electrical HVDC transmission and Computer Engineering, 11(3)	0001							1			
weak grid voltage for industrial loads using VSC-International Journal of Electrical HVDC transmission transm											
industrial loads using VSC- HVDC transmission International Journal of Electrical and Computer Engineering, 11(3)											
HVDC transmission and Computer Engineering, 11(3)								1			
								1			
		0.7	15	5	0.3	13.53	48	60	0	0	

										Fernández-Jiménez, A., Álvarez-
										álvarez, E., López, M. and 5 more
Power performance										() (2021).Power performance
assessment of vertical-										assessment of vertical-axis tidal
axis tidal turbines using an										turbines using an experimental
experimental test rig	1.48	40	5	0.36	13.77	48	56	0	0	test rig. Energies, 14(20)
, , , , , , ,			-					-	-	Fawzi, M., Abdelsalam, I.,
A Modified Phase Shift										Aboushady, A.A. and 1 more ()
Control of the Dual Active										(2022).A Modified Phase Shift
Bridge-Based Modular										Control of the Dual Active Bridge-
Power Electronic										Based Modular Power Electronic
Transformer to Minimize										Transformer to Minimize the LVdc
the LVdc Side Voltage										Side Voltage Ripples under
Ripples under Unbalanced										Unbalanced Load Conditions.
Load Conditions	0.67	15	5	0.38	13.21	42	56	0	0	IEEE Access,1081309-81322
Gamma radiation induced										Elesh, E., El Damhogi, D.G.,
variation in structure										Mohamed, Z. (2023).Gamma
formation and optical										radiation induced variation in
characteristics of										structure formation and optical
evaporated tris [2-										characteristics of evaporated tris
phenylpyridinato-										[2-phenylpyridinato-
C2,N]iridium(III) films										C2,N]iridium(III) films prepared
prepared by electron beam										by electron beam evaporator in
evaporator in photovoltaic										photovoltaic applications.
applications	1.62	20	5	0.76	6.56	32	37	0	0	Physica Scripta,98(3)
										Elnaghi, B.E., Abelwhab, M.N.,
										Mohammed, R.H. and 3 more ()
The Validation and										(2024).The Validation and
Implementation of the										Implementation of the Second-
Second-Order Adaptive										Order Adaptive Fuzzy Logic
Fuzzy Logic Controller of a										Controller of a Double-Fed
Double-Fed Induction										Induction Generator in an
Generator in an Oscillating										Oscillating Water Column.
Water Column	0.97	13	5	0.93	5.36	18	31	0	0	Electronics (Switzerland),13(2)
										Kulikova, Y., Ilinykh, G., Sliusar, N.
										and 2 more () (2024).Life cycle
										assessments of biofuel
Life cycle assessments of										production from beach-cast
biofuel production from										seaweed by pyrolysis and
beach-cast seaweed by										hydrothermal liquefaction.
pyrolysis and			_		0.00	40				Energy Conversion and
hydrothermal liquefaction	3.81	58	5	0.83	6.02	18	33	0	0	Management: X,23
										Ur Rahman, A., Sadiq, T., Khan, R.
										and 3 more () (2022).Tunable
Tomoble destroys to										electronic and magnetic
Tunable electronic and										properties of single layer CdS via
magnetic properties of										Li substitutional doping: A first-
single layer CdS via Li										principle study. Journal of
substitutional doping: A	0.63	15	5	0.21	14.62	42	67	0	0	Physics and Chemistry of
first-principle study	0.63	15	5	0.21	14.02	42	67	<u> </u>	U	Solids,161
										Mohamed, MA.T., Megahed, N.A., Shahda, M.M. and 1 more
										() (2024).Efficiency of utilizing
Efficiency of utilizing										building information modeling
building information										tools for examining smart
modeling tools for										materials behavior in a hot
examining smart materials										climate. Journal of Building
behavior in a hot climate	10.12	185	5	1.04	4.82	18	28	0	0	Engineering,87
Schavior in a not climate	10.12	100	3	1.04	7.02	10	20			Ambreen, H., Aldaghfag, S.A.,
										Yaseen, M. and 4 more ()
Electronic, optical and										(2022).Electronic, optical and
magnetic characteristics										magnetic characteristics of v
of v doped BeS	0.84	12	5	0.55	9.16	42	46	0	0	doped BeS. Physica Scripta,97(6)
or v doped beo	0.04	12	3	0.00	5.10	72	-+0			

										Amer, A.E., Lebedev, V.A.
										(2020).Numerical Investigations
Numerical Investigations										on Latent Heat Storage Unit using
on Latent Heat Storage										Phase Change Material. Journal
Unit using Phase Change										of Physics: Conference
Material	1.05	24	5	3.05	1.64	52	7	0	0	Series,1565(1)
										Ali, W., Ahmad, J., Haneef, M. and
										5 more () (2021).Distortion
Distortion management of										management of the pulse without
the pulse without and in										and in the presence of Compton
the presence of Compton										scattering in a three level atomic
scattering in a three level										configuration. European Physical
atomic configuration	0.3	7	5	0.22	13.35	48	66	0	0	Journal Plus, 136(7)
										Ismaeil, E.M.H., Sobaih, A.E.E.
High-Performance Glazing										(2023).High-Performance
for Enhancing Sustainable										Glazing for Enhancing
Environment in Arid										Sustainable Environment in Arid
Region's Healthcare										Region's Healthcare Projects.
Projects	1.31	38	5	0.59	8.41	32	44	0	0	Buildings,13(5)
										Yehia, W., Kamar, L., Hassan,
										M.A. and 1 more ()
Proposed hybrid power										(2020).Proposed hybrid power
system for short route										system for short route ferries.
ferries	0.36	13	5	0.15	13.12	52	69	0	0	Nase More, 67(3) 226-231
										Osman, M.H., Elseify, M.A.,
										Ahmed, M.K. and 2 more ()
										(2021).Maximum Power Point
										Tracking for Grid-tied PV System
										Using Adaptive Neuro-Fuzzy
Maximum Power Point										Inference System. Proceedings -
Tracking for Grid-tied PV										ICOECS 2021: 2021 International
System Using Adaptive										Conference on Electrotechnical
Neuro-Fuzzy Inference			_							Complexes and Systems,534-
System	1.07	11	5	1.23	2.44	48	23	0	0	540
										Premchander, A., Amin, I.,
										Oterkus, S. and 2 more ()
										(2022).Peridynamic Modelling of
Build and Madellians										Propagation of Cracks in
Peridynamic Modelling of										Photovoltaic Panels. Procedia
Propagation of Cracks in	0.07	1.	4	2.24	1.24	47	6	0	0	Structural Integrity,41(C) 305-
Photovoltaic Panels	0.87	11	4	3.24	1.24	47	0	U	0	316 Ali, Q.A., Elsakka, M.M., Korovkin,
A naval EDCO algorithm										N.V. and 1 more () (2024).A
A novel EPSO algorithm based on shifted sigmoid										novel EPSO algorithm based on
function parameters for										shifted sigmoid function parameters for maximizing the
maximizing the energy										energy yield from photovoltaic
yield from photovoltaic										arrays: An experimental
arrays: An experimental										investigation. Results in
investigation	1.39	23	4	0.84	4.79	22	33	0	0	Engineering,24
investigation	1.35	23	4	0.04	4.79	22	33	l	l	Hammad, A., Mohamed, M.A.,
Enhancement of the										Abdel-Atty, H.M.
performance of wireless										(2022).Enhancement of the
sensor networks using the										performance of wireless sensor
multihop multiantenna										networks using the multihop
power beacon path										multiantenna power beacon path
selection method in										selection method in intelligent
intelligent structures	0.63	14	4	0.25	16.26	47	65	0	0	structures. PLoS ONE,17(11)
intetagent structures	0.03	14	4	0.23	10.20	47	33		t -	Georgious, R., Saeed, S., Garcia,
Switching schemes of the									ĺ	J. and 1 more ()
bidirectional buck-boost									ĺ	(2020).Switching schemes of the
converter for energy									ĺ	bidirectional buck-boost
storage system	0.33	5	4	0.67	2.98	56	38	0	0	converter for energy storage
atulage ayatelli	0.33	J	4	0.07	2.30	36	36	ı		converter for energy stoldge

							ı	1	1	
										system. 2020 IEEE Vehicle Power and Propulsion Conference,
										VPPC 2020 - Proceedings,
										Wood, D.H., Hammam, M.M.
										(2022).Optimal performance of
Optimal performance of										actuator disc models for
actuator disc models for										horizontal-axis turbines. Frontiers
horizontal-axis turbines	0.7	21	4	0.25	16.13	47	65	0	0	in Energy Research,10
Horizontat-axis turbines	0.7	21	4	0.25	10.13	47	03	0	0	Alzahrani, K.M., Hee, J.L.,
Techno-economic										Elsakka, M. and 3 more ()
assessment of vertical axis										(2024).Techno-economic
wind turbine driven RO										assessment of vertical axis wind
desalination with										turbine driven RO desalination
compressed air energy										with compressed air energy
storage for remote										storage for remote communities.
communities	4.62	60	4	0.73	5.45	22	36	0	0	Desalination,592
communities	4.02	00	4	0.73	5.45	22	30	0	0	Elsheikh, M.E. (2021). Highly
Highly flexible wind turbine										flexible wind turbine blades
blades utilizing corrugated surface hinges	0.57	15	4	0.14	14.26	53	72	0	0	utilizing corrugated surface
Surface filliges	0.57	15	4	0.14	14.20	53	/2	U	U	hinges. Coatings, 11(6)
										El-Denglawey, A., Aly, K.A.,
Flanking										Saddeek, Y.B. and 1 more ()
Electrical properties of										(2021).Electrical properties of
ternary Cux(Ge3Se7)100-x										ternary Cux(Ge3Se7)100-x thin
thin films	0.73	15	4	0.16	12.81	53	70	0	0	films. Optik,226
										Umar, Y., Aboelazayem, O.,
										Gadalla, M.A. and 1 more ()
										(2022).Enhanced biodiesel
										production with improved
Enhanced biodiesel										oxidation stability by water
production with improved										addition to supercritical
oxidation stability by water										methanolysis. Canadian Journal
addition to supercritical	. =-									of Chemical Engineering, 100(9)
methanolysis	1.78	43	4	0.28	14.34	47	62	0	0	2587-2607
										El-Denglawey, A., Dahshan, A.,
										Aly, K.A. and 1 more ()
Mechanical properties and										(2021). Mechanical properties
band gap estimations of										and band gap estimations of
stoichiometric GeSe2-	0.00	40			40.04	50	0.5			stoichiometric GeSe2-As2Se3
As2Se3 glasses	0.89	16	4	0.23	12.81	53	65	0	0	glasses. Optik,245
										El-Kashty, O.A., Daoud, A.A., El-
										Araby, E.E. (2023).Forecasting of
										Short-Term and Long-Term Wind
Forecasting of Short-Term										Speed of Ras-Gharib Using Time
and Long-Term Wind										Series Analysis. International
Speed of Ras-Gharib Using								_		Journal of Renewable Energy
Time Series Analysis	0.68	18	4	0.31	13.08	37	58	0	0	Research,13(1) 258-272
										Hassan, M.ED.R., Barakat,
										M.E.S., Yosef, E.H.E.
										(2024).Synthesis and evaluation
Synthesis and evaluation										of core-shell nanocomposites for
of core-shell										the photodegradation of liner
nanocomposites for the										alkyl-benzene sulfonate water
photodegradation of liner										contaminations. International
alkyl-benzene sulfonate										Journal of Environmental Science
water contaminations	1.9	41	4	0.89	4.52	22	32	0	0	and Technology,21(3) 3185-3200
Techno-economic										Elsakka, M.M., Refaat, A.,
assessment of a novel										Alzahrani, K.M. and 8 more ()
wind-powered RO system										(2024).Techno-economic
and the second s										assessment of a novel wind-
with a compressed air										
energy storage for water										powered RO system with a

1										
										for water desalination.
										Energy,311 Elnaghi, B.E., Abelwhab, M.N.,
										Abdel-Kader, F.E.S.A. and 3 more
										() (2023).Experimental
Experimental Validation of										Validation of Second-Order
Second-Order Adaptive										Adaptive Fuzzy Logic Controller
Fuzzy Logic Controller for										for Grid-Connected DFIG Wind
Grid-Connected DFIG										Power Plant. IEEE
Wind Power Plant	0.58	13	4	0.42	9.48	37	52	0	0	Access,11135255-135271
										Alturki, A.A., Alharbi, A.F.,
										Zoromba, M.S. and 2 more ()
Polymeric solar cell with										(2023). Polymeric solar cell with
18.06% efficiency based										18.06% efficiency based or
on poly(para-										poly(para-nitroaniline)/TiO2
nitroaniline)/TiO2										composites. Optical
composites	1.33	20	4	0.49	8.22	37	48	0	0	Materials,136
										Makram, M., Bassam, A.M.,
										Tawfik, A.A. and 1 more ()
										(2024).Assessment of Onshore
Assessment of Onshore										Renewable Energy Power Supply
Renewable Energy Power										for Ship's Emissions Reduction in
Supply for Ship's										Port Said West Port. Journal of
Emissions Reduction in										
	4.07	47		0.04	4.70					Marine Science and
Port Said West Port	1.27	17	4	0.84	4.79	22	33	0	0	Application,23(2) 506-524
										Alanezi, A.A., Hakobyan, A.,
A novel hybrid compact										Hakobyan, A. and 1 more (
system of photovoltaic										(2023).A novel hybrid compac
solar still air gap										system of photovoltaic solar stil
membrane distillation for										air gap membrane distillation for
the simultaneous										the simultaneous production of
production of water and										water and energy. Desalination
energy	1.53	31	4	0.46	8.76	37	50	0	0	and Water Treatment,2921-9
										Ismaeil, E.M.H., Sobaih, A.E.E.
										(2023). Evaluating BIPV Façades
Evaluating BIPV Façades in										in a Building Envelope in Hot
a Building Envelope in Hot										Districts for Enhancing
Districts for Enhancing										Sustainable Ranking: A Saud
Sustainable Ranking: A										Arabian Perspective.
Saudi Arabian Perspective	1.89	55	4	0.48	8.41	37	49	0	0	Buildings,13(5)
									-	Gharib-Yosry, A., Valdes, R.E.,
										Blanco-Marigorta, E. and 1 more
										() (2022).AN APPROXIMATION
										OF USING VERTICAL-AXIS TIDAL
AN APPROXIMATION OF										TURBINE FOR WATER
USING VERTICAL-AXIS										DESALINATION IN THE SUEZ
TIDAL TURBINE FOR WATER DESALINATION IN										CANAL WATERWAY. Proceedings of ASME 2022 16th Internationa
THE SUEZ CANAL			_							Conference on Energy
WATERWAY	0.67	6	3	1.32	2.27	53	22	0	0	Sustainability, ES 2022
										Amer, A.E., Lebedev, V.A.
										Elsakka, M.M. (2023).The Effec
The Effect of Novel										of Novel Longitudinal Branched
Longitudinal Branched										Fins on the Performance of the
Fins on the Performance of										Latent Heat Accumulator base
the Latent Heat										on Shell-and-Tube Configuration
Accumulator based on										International Journal o
Shell-and-Tube										Renewable Energy
Configuration	1.67	44	3	0.23	13.08	43	63	0	0	Research, 13(2) 768-777
Design and	-						1			, ., ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,
implementation of voltage							ĺ			Ibrahim, N.F., Dessouky, S.S.
source converters in HVDC							ĺ			(2021).Design and
systems	0.46	12	3	1.54	1.95	58	18	0	0	implementation of voltage source
	0.46	12	3	1.54	1.95	1 58	18	. 0	1 0	I implementation of voltage source

										converters in HVDC systems.
										Power Systems,1-98 Sobhy, A., Lei, D., Abo-Khalil, A.G.
										(2022).Enhancing the
										Performance of the Output Active
										Power of DFIG-Based Wind
Enhancing the										Turbines Using Auto Disturbance
Performance of the Output										Rejection Control. Proceedings of
Active Power of DFIG-										the 2022 Conference of Russian
Based Wind Turbines										Young Researchers in Electrical
Using Auto Disturbance										and Electronic Engineering,
Rejection Control	0.68	6	3	0.97	3.08	53	30	0	0	ElConRus 2022,876-881
										Espina-Valdés, R., Fernández-
										Álvarez, V.M., Gharib-Yosry, A.
Increased efficiency of										and 2 more () (2022).Increased
hydrokinetic turbines										efficiency of hydrokinetic
through the use of an										turbines through the use of an
obstacle on the channel bottom	1.53	40	3	0.22	13.9	53	67	0	0	obstacle on the channel bottom. Ocean Engineering, 266
Bottom	1.55	40	3	0.22	13.5	33	07	· · · · · ·	· ·	Agamy, H., Abdelgeliel, M.,
										Mosleh, M. and 2 more ()
										(2020).Neural Fuzzy Control of
										the Indoor Air Quality Onboard a
Neural Fuzzy Control of the										RO-RO Ship Garage.
Indoor Air Quality Onboard										International Journal of Fuzzy
a RO-RO Ship Garage	1.7	41	3	0.22	13.78	61	64	0	0	Systems,22(3) 1020-1035
										Madany, N.M., Gadalla, M.A.,
										Ashour, F.H. and 1 more ()
										(2023).Investigating the Kinetic
										Parameters in the Thermal
Investigating the Kinetic										Analysis of Jojoba Cake. Egyptian
Parameters in the Thermal Analysis of Jojoba Cake	1.1	22	3	0.28	10.58	43	60	0	0	Journal of Chemistry,66(7) 245- 256
Anatysis of Jojoba Cake	1.1	22	3	0.20	10.30	40	- 00		-	Al-Hossainy, A.F., Zoromba, M.Sh.
Synthesis, Structural,										(2021).Synthesis, Structural,
Time-Dependent Density-										Time-Dependent Density-
Functional Theory,										Functional Theory, Thermal
Thermal Annealing and										Annealing and Optical Properties
Optical Properties for										for Doped Polymer
Doped Polymer										Nanostructured Thin Films as
Nanostructured Thin Films		_								Optoelectronic Devices. Polymer
as Optoelectronic Devices	0.19	5	3	0.22	13.61	58	66	0	0	(Korea),45(4) 541-551
										El-Ghafour, S.A., Mikhael, N., El-
										Ghandour, M. (2021). Design and Three-Dimensional Simulation of
Design and Three-									1	a Solar Dish-Stirling Engine.
Dimensional Simulation of										Journal of Advanced Research in
a Solar Dish-Stirling										Fluid Mechanics and Thermal
Engine	0.85	24	3	0.25	12.15	58	64	0	0	Sciences,82(1) 51-76
										Ferraiuolo, R., Pugliese, F.,
									1	Álvarez Álvarez, E. and 3 more
									1	() (2024).Experimental and
Experimental and									1	numerical investigation of a
numerical investigation of									1	three-blade horizontal axis
a three-blade horizontal									1	hydrokinetic water turbine
axis hydrokinetic water turbine (HAHWT) in high									1	(HAHWT) in high blockage conditions. Renewable
blockage conditions	0.97	21	3	0.35	8.53	27	51	0	0	Energy,237
PVSails: Harnessing	0.57	21	3	0.55	0.00	27	31	·	<u> </u>	Tina, G., Osama, A., Cazzaniga,
Innovation With Vertical							1		1	R. and 5 more ()
Bifacial PV Modules in										(2024).PVSails: Harnessing
Floating Photovoltaic										Innovation With Vertical Bifacial
Systems	2.57	32	3	0.53	5.65	27	43	0	0	PV Modules in Floating

										T at
										Photovoltaic Systems. Progress
										in Photovoltaics: Research and
										Applications,32(12) 872-888
										Abu-Zeid, M.AR., Bassyouni, M.,
Experimental and										Fouad, Y. and 3 more ()
Simulation Study of Solar-										(2023).Experimental and
Powered Air-Gap										Simulation Study of Solar-
Membrane Distillation										Powered Air-Gap Membrane
Technology for Water										Distillation Technology for Water
Desalination	1.89	39	3	0.3	10.01	43	59	0	0	Desalination. Membranes, 13(10)
										Kabeel, M.A., Eladany, M.M.,
										Eldesouky, A.A. (2022).A
										Centralized Protection Scheme
										for Microgrids with Artificial
A Centralized Protection										Neural Network-Based on Fault
Scheme for Microgrids										Detection and Location. 2022
with Artificial Neural										23rd International Middle East
Network-Based on Fault										Power Systems Conference,
Detection and Location	1.61	13	3	1.37	2.19	53	21	0	0	MEPCON 2022,
									-	Alattar, A.E., Elkaseer, A., Scholz,
										S. and 1 more () (2023).Critical
Critical Assessment of										Assessment of Current State of
Current State of the Art in										the Art in Wearable Sensor Nodes
Wearable Sensor Nodes										with Energy Harvesting Systems
with Energy Harvesting										for Healthcare Applications.
Systems for Healthcare										Lecture Notes in Networks and
Applications	1.58	24	3	1.08	2.78	43	27	0	0	Systems,561398-412
Applications	1.56	24	3	1.00	2.70	43	27	0	U	
										Refaat, A., Kalas, A., Khalifa, AE.
										and 1 more () (2023).A
										Comparative Study of Two
										Metaheuristic MPPT Techniques
A Comparative Study of										to Extract Maximum Power from
Two Metaheuristic MPPT										PV Array under Different Partial
Techniques to Extract										Shading Patterns. IEEE
Maximum Power from PV										Conference on Power Electronics
Array under Different										and Renewable Energy, CPERE
Partial Shading Patterns	2.29	17	3	1.85	1.62	43	15	0	0	2023,
										Ibrahim, N.F., Dessouky, S.S.
										(2021).Vsc-hvdc control system.
Vsc-hvdc control system	0.46	10	2	1.03	1.95	64	28	0	0	Power Systems,15-30
										Salem, A.A., Eldesouky, A.A.
										(2021).Fuzzy Logic-Pitch Angle
										Controller for SCIG based Wind
										Turbine. Proceedings of 2021
Fuzzy Logic-Pitch Angle										31st Australasian Universities
Controller for SCIG based										Power Engineering Conference,
Wind Turbine	1.36	13	2	0.88	2.28	64	32	0	0	AUPEC 2021,
										El-Kashty, O.A., Daoud, A.A., El-
										Araby, E.E. (2023).An Integrated
										Approach for Demand Response
An Integrated Approach for										and Wind Curtailment
Demand Response and										Management in Distribution
Wind Curtailment										Systems. International Journal of
Management in										Renewable Energy
Distribution Systems	0.68	18	2	0.15	13.08	50	68	0	0	Research,13(2) 636-652
Distribution Systems	0.06	10	2	0.13	10.00	30	36	 	<u> </u>	Hammam, M.M., Wood, D.H.
Agraphastic modelling -4										(2022). Aeroelastic modelling of
Aeroelastic modelling of										tail fins for small wind turbines.
tail fins for small wind			_	4.0-	4.0:			_	_	Journal of Physics: Conference
turbines	0.56	8	2	1.25	1.61	60	23	0	0	Series,2265(4)
DFT Study of Lead-Free							İ	ĺ		Ahmed, H., Ilyas, S.Z., Jalil, A.
Mixed-Halide Materials			_					_	_	and 2 more () (2021).DFT Study
Cs2X2Y2 (X, Y = F, Cl, Br, I)	0.52	11	2	0.08	13.03	64	76	0	0	of Lead-Free Mixed-Halide

f O										
for Optoelectronic										Materials Cs2X2Y2 (X, Y = F, Cl,
Applications										Br, I) for Optoelectronic
										Applications. Journal of
										Electronic Materials,50(10)
										5647-5655
										Hashish, M.N.A., Daoud, A.A.,
										Elfar, M.H. (2022). Hybrid MPPT-
Hybrid MPPT-based										based predictive speed control
predictive speed control										model for variable speed PMSG
model for variable speed										wind energy conversion systems.
PMSG wind energy										International Journal of Applied
conversion systems	0.63	14	2	0.12	16.26	60	74	0	0	Power Engineering, 11(3) 218-228
•										Aboelela, D., Saleh, H., Attia,
										A.M. and 3 more ()
										(2024).Production and
										characterization of bio-oil from
Production and										camelthorn plant using slow
characterization of bio-oil										pyrolysis. Journal of Thermal
from camelthorn plant										Analysis and Calorimetry,149(19)
using slow pyrolysis	3.01	35	2	0.5	4.01	34	44	0	0	10633-10645
using stow pyrotysis	5.01	30	2	0.5	4.01	34		•		
										Eleraky, H.G., Refaat, A., Kalas, A.
										and 1 more ()
										(2024).Performance Assessment
										of Artificial Neural Networks-
Performance Assessment										Based MPPT Technique for
of Artificial Neural										Photovoltaic Systems. ICEENG
Networks-Based MPPT										2024 - 14th IEEE International
Technique for Photovoltaic										Conference on Electrical
Systems	2.07	8	2	2.76	0.73	34	9	0	0	Engineering,48-53
										Abdelwahab, M.A., Eladany,
										M.M., Elfar, M.H. and 1 more ()
										(2024).Optimal Energy
										Management of VPP-Based
Optimal Energy										Energy Storage Considering
Management of VPP-										Renewable Energy Integration
Based Energy Storage										and EV Charging. Proceedings of
Considering Renewable										the International Middle East
Energy Integration and EV										Power System Conference,
Charging	1	4	2	2.92	0.68	34	8	0	0	MEPCON,(2024)
										Ahmad, F., Bakhtawar, Haneef, M.
										and 3 more () (2022).Surface
Surface plasmon polariton										plasmon polariton at the
at the interface of										interface of dielectric and
dielectric and graphene										graphene medium using the
medium using the Doppler										Doppler broadening effect. Laser
broadening effect	0.45	9	2	0.16	12.13	60	71	0	0	Physics,32(6)
broadening effect	0.43	,	2	0.10	12.13	- 00	/1			
										Sallam, E., El Gendy, O.,
										Mohamedien, M.A.
0										(2024).Geometrically nonlinear
Geometrically nonlinear										transient analysis of Timoshenko
transient analysis of										tapered beam-column element
Timoshenko tapered										using a finite element
beam-column element										formulation based on the exact
using a finite element										shape functions. Mechanics
formulation based on the										Based Design of Structures and
exact shape functions	3.35	105	2	0.53	3.8	34	43	0	0	Machines,52(5) 2956-2983
										Gamal, M., Awad, S., Abdel-
									1	Kader, R.F. and 1 more ()
Efficient offloading and									ĺ	(2024). Efficient offloading and
task scheduling in internet									ĺ	task scheduling in internet of
of things-cloud-fog									ĺ	things-cloud-fog environment.
environment	1.95	26	2	0.42	4.72	34	47	0	0	International Journal of Electrical
0	1.00	-5	-	UZ	2					

										and Computer Engineering, 14(4) 4445-4455
										Ullah, S., Azam, S., Gul, B. and 7
First principle study of er,										more () (2021). First principle
co-doped fe and yb of										study of er, co-doped fe and yb of
nabif6; a promising										nabif6; a promising materials for
materials for										optoelectronic and transport
optoelectronic and										properties; probed by dft. Digest
transport properties;										Journal of Nanomaterials and
probed by dft	0.51	11	2	0.15	13.51	64	71	0	0	Biostructures, 16(3) 823-830
process, and	0.00		_					-	_	Rabie, M., Elrasheedy, A., Zkria,
										A. and 3 more () (2023). Hybrid
										concentrator
Hybrid concentrator										photovoltaic/membrane
photovoltaic/membrane										distillation system for potable
distillation system for										water production using new
potable water production										fabricated PS/ZIF_L membrane.
using new fabricated										Journal of Water Process
PS/ZIF_L membrane	1.41	34	2	0.19	10.42	50	66	0	0	Engineering,53
F3/ZIF_L IIIeIIIDIalie	1.41	34		0.19	10.42	30	00	0	0	Moharam, A.I., Beheary, M.S.,
Ologginous funcios s										Salama, A.M. and 1 more () (2023).Oleaginous fungi as a
Oleaginous fungi as a sustainable source for										sustainable source for biodiesel
biodiesel production:										production: Current and future
Current and future	0.00	4.4	•	0.11	10.54	50	74			prospect. Microbial
prospect	0.62	14	2	0.11	18.54	50	71	0	0	Biosystems,8(1) 18-25
										Ahmed, A.S. (2020).Optimal
										planning for sustainable and
Optimal planning for										cost-effective power generation
sustainable and cost-										on the Red Sea coast.
effective power generation										Sustainable Energy Technologies
on the Red Sea coast	0.51	22	2	0.11	18.91	66	72	0	0	and Assessments,42
										Hosny, M.M., Abdel-Aziz, M.H.,
										Zoromba, M.S. and 2 more ()
										(2024).Thin film synthesis and
Thin film synthesis and										photovoltaic performance of
photovoltaic performance										polypyrrole@cobalt hydroxide
of polypyrrole@cobalt										composites for solar cells and
hydroxide composites for										optoelectronic devices. Solar
solar cells and										Energy Materials and Solar
optoelectronic devices	0.67	9	2	0.32	6.19	34	53	0	0	Cells,278
										Khedr, A.A., Hammam, M.M.,
										Gupta, A. and 3 more ()
										(2024).The nonlinear behavior of
The nonlinear behavior of										generic tail fins for small wind
generic tail fins for small										turbines. Journal of Renewable
wind turbines	0.51	11	1	0.12	8.53	45	61	0	0	and Sustainable Energy, 16(5)
										Shamso, E., El-Hadek, M.,
										Elsanabary, S. and 2 more ()
										(2023). Finite Element Analysis
										for Dynamic Simulation of
										Composite HAWT Blade.
Finite Element Analysis for										International Journal of
Dynamic Simulation of										Renewable Energy
Composite HAWT Blade	1.44	38	1	0.08	13.08	60	73	0	0	Research,13(2) 790-801
										Ibrahim, N.F., Dessouky, S.S.
										(2021).High-voltage direct
High-voltage direct current										current transmission. Power
transmission	0.91	35	1	0.51	1.95	71	47	0	0	Systems,5-14
A solar energy-based		-								Bassam, A.M., Phillips, A.B.,
shore side power system										Turnock, S.R. and 1 more ()
for a ferry service across										(2024).A solar energy-based
the Suez Canal	3.21	49	1	0.21	4.79	45	57	0	0	shore side power system for a
			_	0.21	, 0	+0	0,		Ů	2 310 Glad portor ojotelli loi u

							1	1		
										ferry service across the Sue
										Canal. Ships and Offshore Structures, 19(9) 1368-1379
										Elnaghi, B.E., Dessouki, M.E.
										Mohamed, S.W. and 2 more (
										(2024). African vulture optimize
A C										algorithm for fuzzy logic speed
African vulture optimizer										controller of fuel cell electric
algorithm for fuzzy logic										vehicle. International Journal o
speed controller of fuel										Power Electronics and Drive
cell electric vehicle	8.0	10	1	0.17	5.78	45	60	0	0	Systems,15(3) 1348-135
										Ibrahim, N.F., Dessouky, S.S
										(2021).Vsc-hvdc under ac and de
Vsc-hvdc under ac and dc										fault conditions. Powe
fault conditions	0.51	14	1	0.51	1.95	71	47	0	0	Systems,31-5
										Abd El-Atty, H.M., Ellaban, M.I.
										Mostafa, H.T. and 4 more (
										(2024).Photovoltaic-Powered
										Smart Aquaponic System
										Integrating IoT and AI fo
Photovoltaic-Powered										Sustainable Food Production and
Smart Aquaponic System:										Fish Health Management. 202
Integrating IoT and Al for										Internationa
Sustainable Food										Telecommunication
Production and Fish										Conference, ITC-Egypt 2024,799
Health Management	2.7	13	1	1.1	0.91	45	27	0	0	805
Heattii Hanagement	2.7	13	1	1.1	0.91	43	21	0	0	Abdrabo, M., Elkaseer, A.
E										Elshazly, E. and 2 more (
Experimental Examination										(2024).Experimental Examination
of Enhanced										of Enhanced Nanoceramic
Nanoceramic-Based Self-										Based Self-Cleaning Sprays fo
Cleaning Sprays for High-										High-Efficiency Hydrophobio
Efficiency Hydrophobic										Photovoltaic Panels
Photovoltaic Panels	1.92	24	1	0.18	5.48	45	60	0	0	Coatings, 14(10
										Ibrahim, N.F., Dessouky, S.S.
										Mostafa Attia, H.E. and 1 more
										() (2022).Protection of Wind
Protection of Wind Turbine										Turbine Generators Using
Generators Using										Microcontroller-Based
Microcontroller-Based										Applications. Green Energy and
Applications	0.43	8	1	0.48	2.06	68	50	0	0	Technology,1-11
										Gharib-Yosry, A., Fernandez
										Jimenez, A., Pacheco, V.M.F. and
										1 more () (2022).INTERNET O
										ENERGY APPLIED TO WATER
INTERNET OF ENERGY										HYDROKINETIC SMART-GRIDS: A
APPLIED TO WATER										TEST RIG EXAMPLE. Proceeding
HYDROKINETIC SMART-										of ASME 2022 16th International
GRIDS: A TEST RIG										Conference on Energy
EXAMPLE	1.8	16	1	0.44	2.27	68	52	0	0	Sustainability, ES 2022
LOG II LE	1.0	10	1	0.44	2.2/	30	32	l .	 	Mohamed, MA.T., Megahed
										N.A., Eltarabily, S. and 1 more (
SM-BIM: A NEW										(2024).SM-BIM: A NEV
										CONCEPTUAL FRAMEWORK FO
CONCEPTUAL										
FRAMEWORK FOR MULTI-										MULTI-CRITERIA DECISION
CRITERIA DECISION-										MAKING PROCESS BASED OF
MAKING PROCESS BASED										SMART MATERIALS ANI
ON SMART MATERIALS										BUILDING INFORMATION
AND BUILDING										MODELING. Journal of Gree
INFORMATION MODELING	2.59	48	1	0.25	4.01	45	55	0	0	Building, 19(2) 163-19:
Estimating the energy									<u> </u>	Wefki, H., Khallaf, R., Ebid, A.M
consumption for									1	(2024).Estimating the energy
Consumption for									0	

							1			L 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
semiarid and arid desert										buildings in semiarid and arid
climate using artificial										desert climate using artificial
intelligence										intelligence. Scientific
										Reports,14(1)
										Abo-Mousa, A.G., Kamel, D.A.
										Elazab, H.A. and 2 more ()
Graphical Revamping of a										(2022).Graphical Revamping of a
Crude Distillation Unit										Crude Distillation Unit under Two
under Two Variable										Variable Operational Scenarios
Operational Scenarios -										Naphtha Stabilizer and Reformer
Naphtha Stabilizer and										Operated. Chemical Engineering
Reformer Operated	0.62	15	1	0.07	14.34	68	78	0	0	Transactions,941225-1230
										El Gendy, O., Mohamedien, M.A.
										Sallam, E. (2024).Static and
										dynamic analysis of a new
										offshore wind turbine system
Static and dynamic										supported with outriggers.
analysis of a new offshore										Mechanics Based Design of
wind turbine system	0.00			0.00		45				Structures and Machines,52(12)
supported with outriggers	2.29	26	1	0.26	3.8	45	55	0	0	10389-10421
										Amin, A.A., El-Kholy, E.E.,
										Dessouki, M.E.
										(2022).Performance Assessment
										of T-Source Inverter Fed
										Induction Motor Drives Based on
Performance Assessment										Photovoltaics, 2022 23rd
of T-Source Inverter Fed										International Middle East Power
Induction Motor Drives		_							_	Systems Conference, MEPCON
Based on Photovoltaics	0.87	7	1	0.46	2.19	68	51	0	0	2022,
										Mohamed, M.A., Elazab, H.A.
										Gadalla, M.A. and 1 more ()
										(2024).Conversion of Fish Waste
Conversion of Fish Waste										Oil into Biofuel: An Experimental
Oil into Biofuel: An										Study. Letters in Applied
Experimental Study	2.49	34	1	0.2	5.04	45	58	0	0	NanoBioScience, 13(3)
Experimental Study	2.49	34	1	0.2	5.04	43	36	0	0	- 1
										Elrazky, R.R., Hieba, A.A., Daoud
										A.A. (2021).Study Network
										Reconfiguration Using
										Optimization Techniques to
Study Network										Improve Voltage Stability. 2021
Reconfiguration Using										International
Optimization Techniques										Telecommunications
to Improve Voltage										Conference, ITC-Egypt 2021
Stability	1.62	17	1	0	3.61	71	79	0	0	Proceedings
Stability	1.02	1/	1	U	3.01	/1	/5	0	0	
										Saraswat, S., Tomar, V.K., Deolia
										V.K. and 3 more ()
										(2021).Estimation of density of
Estimation of density of										charged defect states in some
charged defect states in										glasses of SeTeSnPb system
some glasses of SeTeSnPb										using low-temperature d.c
system using low-										conductivity measurements.
temperature d.c.										Journal of Materials Science
conductivity				_	40			_	_	Materials in Electronics,32(7)
measurements	1.32	25	1	0	12.52	71	79	0	0	9509-9516
										Sallam, A.A., Malik, O.P.
										(2021).Power grids with
										renewable energy: Storage,
Power grids with										integration and digitalization
renewable energy:										Power Grids with Renewable
Storage, integration and										Energy: Storage, integration and
digitalization	2.43	31	4	0.13	7.61	71	72	0	0	digitalization,1-570
	2.43	ال	1	0.13	7.01	/1	/2	"	1	
							l	1	1	Barakat, N.A.M., Farrag, T.E.
Green Hydrogen Production from Ethanol	0.08	1	1	0.16	6.28	45	61	0	0	Mahmoud, M.S. (2024).Green

		1		1			1			
Electrolysis Using Co/Ni										Hydrogen Production from
Bimetallic Nanoparticles- Incorporated Carbon										Ethanol Electrolysis Using Co/Ni Bimetallic Nanoparticles-
Nanofibers										Incorporated Carbon Nanofibers.
Nationbers										Russian Journal of Applied
										Chemistry,97(6) 572-581
										Bayoumi, S., Amin, I., Oterkus, E. and 1 more ()
										(2022).Experimentally validated
										simplified prediction model of
										unloaded spar-buoy wave energy
Experimentally validated										converter motions' responses in
simplified prediction										waves. Proceedings of the
model of unloaded spar-										Institution of Mechanical
buoy wave energy										Engineers, Part A: Journal of
converter motions'										Power and Energy, 236(8) 1608-
responses in waves	1.29	31	1	0.07	13.96	68	78	0	0	1620
			_							Raslan, W., Abdel-Atty, H.M., El-
										Den, B.M. (2024). Joint Reflection
										Design and Channel Estimation
										for Intelligent Reflective
Joint Reflection Design										Surfaces, 2024 International
and Channel Estimation										Telecommunications
for Intelligent Reflective										Conference, ITC-Egypt 2024,818-
Surfaces	0.42	2	0	0	0.91	62	61	0	0	823
										Ibrahim, N.F., Dessouky, S.S.,
										Mostafa Attia, H.E. and 1 more
										() (2022).Protective Schemes
Protective Schemes for										for Induction Generator. Green
Induction Generator	0.7	13	0	0	2.06	79	79	0	0	Energy and Technology,45-57
										Ibrahim, N.F., Dessouky, S.S.,
										Mostafa Attia, H.E. and 1 more
										() (2022).Conclusions and
Conclusions and Future										Future Work. Green Energy and
Work	0.53	10	0	0	2.06	79	79	0	0	Technology, 111-112
										Ibrahim, N.F., Dessouky, S.S.
Vsc-hvdc simulation										(2021).Vsc-hvdc simulation
results	0.46	14	0	0	1.95	82	79	0	0	results. Power Systems,53-81
										Álvarez, E.Á., Yosry, A.G.,
										Jiménez, A.F. and 2 more ()
										(2023).Diagnostic Strategies for
Diagnostic Strategies for										Microturbines Operating Status
Microturbines Operating										Applied to Predictive
Status Applied to										Maintenance: Experimental Test
Predictive Maintenance:										Case. Proceedings of the ASME
Experimental Test Case	2.38	18	0	0	1.4	73	73	0	0	Turbo Expo,14
										Aloukili, A.M., Elsakka, M.,
										Mohamed, M.A. and 1 more ()
0. 51										(2024).Co-Flow Jet Effects on the
Co-Flow Jet Effects on the										Aerodynamic Performance of
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Aerofoils with Different										Turbine Applications. Ecological
Thicknesses for Wind	0.00	_	_		4.05	-00				Engineering and Environmental
Turbine Applications	0.33	5	0	0	4.05	62	61	0	0	Technology, 25(12) 218-232
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Wind Tunnel							ĺ	ĺ	ĺ	Tunnel and OpenFOAM Flow
Wind Tunnel and OpenFOAM Flow Analysis							1	ĺ	ĺ	Analysis of A High Solidity Vertical-Axis Wind Turbine.
of A High Solidity Vertical-							1	ĺ	ĺ	Proceedings of the ASME Turbo
of A High Solidity Vertical- Axis Wind Turbine	0.79	6	0	0	1.4	73	73	0	0	Proceedings of the ASME Turbo Expo,14
AXIS WITHU TUTDINE	0.79	б	U	U	1.4	/3	/3	U	U	Exp0,14

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High-Power Three-Port Converter for Efficient EV										Conference on Power Electronics, Drives, and Energy
Fast Charging Using Partial										Systems for Industrial Growth,
Power Processing	0.26	1	0	0	0.61	62	61	0	0	PEDES,(2024)
TowerTrocessing	0.20	-	•	•	0.01	02		•	•	Ibrahim, N.F., Dessouky, S.S.
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Protection	1.23	23	0	0	2.06	79	79	0	0	Technology,89-109
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expansion in the Venusian										the Venusian upper ionosphere.
upper ionosphere	1.3	8	0	0	5	62	61	0	0	Astronomy and Astrophysics,685
										Sadek, M.A., Gadalla, M.A.,
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Organic Rankine Cycles										Study in an Oil Refinery.
(ORCs): a Case Study in an										Chemical Engineering
Oil Refinery	1.32	27	0	0	10.53	73	73	0	0	Transactions,9815-20
Giriamiary	1.02				10.00	,,,	, , ,			Abouzeid, A.F., Guerrero, J.M.,
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Remagnetization										Operating with Reduced Flux
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Reduced Flux Levels	0.97	9	0	0	2.27	79	79	0	0	Machines, ICEM 2022,2249-2255
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Flower Pollination										Harvest Maximum Power from
Techniques Used to										PEMFC. 2023 24th International
Harvest Maximum Power from PEMFC	1.58	12	0	0	1.75	73	73	0	0	Middle East Power System
ITOTTI PEMFC	1.58	12	0	U	1./5	/3	/3	0	0	Conference, MEPCON 2023, Elesh, E., Abul-Nasr, K.T.,
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Au/ZnTPyP/p-Si/Ag										Si/Ag heterojunction under
heterojunction under										gamma radiation effect for solar
gamma radiation effect for										cell applications. European
solar cell applications	1.3	15	0	0	4.97	62	61	0	0	Physical Journal Plus, 139(9)
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Curve of DFIG Wind Farm	0	0	0	0	0.68	62	61	0	0	Conference, MEPCON,(2024)
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Systems Considering										System Conference, MEPCON
Uncertainties	0.4	3	0	0	1.75	73	73	0	0	2023,
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cycle	0.7	21	0	0	14.23	82	79	0	0	Engineering Journal, 151-9
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Electric Traction Drives	0.45	2	0	0	0.82	62	61	0	0	Conference),

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Conversion of biomass to biofuels and life cycle assessment: a review	https://www.scopus.com/record/display.url ?eid=2-s2.0- 8511111734&origin=resultslist	10.1007/s10311-021-01273-0	Review	Hybrid gold Gree n	2-s2.0- 8511111173 4	-	Sultan Qaboos University Queen's University Belfast Port Said University Egyptian Propylene & Polypropylene Company	4
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	https://www.scopus.com/record/display.url ?eid=2-s2.0- 85129487821&origin=resultslist	10.1007/s10311-022-01424-x	Review	Hybrid gold Gree n	2-s2.0- 8512948782 1	-	Obihiro University of Agriculture and Veterinary Medicine University of Florida Qatar University Taiz University Al-Azhar University Egyptian Atomic Energy Authority Queen's University Belfast Port Said University Egyptian Propylene & Polypropylene Company Assiut University	10
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	https://www.scopus.com/record/display.url ?eid=2-s2.0- 85158063989&origin=resultslist	10.1007/s10311-023-01603-4	Review	Hybrid gold	2-s2.0- 8515806398 9	-	Assiut University Kobe University Universidad Autonoma de Baja California Xi'an Jiaotong-Liverpool University Alexandria University Queen's University Belfast Nnamdi Azikiwe University, Awka Port Said University Egyptian Propylene & Polypropylene Company	9
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	https://www.scopus.com/record/display.url ?eid=2-s2.0- 85185279018&origin=resultslist	10.1002/aesr.202400011	Review	Gold	2-s2.0- 8518527901 8	-	ICAR - Indian Institute of Soil and Water Conservation Kobe University Xl'an Jiaotong-Liverpool University National Institute of Oceanography and Fisheries Queen's University Belfast Port Said University Egyptian Propylene & Polypropylene Company Assiut University	8

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pyrolysis of algal and	https://www.scopus.com/record/display.url				2-s2.0-		Alexandria University Ming Chi University of Technology Queen's	
lignocellulosic	?eid=2-s2.0-			Hybrid	8514861552		University Belfast Port Said University Egyptian Propylene &	
biomass: a review	85148615526&origin=resultslist	10.1007/s10311-023-01573-7	Review	gold	6	-	Polypropylene Company Agricultural Research Center, Giza	11
Optimizing biomass								
pathways to bioenergy								
and biochar								
application in								
electricity generation,							King Saud University Kobe University Xi'an Jiaotong-Liverpool University	
biodiesel production,	https://www.scopus.com/record/display.url				2-s2.0-		Universiti Malaysia Sarawak Queen's University Belfast Port Said	
and biohydrogen	?eid=2-s2.0-			Hybrid	8516369178		University Egyptian Propylene & Polypropylene Company Assiut	
production	85163691782&origin=resultslist	10.1007/s10311-023-01613-2	Review	gold	2	-	University	8
An Optimized Hybrid								
Fractional Order								
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Systems	85097189567&origin=resultslist	10.1109/ACCESS.2020.3040620	Article	Gold	7	1.	Maria Port Said University	4
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conceptual review	85116900190&origin=resultslist	10.1016/j.jece.2021.106503	Review	-	0	-	Said University Egyptian Propylene & Polypropylene Company	6
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Biofuel production,							Egyptian Propylene & Polypropylene Company Seoul National University	
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and water remediation							Kebangsaan Malaysia Xi'an Jiaotong-Liverpool University St. Petersburg	
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electrocatalysis	85149474869&origin=resultslist	10.1007/s10311-023-01581-7	Review	gold	9	-	University	14
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heterostructure for							King Fahd University of Petroleum and Minerals Allama Iqbal Open	
oxygen evolution	https://www.scopus.com/record/display.url				2-s2.0-		University University of Education Quaid-I-Azam University University of	
reaction	?eid=2-s2.0-				8511788021		Gujrat Shenzhen University King Khalid University International Islamic	
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Recent Advances in								
Biomass Pyrolysis								
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Bioenergy Production:	https://www.scopus.com/record/display.url				2-s2.0-			
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An Adaptive D-FACTS							,	
for Power Quality	https://www.scopus.com/record/display.url				2-s2.0-	1		
Enhancement in an	?eid=2-s2.0-				8508293332			
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Power Systems	85100835050&origin=resultslist	10.1109/ACCESS.2021.3058521	Article	Gold	8210083202	1.	Maria Port Said University Maria Port Said University	4
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of cyclodextrin-based	https://www.scopus.com/record/display.url			Hybrid	2-s2.0-		South Valley University Zhejiang University University of Chinese	
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Review on energy	https://www.scopus.com/record/display.url				2-s2.0-			
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routes, and technical	?eid=2-s2.0-				8513937335		Port Said University Egyptian Propylene & Polypropylene Company	_
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A novel metaheuristic								
MPPT technique based								
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Particle Swarm								
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to track the GMPP								
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Experimental	?eid=2-s2.0-				8515803053			
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Comprehensive								
investigation of Opto-								
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Sustainable								
management of food								
waste; pre-treatment								
strategies, techno-								
economic assessment,								
bibliometric analysis,							China Agricultural University Huazhong Agricultural University National	
and potential	https://www.scopus.com/record/display.url				2-s2.0-		Research Center Ministry of Agriculture of the People's Republic of	
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Nanostructured								
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electrochemical and	https://www.scopus.com/record/display.url				2-s2.0-		Prince Sattam Bin Abdulaziz University Al Jouf University Khwaja Fareed	
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review	85118535422&origin=resultslist	10.1016/j.ijhydene.2021.10.044	Review		2	-	University Port Said University	5
Experimental and								
simulation study of								
multichannel air gap								
membrane distillation	https://www.scopus.com/record/display.url				2-s2.0-			
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of solar collectors	85108903443&origin=resultslist	10.1016/j.enconman.2021.114431	Article		3	-	and Technology Port Said University	3
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cell for high	https://www.scopus.com/record/display.url				2-s2.0-			
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photovoltaics using	85091625789&origin=resultslist	5868	Article	I	9	-	University of Birmingham University of Exeter Port Said University	3

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heterostructure	https://www.scopus.com/record/display.url				2-s2.0-		Allama Iqbal Open University Northeast Normal University University of	
catalyst for water	?eid=2-s2.0-				8512079589		Gujrat Muhammad Nawaz Sharif University of Engineering & Technology	
splitting	85120795890&origin=resultslist	10.1016/j.ijhydene.2021.11.124	Article		0	-	King Khalid University Xi'an Jiaotong University Port Said University	9
Assessment of floating								
photovoltaic								
productivity with fins-	https://www.scopus.com/record/display.url				2-s2.0-			
assisted passive	?eid=2-s2.0-				8513596208			
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system in windy	?eid=2-s2.0-				8511932571			
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A novel concentrated								
photovoltaic-driven								
membrane distillation						1		
hybrid system for the						1		
simultaneous								
production of	https://www.scopus.com/record/display.url				2-s2.0-			
electricity and potable	?eid=2-s2.0-				8508994693		The British University in Egypt Zewail City of Science and Technology Port	
water	85089946938&origin=resultslist	10.1016/j.renene.2020.08.041	Article		8	l _	Said University	3
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Synthesis,								
characterization and								
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Hydrothermal	https://www.scopus.com/record/display.url				2-s2.0-		Renmin University of China Beijing University of Chemical Technology	
Liquefaction of	?eid=2-s2.0-				8511021816		Washington State University Pullman University of Utah Port Said	_
Microalgae	85110218166&origin=resultslist	10.1021/acs.energyfuels.1c01386	Article		6	-	University	5
Experimental study of								
simultaneous effect of								
evacuated tube								
collectors coupled								
with parabolic								
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traditional single slope	?eid=2-s2.0-	40 4040//// 0000 400004		0.11	8516522824		N.F	
solar still efficiency	85165228243&origin=resultslist	10.1016/j.csite.2023.103304	Article	Gold	3	-	Al-Fayoum University Al Baha University Port Said University	3
Single-stage waste oil								
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catalyst: Optimization,								
preliminary techno-	https://www.scopus.com/record/display.url				2-s2.0-		The British University in Egypt IHE Delft Institute for Water Education	
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environmental analysis	85147594303&origin=resultslist	10.1016/j.fuel.2023.127587	Article	1	3	-	Said University	6
Retrofit of heat								
exchanger networks by								
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Analysis - A case study	https://www.scopus.com/record/display.url				2-s2.0-			
of a crude oil refinery in	?eid=2-s2.0-				8510505912		The British University in Egypt Lund University Cairo University The	_
Kuwait	85105059129&origin=resultslist	10.1016/j.csite.2021.101030	Article	Gold	9	-	Public Authority of Applied Education and Training Port Said University	5
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photovoltaic system	85115126217&origin=resultslist	/528	Article	-	/	<u> </u>	University of Exeter Port Said University	2
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Vertical Axis Wind	https://www.scopus.com/record/display.url ?eid=2-s2.0-				2-s2.0-			
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speeds	85137161766&origin=resultslist	10.1016/j.egyr.2022.08.222	Article	Gold	ь	<u> </u>	Port Said University University of Sheffield	
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design of an offshore	https://www.coopus.com/rocord/diapley.url				2-s2.0-		Ain Chama University I University of Streethalyda I Deceyt Deceyable Contart	
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a wind turbine in Egypt	85104281636&origin=resultslist	10.1016/j.oceaneng.2021.108598	Article		6		University	5
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PCMs in a hot climate	85129518674&origin=resultslist	10.1080/00038628.2022.2058459	Article		4	-	Port Said University	1
Recycling of catering								
waste for sequential								
production of								
biohydrogen and								
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Photodeposition								
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Cocatalyst on Titanium								
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poly (ortho phenylene	https://www.scopus.com/record/display.url				2-s2.0-		New Valley University Aswan University Northern Borders University	
diamine) thin film with	?eid=2-s2.0-				8509991288		Zewail City of Science and Technology Alexandria University Qassim	
different surfactants	85099912887&origin=resultslist	10.1007/s10854-021-05271-4	Article		7	l -	University King Abdulaziz University Port Said University Taif University	9
Conducting polymer								_
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optoelectronic devices	?eid=2-s2.0-				8510262777		New Valley University Northern Borders University Alexandria University	
applications	85102627779&origin=resultslist	10.1002/pat.5290	Article		9		King Abdulaziz University Port Said University Assiut University	6
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heterostructures	85122536027&origin=resultslist	10.1016/j.jpcs.2021.110433	Article		7	-	Khalid University Port Said University	4
Improvement of the								
thermal stability and								
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templates	85087397842&origin=resultslist	10.1016/j.molstruc.2020.128792	Article	1	2	-	King Abdulaziz University Port Said University	5
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carbon nanotube	?eid=2-s2.0-				8511327034	1	New Valley University Alexandria University King Abdulaziz University	
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polymers blend with								
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conversion efficiency	https://www.scopus.com/record/display.url				2-s2.0-			
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Experimental and								
numerical simulation								
of solar membrane								
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humidification -	https://www.scopus.com/record/display.url				2-s2.0-			
dehumidification water	?eid=2-s2.0-				8516215288		Suez Canal University Université d'ain Témouchent, Belhadj Bouchaib	
desalination system	85162152883&origin=resultslist	10.1016/j.renene.2023.118915	Article		3	-	University of the Witwatersrand Port Said University	4
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sawdust biomass	?eid=2-s2.0-				8518975414		American University of the Middle East University of the Witwatersrand	
pyrolysis	85189754144&origin=resultslist	10.1016/j.ecmx.2024.100583	Article	Gold	4	-	Port Said University	3
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Delay/Energy LTE	https://www.scopus.com/record/display.url				2-s2.0-			
Downlink Scheduling	?eid=2-s2.0-				8508088397			
Algorithm	85080883973&origin=resultslist	10.1109/ACCESS.2020.2974856	Article	Gold	3	-	Mansoura University Port Said University	2
Experimental and								
multiphase modeling								
of small vertical-axis								
hydrokinetic turbine	https://www.scopus.com/record/display.url				2-s2.0-			
with free-surface	?eid=2-s2.0-			Hybrid	8514572368			_
variations	85145723682&origin=resultslist	10.1016/j.renene.2022.12.114	Article	gold	2	-	University of Oviedo Port Said University	2
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stability of biodiesel	85118219054&origin=resultslist	10.1016/j.renene.2021.10.061	Article		4	-	University University of Leeds Port Said University	8
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of Vertical Axis Wind								
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novel partially floating								
photovoltaic integrated								
with smart energy								
storage and								
management system	https://www.scopus.com/record/display.url				2-s2.0-			
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Lakes	85153847203&origin=resultslist	10.1016/j.oceaneng.2023.114416	Article	gold	3	-	University of Strathclyde Port Said University	2
Model-assisted active								
disturbance rejection								
controller for								
maximum efficiency	https://www.scopus.com/record/display.url				2-s2.0-			
schemes of DFIG-	?eid=2-s2.0-				8511499382			
based wind turbines	85114993827&origin=resultslist	10.1002/2050-7038.13107	Article		7	-	Beijing Institute of Technology Port Said University	2
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Boltzmann Machine	https://www.scopus.com/record/display.url				2-s2.0-		Mansoura University Shaqra University Princess Nourah Bint	
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Algorithms	85181547239&origin=resultslist	10.1109/ACCESS.2023.3345342	Article	Gold	9	-	Ahmed Draia University	8
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air gap membrane	https://www.scopus.com/record/display.url				2-s2.0-			
distillation module	?eid=2-s2.0-			1	8513326617			
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thin films for solar cell	?eid=2-s2.0-	10 1010/5 0000 110011	A-4:-1-		8508975177		Majmaah University University of Jeddah Al-Azhar University King	_
applications	85089751774&origin=resultslist	10.1016/j.optmat.2020.110341	Article		4	-	Khalid University Port Said University	5

Enviro-economic and								
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system: Photovoltaic-								
biogas-hydro-battery	https://www.scopus.com/record/display.url				2-s2.0-		Abdul Wali Khan University Mardan King Faisal University Lebanese	
system in rural areas of	?eid=2-s2.0-			Gold Gre	8520064205		American University Princess Nourah Bint Abdulrahman University Port	
Pakistan	85200642053&origin=resultslist	10.1016/j.heliyon.2024.e35182	Article	en	3	-	Said University Al Baha University	6
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Energy Efficiency and								
Minimizing the SLA	https://www.scopus.com/record/display.url				2-s2.0-			
Violations in Cloud	?eid=2-s2.0-				8509990937			
Data Centers	85099909376&origin=resultslist	10.1155/2021/8892734	Article	Gold	6	-	University of Bisha Port Said University	2
Development and								
implementation of								
two-stage boost								
converter for single-								
phase inverter without	https://www.scopus.com/record/display.url				2-s2.0-			
transformer for PV	?eid=2-s2.0-			Gold Gre	8507459568		Suez Canal University Menoufia University King Abdulaziz University	
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1,2,3-triazole hybrid	?eid=2-s2.0-				8511512540		University Alexandria University King Abdulaziz University Port Said	
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thin film	85115125407&origin=resultslist	10.1016/j.ijleo.2021.167971	Article	+	/	-	University Taif University	10
Heuristic Approach for								
Net-Zero Energy								
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Arid Region Using Dual	https://www.scopus.com/record/display.url				2-s2.0-			
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Sources	85152701180&origin=resultslist	10.3390/buildings13030796	Article	en	0	-	King Faisal University Port Said University Helwan University	3
Correction to:								
Hydrogen production,								
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Wind Power Plant	85179584978&origin=resultslist	10.1109/ACCESS.2023.3337829	Article	Gold	8	-	Suez Canal University Menoufia University Port Said University	3
Polymeric solar cell								
with 18.06% efficiency								
based on poly(para-	https://www.scopus.com/record/display.url				2-s2.0-			
nitroaniline)/TiO2	?eid=2-s2.0-		1		8514671056		New Valley University Alexandria University King Abdulaziz University	
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composites	85146710565&origin=resultslist	10.1016/j.optmat.2023.113502	Article	-	5	<u> </u>	Port Said University	4
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Energy Power Supply								
for Ship's Emissions	https://www.scopus.com/record/display.url				2-s2.0-			
Reduction in Port Said	?eid=2-s2.0-				8519417797			
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West Port	85194177973&origin=resultslist	10.1007/s11804-024-00423-4	Article		3	-	Port Said University	1
A novel hybrid								
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production of water	?eid=2-s2.0-				8516208697		Armenian National Agrarian University The Public Authority of Applied	
and energy	85162086970&origin=resultslist	10.5004/dwt.2023.29493	Article	Bronze	0	-	Education and Training Port Said University	3
Evaluating BIPV								
Façades in a Building								
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Saudi Arabian	?eid=2-s2.0-			Gold Gre	8516061072			
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Configuration	85165150174&origin=resultslist	10.20508/ijrer.v13i2.13836.g8752	Article	Gold	4		Saint Petersburg Mining University Port Said University	2
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Control	85129541277&origin=resultslist	5541	ce Paper		7	-	University of Sharjah Beijing Institute of Technology Port Said University	3
Increased efficiency of								
hydrokinetic turbines								
through the use of an	https://www.scopus.com/record/display.url				2-s2.0-			
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channel bottom	85140275054&origin=resultslist	10.1016/j.oceaneng.2022.112872	Article	gold	4		University of Oviedo Port Said University	2
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Garage	85079746860&origin=resultslist	10.1007/s40815-020-00804-1	Article		0	-	University Port Said University	3
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Kinetic Parameters in	https://www.scopus.com/record/display.url		1		2-s2.0-			
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Devices	85124474777&origin=resultslist	10.7317/pk.2021.45.4.541	Article		7	-	University	3
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Simulation of a Solar	?eid=2-s2.0-			Hybrid	8510524324			
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Technology for Water	?eid=2-s2.0-		1	Gold Gre	8517500895		Université d'ain Témouchent, Belhadj Bouchaib University of the	
Desalination	85175008951&origin=resultslist	10.3390/membranes13100821	Article	en	1	-	Witwatersrand Port Said University	6
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Applications	85142015859&origin=resultslist	10.1007/978-3-031-18344-7_27	ce Paper		9	-	University	3
A Comparative Study of								
Two Metaheuristic								
MPPT Techniques to								
Extract Maximum								
Power from PV Array	https://www.scopus.com/record/display.url				2-s2.0-			
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Fuzzy Logic-Pitch Angle	https://www.scopus.com/record/display.url				2-s2.0-			
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Controller for SCIG	?eid=2-s2.0-	10.1109/AUPEC52110.2021.95977	Conferen		8512327987			
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Efficient offloading and								
task scheduling in	https://www.scopus.com/record/display.url				2-s2.0-			
internet of things-	?eid=2-s2.0-				8519522244			
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membrane	85160813966&origin=resultslist	10.1016/j.jwpe.2023.103872	Article		6	-	University Alexandria University Kyushu University Port Said University	7
Oleaginous fungi as a								
sustainable source for								
biodiesel production:	https://www.scopus.com/record/display.url				2-s2.0-			
Current and future	?eid=2-s2.0-				8516709124			
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Sea coast	85094628579&origin=resultslist	10.1016/j.seta.2020.100891	Article		9	-	Port Said University	1
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of generic tail fins for	?eid=2-s2.0-			1	8520649508	1	National Renewable Energy Laboratory University of Perugia University of	
small wind turbines	85206495086&origin=resultslist	10.1063/5.0217729	Article	Green	6	-	Calgary Port Said University	6
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Photovoltaic-Powered Smart Aquaponic								
System: Integrating IoT								
and AI for Sustainable Food Production and	https://www.scopus.com/record/display.url				2-s2.0-			
Fish Health	?eid=2-s2.0-	10.1109/ITC-	Conferen		8520234292			
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Photovoltaic Panels	85207671308&origin=resultslist	10.3390/coatings14101239	Article	Gold	8	-	The British University in Egypt Cairo University Port Said University	3
Protection of Wind								
Turbine Generators Using Microcontroller-	https://www.scopus.com/record/display.url ?eid=2-s2.0-				2-s2.0- 8512455390			
Based Applications	85124553901&origin=resultslist	-	Chapter		1	-	Suez University Port Said University	2
INTERNET OF ENERGY								
APPLIED TO WATER HYDROKINETIC	https://www.scopus.com/record/display.url				2-s2.0-			
SMART-GRIDS: A TEST	?eid=2-s2.0-		Conferen		8514076378			
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SM-BIM: A NEW CONCEPTUAL								
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AND BUILDING	https://www.scopus.com/record/display.url				2-s2.0-			
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Estimating the energy	65154501053dongm=resultstist	10.3332/jgb.13.2.103	Article		3		1 off Salu Offiversity	1
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desert climate using	https://www.scopus.com/record/display.url ?eid=2-s2.0-			Gold Gre	2-52.0- 8519599749	388717		
artificial intelligence	85195997495&origin=resultslist	10.1038/s41598-024-63843-w	Article	en	5	71	Future University in Egypt Port Said University	2
Graphical Revamping								
of a Crude Distillation Unit under Two								
Variable Operational								
Scenarios - Naphtha	https://www.scopus.com/record/display.url				2-s2.0-		The Pritish University in Fount Coire Initiative it University of College	
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outriggers	85193984985&origin=resultslist	10.1080/15397734.2024.2356062	Article		5		Suez Canal University Port Said University	2
Performance	https://www.scopus.com/record/display.url	40.4400/MEDOON/55444.0000 : ***	0		2-s2.0-			
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review	60018830 60071768	Valley University Faculty of Science Sultan Qaboos University	0	9	57117662400	-	Switzerland	
Conversion of biomass to		Queen's University Belfast Port Said University Faculty of Science			55362658600			
biofuels and life cycle	60029738 60108617 60274043	Egyptian Propylene and Polypropylene Company Sultan Qaboos	5.54E+1	7.01E+0	39761537200		United Kingdom	
assessment: a review	60092747 60071768	University	0	9	57117662400	-	Oman Egypt	
		Queen's University Belfast Obihiro University of Agriculture and						
Biochar for agronomy,		Veterinary Medicine Assiut University Faculty of Veterinary Medicine						
animal farming,		Department of Chemistry and Earth Sciences, College of Arts and						
anaerobic digestion,		Sciences, Qatar University Qatar University College of Arts and						
composting, water	60029738 60000402 60000617	Sciences, Qatar University Faculty of Science Port Said University						
reatment, soil	60273147 60197146 60072749	Egyptian Propylene and Polypropylene Company Egyptian Atomic Energy						
remediation,	60197145 60274043 60108617	Authority National Center for Radiation Research and Technology Taiz					Qatar United	
construction, energy	60092747 60009353 60012577	University Faculty of Engineering Al-Azhar University Cemart for					Kingdom Egypt	
storage, and carbon	60072795 60274955 60004871	Building Materials and Insulation University of Florida Institute of Food	5.54E+1	7.01E+0			Japan United	
sequestration: a review	128079878 60010177 60013959	and Agricultural Sciences University of Florida	0	9	5.54E+10	-	States Yemen	
		Queen's University Belfast Faculty of Science Alexandria University						
Methods to prepare	60029738 60004238 60033041	Egyptian Propylene and Polypropylene Company Port Said University					United Kingdom	
piosorbents and	60092747 60108617 60274043	Faculty of Science Nnamdi Azikiwe University Kobe University Assiut					China Mexico	
magnetic sorbents for	60021842 60011418 60000617	University Faculty of Veterinary Medicine Universidad Autónoma de Baja	5.54E+1	5.72E+1			Egypt Japan	
water treatment: a review	60273147 60005618 60102426	California Xi'an Jiaotong-Liverpool University	0	0	5.54E+10	-	Nigeria	
		Queen's University Belfast Xi'an Jiaotong-Liverpool University Egyptian						
Membrane Technology for		Propylene and Polypropylene Company Port Said University Faculty of						
Energy Saving: Principles,	60029738 60102426 60092747	Science Kobe University Faculty of Veterinary Medicine Assiut						
Techniques, Applications,	60108617 60274043 60011418	University KPR Institute of Engineering and Technology ICAR - Indian					India United	
Challenges, and	60273147 60000617 60108640	Institute of Soil and Water Conservation, Dehradun National Institute of	5.54E+1	3.61E+1	55362658600		Kingdom China	
Prospects	60099697 60030271	Oceanography and Fisheries	0.042.1	0.012.1	36140024400		Japan Egypt	
Tospects	0000007 00000271	Queen's University Belfast Kobe University Assiut University Faculty of	, ·	, ·	00140024400		Jupun Legypt	
		Veterinary Medicine Egyptian Propylene and Polypropylene Company						
Materials, fuels,	60029738 60011418 60000617	Port Said University Faculty of Science Egyptian Methanex Methanol						
	60273147 60092747 60108617	Company (EMethanex) University of Birmingham Ming Chi University of						
upgrading, economy, and life cycle assessment of	60274043 129212846 60019702	Technology Alexandria University Faculty of Science Imam Mohammad					Taiwan United	
the pyrolysis of algal and	60078640 60033041 60004238	Ibn Saud Islamic University Agricultural Research Center Soil, Water					Kingdom China	
			5.54E+1	7.01E+0	FERROCEROON			
lignocellulosic biomass: a	60005880 60019332 60274337 60102426	and Environment Research Institute (SWERI) Xi'an Jiaotong-Liverpool	0.54E+1	7.012+0	55362658600 36140024400		Egypt Japan Saudi	
Optimizing biomoss	00102420	University	0	9	30140024400	-	Arabia	
Optimizing biomass		Out and a University Delfact University Malauria Community Kaha University						
pathways to bioenergy	600007301 600044541 00044 4401	Queen's University Belfast Universiti Malaysia Sarawak Kobe University					United Vinzeless	
and biochar application in	60029738 60024451 60011418	Faculty of Veterinary Medicine Assiut University Egyptian Propylene and			FFOCOCFOCOOL		United Kingdom	
electricity generation,	60273147 60000617 60092747	Polypropylene Company Port Said University Faculty of Science	E E 4 E . 4	2 645.4	55362658600		China Egypt	
biodiesel production, and	60108617 60274043 60274042	Faculty of Engineering- Port Said University King Saud University Xi'an	5.54E+1	3.61E+1	56223568100		Japan Saudi Arabia	
biohydrogen production	60013183 60102426	Jiaotong-Liverpool University	0	0	36140024400	-	Malaysia	
An Optimized Hybrid								
Fractional Order	000400001000400001100	From the contract of the contr						
Controller for Frequency	60216388 60216392 60107271	Faculty of Energy Engineering Faculty of Engineering Aswan University						
Regulation in Multi-Area	60104126 60007087 60274042	Jouf University Universidad Técnica Federico Santa María Faculty of	5.91E+1				Chile Egypt Saudi	
Power Systems	60108617	Engineering- Port Said University Port Said University	0	5.7E+10	5.82E+10	-	Arabia	
Thermochemical								
conversion strategies of								
piomass to biofuels,		Egyptian Propylene and Polypropylene Company Faculty of Science			57192696143			
echno-economic and	60092747 60274043 60274042	Faculty of Engineering- Port Said University National Institute of			57200181654			
oibliometric analysis: A	60030271 60069010 60013551	Oceanography and Fisheries Poznan University of Medical Sciences	5.72E+1	9.43E+0	57221645534		China Egypt	
conceptual review	60108699	China Agricultural University University of Jeddah	0	9	9433357000	-	Poland Saudi Arabia	
Biofuel production,	60029738 60274043 60108617	Queen's University Belfast Faculty of Science Port Said University						
hydrogen production and	60092747 60033041 60004238	Egyptian Propylene and Polypropylene Company Alexandria University	1	1			India United	
water remediation by	60026263 60109766 60072485	Faculty of Science Seoul National University of Science and Technology	1	1			Kingdom South	
photocatalysis,	60011418 60273147 60000617	Quchan University of Technology Saint Petersburg National Research			55362658600		Korea China	
			5.54E+1	l	36140024400		Egypt Oman	l
biocatalysis and	60071768 60102426 60000717	University of Information Technologies, Mechanics and Optics Univ Kobe	0.04E+1					

		Qaboos University Xi'an Jiaotong-Liverpool University University of					Malaysia Russian	
		Johannesburg Universiti Kebangsaan Malaysia Zhejiang Rongsheng					Federation Iran	
		Environmental Protection Paper Co. LTD Chandigarh University						
Design and fabrication of		Xi'an Jiaotong University Allama Iqbal Open University Shenzhen						
Fe2O3/FeP	60018308 60046149 60000937	University University of Gujrat Quaid-i-Azam University University of						
heterostructure for	60121546 60064058 60121158	Education King Fahd University of Petroleum and Minerals Sardar						
oxygen evolution reaction	60009506 60089690 60027741	Bahadur Khan Women's University King Khalid University Faculty of	5.72E+1	5.63E+1			China Egypt Saudi	
electrocatalysis	60274043 60058195	Science International Islamic University, Islamabad	0	0	5.72E+10	_	Arabia Pakistan	4
Recent Advances in			_					
Biomass Pyrolysis		The British University in Egypt Faculty of Energy & Environmental						
Processes for Bioenergy		Engineering University of the Witwatersrand, Johannesburg School of						
Production: Optimization	60023356 60273194 60016218	Chemical and Metallurgical Engineering Port Said University Faculty of	5.72E+1	5.72E+1				
of Operating Conditions	60079227 60108617 60274042	Engineering- Port Said University	0.726+1	0.72E+1	5.72E+10		Egypt South Africa	2
	00079227 00108017 00274042	Eligilieeling- Fort Salu Oliversity	0	0	J./2E+10		Egypt South Africa	
An Adaptive D-FACTS for								
Power Quality	000007401000700041000740401	F101 1 A 1 1 115 A 1 15 -	5 705 · 4					
Enhancement in an	60026746 60273661 60274042	El Shorouk Academy Higher Institute of Engineering Faculty of	5.72E+1					
Isolated Microgrid	60108617	Engineering- Port Said University Port Said University	0	7E+09	5.72E+10	-	Egypt	1
Optimum Modified								
Fractional Order								
Controller for Future								
Electric Vehicles and								
Renewable Energy-Based	60104126 60216388 60107271	Jouf University Faculty of Energy Engineering Aswan University Faculty						
Interconnected Power	60216392 60007087 60274042	of Engineering Universidad Técnica Federico Santa María Faculty of	5.82E+1	5.72E+1			Chile Egypt Saudi	
Systems	60108617	Engineering- Port Said University Port Said University	0	0	5.91E+10	_	Arabia	3
Recent advances in		0 11 0 1 1-2-2	T .		2.222.20			
greenly synthesized								
nanoengineered								
materials for		Eduction Propulate and Polygrapylane Company University of laddeh						
	000007471 004000001 004000471	Egyptian Propylene and Polypropylene Company University of Jeddah	5 705 · 4	0.075.4			01:115	
water/wastewater	60092747 60108699 60108617	Port Said University Faculty of Science Guangxi University Nuclear	5.72E+1	3.67E+1			China Egypt Saudi	_
remediation: an overview	60274043 60030270 60023876	Materials Authority	0	0	9.43E+09	-	Arabia	3
Synthesis and potential								
applications of		Zhejiang University Department of Nutrition and Food Science Faculty of						
cyclodextrin-based	60003970 60342514 60274553	Agriculture Queen's University Belfast Faculty of Science Faculty of			55362658600			
metal-organic	60029738 60004238 60274043	Science University of Chinese Academy of Sciences Faculty of		7.01E+0	57191834563		United Kingdom	
frameworks: a review	60027363 60273822	Agriculture	5.7E+10	9	57087450700	-	China Egypt	3
Review on energy storage		Port Said University Faculty of Engineering- Port Said University	5.72E+1	3.69E+1				
systems in microgrids	60108617 60274042 60006793	Universidad de Oviedo	0	0	5.72E+10	-	Spain Egypt	2
		National Institute of Oceanography and Fisheries Faculty of Science						
Biomass-to-sustainable		Port Said University Egyptian Propylene and Polypropylene Company						
biohydrogen: Insights into	60030271 60274043 60108617	Agricultural Research Center Central Agricultural Pesticides Laboratory						
the production routes,	60092747 60019332 60110414	Faculty of Engineering- Port Said University United Gas Derivative	5.59E+1	9.43E+0				
and technical challenges	60274042 114372907 60108699	Company University of Jeddah	0.002.1	9	5.72E+10	_	Egypt Saudi Arabia	2
A novel metaheuristic	002, 10.2 1140/2007 00100000	Company Chirolotty of Joudan			5.72L110		-b/pt odddi/iidbid	
MPPT technique based on								
enhanced autonomous								
group Particle Swarm								
Optimization Algorithm to								
track the GMPP under								
partial shading conditions			5.72E+1	5.72E+1				
- Experimental validation	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt	1
Comprehensive								
investigation of Opto-								
electronic and transport								
properties of Cs2ScAgX6								
(X = Cl, Br, I) for solar		Khwaja Fareed University of Engineering & Information Technology						
cells and thermoelectric	601040401 601051461 600706111		2.67E+1		E7102E007E21		Edunt Caudi Arabia	
	60194949 60105146 60070611	Princess Nourah Bint Abdulrahman University Riphah International		6.65.00	57193509752		Egypt Saudi Arabia	•
applications	60027741 60274043 60108617	University King Khalid University Faculty of Science Port Said University	0	6.6E+09	35812147900	-	Pakistan	3
Sustainable management								
of food waste; pre-		Faculty of Science Port Said University Egyptian Propylene and						
treatment strategies,		Polypropylene Company National Institute of Oceanography and						
techno-economic	60274043 60108617 60092747	Fisheries Huazhong Agricultural University China Agricultural			55919580700			
assessment, bibliometric	60030271 60032955 60013551	University Ministry of Agriculture of the People's Republic of China	5.72E+1	4.74E+1	57307212500			
analysis, and potential	60087826 60014618	National Research Centre	0	0	9433357000	-	China Egypt	2
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utilizations: A systematic review								
Emerging 2D- Nanostructured materials for electrochemical and sensing Application-A review	60194949 123383725 60027741 60274043 60108617 60104126 60105222	Khwaja Fareed University of Engineering & Information Technology University of Gujrat King Khalid University Faculty of Science Port Said University Jouf University Prince Sattam Bin Abdulaziz University	5.75E+1 0	5.72E+1 0	5.83E+10	-	Egypt Saudi Arabia Pakistan	3
Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors	60105463 60274042 60108617 60104893 60274173	Université d'ain Témouchent, Belhadj Bouchaib Faculty of Engineering- Port Said University Port Said University Zewail City of Science and Technology University of Science and Technology	5.72E+1 0	5.72E+1 0	5.72E+10	-	Algeria Egypt	2
Performance evaluation of single multi-junction solar cell for high concentrator photovoltaics using minichannel heat sink with nanofluids	60026479 60274042 60108617 60019702	University of Exeter Faculty of Engineering- Port Said University Port Said University Unive	5.72E+1 0	6.6E+09	6.6E+09	-	United Kingdom Egypt	2
Enhanced electrochemical activity of Co3O4/Co9S8 heterostructure catalyst for water splitting	60046149 60018308 60121546 60288329 60009506 60121158 113902663 60009509 60089690 60027741 60108617 60274043	Allama Iqbal Open University Xi'an Jiaotong University University of Gujrat Muhammad Nawaz Sharif University of Engineering & Technology King Fahd University of Petroleum and Minerals University of Education Changchun China Optical Science and Technology Museum Northeast Normal University Sardar Bahadur Khan Women's University King Khalid University Port Said University Faculty of Science	5.96E+1 0	6.6E+09	57202517390 55584792053	-	China Egypt Saudi Arabia Pakistan	4
Assessment of floating photovoltaic productivity with fins-assisted passive cooling	60274042 60108617 100638418	Faculty of Engineering- Port Said University Port Said University Ministry of Electricity and Renewable Energy	5.65E+1 0	5.73E+1 0	5.65E+10	-	Egypt	1
Simulation and experimental performance analysis of partially floating PV system in windy conditions	60274042 60108617 60024724	Faculty of Engineering- Port Said University Port Said University University of Strathclyde	5.65E+1 0	5.72E+1 0	5.65E+10	_	United Kingdom Egypt	2
A novel concentrated photovoltaic-driven membrane distillation hybrid system for the simultaneous production of electricity and potable water	60108617 60274042 60023356 60273423 60274173 60104893 100395846 123006718	Port Said University Faculty of Engineering-Port Said University The British University in Egypt Faculty of Engineering University of Science and Technology Zewall City of Science and Technology Suez Canal Authority Ministry of Electricity and Renewable Energy	5.65E+1 0	5.72E+1 0	5.65E+10	_	Egypt	1
Synthesis, characterization and DFT molecular modeling of doped poly (para- nitroaniline-co-para- toluidine) thin film for optoelectronic devices applications	60193407 60273722 60104697 60025518 60010333 60107271 60211593 112920419 60104126 60004582 60033041 60008708 60274042 60108617 60104893 60274173 60091645 60045778 60274043	New Valley University Faculty of Science Northern Border University Qassim University Faculty of Science Aswan University Centre de Recherches et des Technologies de l'Energie Ministry of Military Production Jouf University King Abdulaziz University Alexandria University Faculty of Engineering Faculty of Engineering-Port Said University Port Said University Zewail City of Science and Technology University of Science and Technology Université de Tunis El Manar, Faculté des Sciences de Tunis Université de Tunis El Manar Faculty of Science	2.44E+1 0	1.63E+1 0	6.51E+09	-	Egypt Tunisia Saudi Arabia	3
Extraction of maximum power from PV system based on horse herd optimization MPPT technique under various weather conditions	60108617 60274042 60108465 60017103 60079227 60016218	Port Said University Faculty of Engineering- Port Said University Northern Technical University Peter the Great St. Petersburg Polytechnic University School of Chemical and Metallurgical Engineering University of the Witwatersrand, Johannesburg	5.72E+1 0	5.72E+1 0	5.72E+10	-	Iraq Egypt South Affica Russian Federation	4
Thermo-electrical performance assessment of a partially submerged floating photovoltaic system	60108617 60274042 60010146	Port Said University Faculty of Engineering- Port Said University Università degli Studi di Catania	5.65E+1 0	5.92E+1 0	5.65E+10	-	Egypt Italy	2

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Efficient fractional-order		Faculty of Engineering Fayoum University Torrens University Australia						
modified Harris hawks	60273899 60027423 60109096	Yonsei University Instituto Politécnico do Porto Instituto Superior de						
optimizer for proton	60016912 60013835 60001350	Engenharia do Porto Chaitanya Bharathi Institute of Technology Jouf					India South Korea	
exchange membrane fuel	60094091 60104126 60108617	University Port Said University Faculty of Engineering - Port Said	5.67E+1	2.57E+1			Egypt Saudi Arabia	
cell modeling	60274042 60274154 60003593	University Faculty of Engineering Zagazig University	0	0	5.67E+10	-	Australia Portugal	6
Performance	·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
enhancement of a hybrid								
multi effect								
evaporation/membrane		Port Said University Faculty of Engineering- Port Said University School						
distillation system driven	60108617 60274042 60079227	of Chemical and Metallurgical Engineering University of the						
by solar energy for	60016218 60273423 60023356	Witwatersrand, Johannesburg Faculty of Engineering The British	5.72E+1	5.72E+1				
desalination	60273194	University in Egypt Faculty of Energy & Environmental Engineering	0	0	5.72E+10	-	Egypt South Africa	2
Doped poly (o-								
phenylenediamine -co- p-								
toluidine) fibers for								
polymer solar cells	60004582 60108617 60274043	King Abdulaziz University Port Said University Faculty of Science	1.63E+1	6.51E+0				
								_
applications	60273722 60193407 60104697	Faculty of Science New Valley University Northern Border University	0	9	1.63E+10	-	Egypt Saudi Arabia	2
Design and performance		Port Said University Faculty of Engineering- Port Said University School						
a novel hybrid membrane		of Chemical and Metallurgical Engineering University of the						
distillation/humidification	60108617 60274042 60079227	Witwatersrand, Johannesburg Higher Future Institute of Engineering and	5.72E+1					
-dehumidification system	60016218 121850477	Technology	0	5.6E+10	5.72E+10	-	Egypt South Africa	2
Performance	-1						371 1 4 4 4	_
		Faculty of Agricultural Cusz Conal University Part Said University						
enhancement of flat-plate		Faculty of Agriculture Suez Canal University Port Said University	1			1		
and parabolic trough	000000401000000000000000000000000000000	Faculty of Engineering- Port Said University School of Chemical and						
solar collector using	60239219 60020322 60108617	Metallurgical Engineering University of the Witwatersrand,						
nanofluid for water	60274042 60079227 60016218	Johannesburg Universidad de Oradea American University of the Middle	5.64E+1	5.72E+1	57193261423		Egypt South Africa	
heating application	114464338 60105846	East	0	0	55963977100	-	Kuwait Romania	4
Tuning cationic/anionic								
dyes sorption from								
aqueous solution onto		Egyptian Propylene and Polypropylene Company Faculty of Science Port						
green algal biomass for	60092747 60274043 60108617	Said University Faculty of Science Suez University National Research	5.72E+1	4.74E+1				
					F 70F 110		Fount	
biohydrogen production	60274485 60104710 60014618	Centre	0	0	5.72E+10	-	Egypt	1
Performance								
enhancement of								
concentrator photovoltaic		Ministry of Electricity and Renewable Energy Port Said University Faculty	5.72E+1	5.72E+1				
systems using nanofluids	123006718 60108617 60274042	of Engineering- Port Said University	l 0	О (5.72E+10	-	Egypt	1
Synthesis and							571	
characterization of Co-Al								
		Mine Abelularia Heimanik I Alamandria Haimanik I Family of Family and						
mixed oxide		King Abdulaziz University Alexandria University Faculty of Engineering						
nanoparticles via thermal	60004582 60033041 60008708	Port Said University Faculty of Science Faculty of Engineering- Port Said						
decomposition route of	60108617 60274043 60274042	University Northern Border University New Valley University Faculty of	3.65E+1	6.51E+0				
layered double hydroxide	60104697 60193407 60273722	Science	0	9	3.65E+10	-	Egypt Saudi Arabia	2
					57192696143			
		Port Said University Faculty of Science Egyptian Propylene and	1		55919580700	1		
		Polypropylene Company National Institute of Oceanography and			57200181654			
Hydrogen production	60108617 60274043 60092747	Fisheries Faculty of Engineering- Port Said University Agricultural	1		54954871200	1		
			1			1		
from wastewater, storage,	60030271 60274042 60019332	Research Center Central Agricultural Pesticides Laboratory United Gas			57307212500			
economy, governance	60110414 114372907 60069010	Derivative Company Poznan University of Medical Sciences University of	5.72E+1	9.43E+0	57859732100	1	Egypt Saudi Arabia	
and applications: a review	60108699	Jeddah	0	9	9433357000	-	Poland	3
An energy-economic								
analysis of a hybrid			1					
PV/wind/battery energy-			1					
driven hydrogen			1			1		
unvennyunugen			F 655.4	E 70F.4				
deperation are transfer and		D. 40-2411-2	5.65E+1	5.72E+1	F 055 12	1	F	
generation system in rural	004000471 00074040		0	l 0	5.65E+10	-	Egypt	1
regions of Egypt	60108617 60274042	Port Said University Faculty of Engineering- Port Said University						
regions of Egypt Performance and	60108617 60274042	PORt Said University Faculty of Engineering-Port Said University		-				
regions of Egypt	60108617 60274042	Port Said University Faculty of Engineering-Port Said University						
regions of Egypt Performance and potential of a novel	60108617 60274042	Port Said University Faculty of Engineering- Port Said University						
regions of Egypt Performance and potential of a novel floating photovoltaic	60108617 60274042	POR Said University Faculty of Engineering- Port Said University						
regions of Egypt Performance and potential of a novel floating photovoltaic system in Egyptian winter	60108617 60274042		5 655+1	8 355+0			United Kingdom	
Pergions of Egypt Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water		Faculty of Engineering- Port Said University Port Said University	5.65E+1	8.35E+0	5.055:10		United Kingdom	
regions of Egypt Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface	60274042 60108617 60024724	Faculty of Engineering- Port Said University Port Said University University of Strathclyde	0	9	5.65E+10	-	Egypt	2
Pergions of Egypt Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water		Faculty of Engineering- Port Said University Port Said University			5.65E+10 5.65E+10	-		2

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photovoltaic systems in								
the context of the water-								
energy nexus								
Advanced process								
integration for								
supercritical production								
of biodiesel: Residual		University of Nottingham London South Bank University Faculty of						
waste heat recovery via	60015138 60031237 60273423	Engineering The British University in Egypt Faculty of Engineering- Port						
organic Rankine cycle	60023356 60274042 60108617	Said University Port Said University College of Technological Studies	5.72E+1				United Kingdom	
(ORC)	60069831	Kuwait	0	7.2E+09	5.72E+10	-	Egypt Kuwait	3
	60004582 60274043 60108617	King Abdulaziz University Faculty of Science Port Said University						
Polymer solar cell based	60104697 60008708 60033041	Northern Border University Faculty of Engineering Alexandria University						
on doped o-anthranilic	60274042 60274631 60009750	Faculty of Engineering- Port Said University Faculty of Science Minia						
acid and o-aminophenol	60091645 60045778 60193407	University Université de Tunis El Manar, Faculté des Sciences de Tunis	1.63E+1	6.51E+0			Tunisia Egypt	
copolymer	60273722	Université de Tunis El Manar New Valley University Faculty of Science	0	9	1.63E+10		Saudi Arabia	3
copolymer	00270722	King Abdulaziz University Port Said University Faculty of Engineering-	ı		1.002.10		Guduiritabia	
	000045001 004000471 000740401							
5 (60004582 60108617 60274042	Port Said University University of Science and Technology Zewail City of						
Performance estimation	60274173 60104893 60033041	Science and Technology Alexandria University Faculty of Engineering						
of a mini-passive solar	60008708 60274043 60104697	Faculty of Science Northern Border University New Valley University		6.51E+0				
still via machine learning	60193407 60273722	Faculty of Science	5.7E+10	9	5.7E+10	-	Egypt Saudi Arabia	2
An innovative cooling								
technique for floating			1	1				
photovoltaic module:								
Adoption of partially		Faculty of Engineering- Port Said University Port Said University Ministry	5.65E+1	5.73E+1				
submerged angle fins	60274042 60108617 120738979	of Electricity and Renewable Energy	0	0	5.65E+10	_	Egypt	1
One-pot conversion of							571	
highly acidic waste								
cooking oil into biodiesel	60273423 60023356 60019141	Faculty of Engineering The British University in Egypt Polytechnique						
			F 70F.4	F 70F.4				
over a novel bio-based bi-	60010294 60002575 60108617	Montréal Cairo University Faculty of Engineering Port Said University	5.72E+1	5.78E+1	5 705 40		F	
functional catalyst	60274042	Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt Canada	2
Power management								
strategy based on		Egyptian Propylene and Polypropylene Company Port Said University						
adaptive neuro fuzzy	60092747 60108617 60274042	Faculty of Engineering- Port Said University Sohag University Faculty of						
inference system for AC	60014101 60273830 60002744	Engineering Future University in Egypt Faculty of Engineering &	2.44E+1					
microgrid	60273396	Technology	0	7E+09	2.44E+10	-	Egypt	1
Design and								
characterization of a								
vertical-axis micro tidal								
turbine for low velocity		Universidad de Oviedo Port Said University Faculty of Engineering- Port	5.72E+1	5.72E+1				
scenarios	60006793 60108617 60274042	Said University	0.722.1	0.722.1	5.72E+10		Spain Egypt	2
3CEIIAIIO3	00000733 00108017 00274042	Faculty of Science, Ibn Tofail University Brandenburgische Technische	, ·	, ·	3.72L110	_	эрані Едурі	
0-4-1-4-4-4								
Catalytic fast pyrolysis of	000004441000000451000700071	Universität Cottbus School of Chemical and Metallurgical Engineering					Frank On the Assess	
lignocellulosic biomass:	60030441 60020345 60079227	Institut de Recherche en Energie Solaire et Energies Nouvelles Procédés					Egypt South Africa	
Recent advances and	60109550 60115196 60274042	et Ingénierie en Mécanique et Matériaux Faculty of Engineering- Port Said		5.78E+1			Germany Morocco	
comprehensive overview	60002575	University Faculty of Engineering	2.4E+10	0	2.4E+10	-	France	5
Theoretical investigation			1					
of the temperature limits			1	1				
of an actively cooled high			1	1				
concentration		University of Exeter Port Said University Faculty of Engineering- Port Said	5.72E+1	1			United Kingdom	
photovoltaic system	60026479 60108617 60274042	University	0	6.6E+09	6.6E+09	-	Egypt	2
Dual valorization of								
coastal biowastes for								
tetracycline remediation								
and biomethane								
	60014618 60014304 60274485	National Research Centre LUT University Faculty of Science Suez	1	1				
production: A composite	· · · · · · · · · · · · · · · · · · ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 745.4	F 70F.4			A.catala I Facust I	
assisted anaerobic	60104710 60021931 60108617	University Johannes Kepler University Linz Port Said University Faculty	4.74E+1	5.72E+1	5.705 ::		Austria Egypt	_
digestion	60274043 60092747	of Science Egyptian Propylene and Polypropylene Company	0	0	5.72E+10	-	Finland	3
Effectiveness of some						l		
novel heterocyclic	1		1	l		1		
compounds as corrosion						l		
inhibitors for carbon steel						l		
in 1 M HCl using practical	60012078 60012022 60108617	Faculty of Science Mansoura University Port Said University Faculty of	5.62E+1	2.56E+1		l		
and theoretical methods	60274043 113040527 60114629	Science Egyptian Natural Gas Company (GASCO) Jotun A/S	0	0	5.72E+10	-	Egypt	1

Coyote optimization								
based on a fuzzy logic								
algorithm for energy-								
efficiency in wireless	60274042 60108617 60010294	Faculty of Engineering- Port Said University Port Said University Cairo	5.72E+1	5.72E+1				
sensor networks	60243149	University Faculty of Computers and Artificial Intelligence	l 0	О (5.61E+10	_	Egypt	1
Toward a national life			_				-87F-	_
cycle assessment tool:								
Generative design for			5.77E+1	5.72E+1				
early decision support	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0	5.77E+10	-	Egypt	1
Integration of active solar								
cooling technology into								
passively designed	60274042 60108617 60082030	Faculty of Engineering- Port Said University Port Said University Sinai	5.72E+1	3.53E+1				
facade in hot climates	60273858 60273855	University Faculty of Engineering Sinai University - Kantara	0	0	5.78E+10	_	Egypt	1
	00273030 00273033	Oniversity Faculty of Engineering Smar Oniversity - Kantara		0	3.70L·10	_	Едурі	-
Thermal regulation of								
partially floating								
photovoltaics for								
enhanced electricity								
production: A modeling								
and experimental		Faculty of Engineering- Port Said University Port Said University	5.65E+1	5.92E+1				
analysis	60274042 60108617 60010146	Università degli Studi di Catania	0.032.1	0.521.1	5.65E+10	l .	Egypt Italy	2
•	002,4042 0010001/ 00010140	Onivorsità degli otadi di Oatania	- ·	J	J.03E+10	-	- Eypt italy	
Experimental			1					
performance analysis of			1					
enhanced concentrated								
photovoltaic utilizing								
various mass flow rates of								
Al2O3-nanofluid: Energy,								
exergy, and	60108617 60274042 127156768	Port Said University Faculty of Engineering- Port Said University Ministry	5.65E+1	3.61E+1				
	60028583	of Electricity and Renewable Energy Kocaeli Üniversitesi	0.002.1	0.011.1	5.65E+10		Egypt Turkey	2
exergoeconomic study	00020303	of Electricity and Reflewable Effergy Rocaeti Offiversitesi	U	U	3.03E+10	-	Egypt Turkey	
Facile synthesis of spin-								
coated poly (4-								
nitroaniline) thin film:								
Structural and optical	60273722 60193407 60004582	Faculty of Science New Valley University King Abdulaziz University	5.72E+1	6.51E+0				
properties	60274043 60108617 60104697	Faculty of Science Port Said University Northern Border University	0	9	6.51E+09	_	Egypt Saudi Arabia	2
Evaloring the notantial of	0027 10 10 00100017 0010 1007	r deathy er edicines r art edit e mirerary rierarem Barder emirerary	U	_	0.012.00		Egypt Gadar, Habia	
Exploring the potential of	0027 10 10 00200017 0020 1007	radaky or ocioned i tak dala dimonsky i noranam bardar dimonsky	0		0.012.00	-	Egypti Gadarriagia	2
sheep wool as an eco-	3027 10 10 00200027 0020 1007	Tables of the state of the stat	0		3,012,00		Zajpri oddarradna	2
sheep wool as an eco- friendly insulation	0027.0.10 00220027 0020.007	Table of the state	0		3,012,00		Zojpej oddaniasia	
sheep wool as an eco-	0527 1010 05250027 0525 1007	Total of the control	0		3.012.00	-	Egypt oddinidad	
sheep wool as an eco- friendly insulation	000. 10.101.0020002.1 0020.100.	Total of the state	5.82E+1	5.72E+1	3,012,00		L _D jpt oddar, nasid	
sheep wool as an eco- friendly insulation material: A comprehensive review			5.82E+1	5.72E+1		-		1
sheep wool as an eco- friendly insulation material: A	60274042	Faculty of Engineering- Port Said University			5.82E+10	-	Egypt	
sheep wool as an eco- friendly insulation material: A comprehensive review		Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of	5.82E+1	5.72E+1		-		
sheep wool as an eco- friendly insulation material: A comprehensive review		Faculty of Engineering - Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of	5.82E+1	5.72E+1		-		
sheep wool as an eco- friendly insulation material: A comprehensive review	60274042	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of	5.82E+1	5.72E+1		-		
sheep wool as an eco- friendly insulation material: A comprehensive review	60274042	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University for Science and	5.82E+1	5.72E+1		-		
sheep wool as an eco- friendly insulation material: A comprehensive review	60274042	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of	5.82E+1	5.72E+1		-		
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking	60274042	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University for Science and	5.82E+1	5.72E+1		-		
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble	60274042 60105146 123707192 60012022 60231617 60110524 60016618	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University for Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliya Amman University Middle East University	5.82E+1	5.72E+1		-	Egypt	
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University Faculty of Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universit Sains Malaysia	5.82E+1 0	5.72E+1 0	5.82E+10	-	Egypt Taiwan Egypt	
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering I Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University For Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said	5.82E+1 0	5.72E+1 0 5.72E+1	5.82E+10 57191347112	-	Egypt Taiwan Egypt Saudi Arabia	1
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University Faculty of Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universit Sains Malaysia	5.82E+1 0	5.72E+1 0	5.82E+10	-	Egypt Taiwan Egypt	
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sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering I Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University For Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said	5.82E+1 0	5.72E+1 0 5.72E+1	5.82E+10 57191347112		Egypt Taiwan Egypt Saudi Arabia	1
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sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering I Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University For Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said	5.82E+1 0	5.72E+1 0 5.72E+1	5.82E+10 57191347112		Egypt Taiwan Egypt Saudi Arabia	1
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sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning particle swarm optimization algorithm- based maximum power	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering I Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University For Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said	5.82E+1 0	5.72E+1 0 5.72E+1	5.82E+10 57191347112		Egypt Taiwan Egypt Saudi Arabia	1
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning particle swarm optimization algorithm- based maximum power point tracker for porton	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering I Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University For Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said	5.82E+1 0	5.72E+1 0 5.72E+1	5.82E+10 57191347112		Egypt Taiwan Egypt Saudi Arabia	1
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning particle swarm optimization algorithm- based maximum power point tracker for porton exchange membrane fuel	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering I Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University For Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said	5.82E+1 0	5.72E+1 0 5.72E+1 0	5.82E+10 57191347112		Egypt Taiwan Egypt Saudi Arabia	1
sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning particle swarm optimization algorithm- based maximum power point tracker for porton exchange membrane fuel cells under different	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906 60107208 60108617 60274042	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University for Science and Technology Faculty of Artificial Intelligence AIA-Bayt University Yuan Ze University AI-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said University	5.82E+1 0 5.72E+1 0	5.72E+1 0 5.72E+1 0	5.82E+10 57191347112 58088844800		Egypt Taiwan Egypt Saudi Arabia Jordan Malaysia	5
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sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning particle swarm optimization algorithm- based maximum power point tracker for porton exchange membrane fuel cells under different operating conditions Conceptual design and numerical analysis of a	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906 60107208 60108617 60274042	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University Faculty of Computer and Information Sciences Delta University for Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said University Faculty of Engineering- Port Said University Port Said University Port Said University Port Said University Desert	5.82E+1 0 5.72E+1 0	5.72E+1 0 5.72E+1 0	5.82E+10 57191347112 58088844800		Egypt Taiwan Egypt Saudi Arabia Jordan Malaysia	5
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sheep wool as an eco- friendly insulation material: A comprehensive review and analytical ranking Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm Performance evaluation of a novel self-tuning particle swarm optimization algorithm- based maximum power point tracker for porton exchange membrane fuel cells under different operating conditions Conceptual design and numerical analysis of a	60274042 60105146 123707192 60012022 60231617 60110524 60016618 60217005 60170200 60273670 60036479 60013395 60058937 60109124 60043655 60000906 60107208 60108617 60274042	Faculty of Engineering- Port Said University Princess Nourah Bint Abdulrahman University Delta Higher Institute of Engineering and Technology Mansoura University Faculty of Engineering Shaqra University Ain Shams University Faculty of Computer and Information Sciences Delta University Faculty of Computer and Information Sciences Delta University for Science and Technology Faculty of Artificial Intelligence Al Al-Bayt University Yuan Ze University Al-Ahliyya Amman University Middle East University Jordan Applied Science Private University Universiti Sains Malaysia Sunway University Port Said University Faculty of Engineering- Port Said University Faculty of Engineering- Port Said University Port Said University Port Said University Port Said University Desert	5.82E+1 0 5.72E+1 0	5.72E+1 0 5.72E+1 0	5.82E+10 57191347112 58088844800		Egypt Taiwan Egypt Saudi Arabia Jordan Malaysia	5

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renewable energy for Egypt								
Power management and optimized control of hybrid PV-BESS-grid integrated fast EV charging stations	60005762 60274042 60108617 60071150 60030804	Universiti Tenaga Nasional Faculty of Engineering- Port Said University Port Said University University of Mosul Swinburne University of Technology	5.72E+1 0	5.79E+1 0	5.72E+10		Iraq Egypt Australia Malaysia	4
Artificial neural network based prediction of ship								
speed under operating conditions for operational	60274042 60108617 60025225	Faculty of Engineering- Port Said University Port Said University	5.68E+1	5.72E+1			United Kingdom	
optimization	60010934	University of Southampton National Oceanography Centre Southampton	0	0	5.68E+10	-	Egypt	2
Hydrogen-Rich Syngas and Biochar Production by Non-Catalytic Valorization of Date Palm	60238518 60004582 60108617	Faculty of Engineering Rabigh Branch, King Abdulaziz University King Abdulaziz University Port Said University Faculty of Engineering- Port	2.46E+1	5.72E+1			Egypt Saudi Arabia	
Seeds	60274042 60005762	Said University Universiti Tenaga Nasional	2.406+1	0	2.46E+10	-	Malaysia Malaysia	3
Systematic study of optoelectronic and thermoelectric properties of new lead-free halide								
double perovskites A2KGal6(A = Cs, Rb) for solar cell applications via	60037241 60264833 60013849	The Islamia University of Bahawalpur Ghazi University Gazi Üniversitesi	5.72E+1	9.25E+0			Egypt Saudi Arabia	
ab-initio calculations	60027741 60108617 60274043	King Khalid University Port Said University Faculty of Science	0	9	5.72E+10	-	Turkey Pakistan	4
Prediction and assessment of automated lifting system								
performance for multi- storey parking lots powered by solar energy	60274042 60108617 123480810	Faculty of Engineering- Port Said University Port Said University Affiliated to Ministry of Military Production	5.72E+1 0	5.72E+1 0	5.72E+10	-	Egypt	1
Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta,	60274154 60003593 60029616 60008493 60014439 60274042 60108617	Faculty of Engineering Zagazig University Aarhus Universitet University of California Kearney Agricultural Research and Extension Center University of California, Davis Faculty of Engineering- Port Said University Port Said University Port Said University	5.72E+1 0	5.7E+10	5.7E+10		Egypt United States Denmark	3
Egypt Water Desalination Using Solar Thermal Collectors Enhanced by Nanofluids	6010294 60243231 60243246 60108617 60274042 60104893 60274173 60033391	Cairo University Fott Said University Cairo University Faculty of Graduate African Studies National Institute of Laser Enhanced Sciences Port Said University Faculty of Engineering- Port Said University Zewail City of Science and Technology University of Science and Technology Shahrood University of Technology	5.73E+1 0	5.72E+1 0	5.72E+10	_	Egypt Iran	2
A Comparative Review on Single Phase Transformerless Inverter Topologies for Grid-		Universiti Malaya Hajee Mohammad Danesh Science and Technology		-			Egypt Australia	
Connected Photovoltaic	60029157 60004468 60005762	University Universiti Tenaga Nasional Port Said University Faculty of	5.72E+1 0	5.79E+1 0	57203226751 57928298500		Malaysia	4
Systems Synthesis, characterization, and photosensitizer applications for dye-	60108617 60274042 60030804	Engineering- Port Said University Swinburne University of Technology	0	0	37320290300	-	Bangladesh	4
based on ZrO2- acriflavine nanocomposite thin film [ZrO2+ACF]C	60273131 60000617 60104697 60011568 60221156 60004582 60108617 60274043 60193407 60273722	Faculty of Science Assiut University Northern Border University Tanta University Faculty of Science King Abdulaziz University Port Said University Faculty of Science New Valley University Faculty of Science	5.72E+1 0	9.94E+0 9	6.51E+09		Egypt Saudi Arabia	2
Evaluation of Storage Stability for Biocrude Derived from Hydrothermal	60014402 60021843 60025488	Renmin University of China Beijing University of Chemical Technology The University of Utah John and Marcia Price College of Engineering						
Liquefaction of Microalgae	60150772 60018208 60160236 60108617 60274043	Washington State University Pullman Voiland College of Engineering and Architecture Port Said University Faculty of Science	5.62E+1 0	5.72E+1 0	57044542300 57196076658	-	China Egypt United States	3

	I							
Experimental study of								
simultaneous effect of								
evacuated tube collectors								
coupled with parabolic								
reflectors on traditional		Fayoum University Faculty of Engineering Al Baha University Faculty of						
single slope solar still	60027423 60273899 60104698	Engineering- Port Said University Port Said University Institute of	5.75E+1	5.58E+1				
efficiency	60274042 60108617 60324598	Aviation Engineering and Technology	0	0	5.75E+10	-	Egypt Saudi Arabia	2
Single-stage waste oil								
conversion into biodiesel								
via sonication over bio-								
based bifunctional								
catalyst: Optimization,		Faculty of Engineering The British University in Egypt Faculty of						
preliminary techno-	60273423 60023356 60002575	Engineering Cairo University Polytechnique Montréal IHE Delft Institute						
economic and	60010294 60019141 60022091	for Water Education Port Said University Faculty of Engineering- Port	5.72E+1	5.78E+1			Egypt Netherlands	
environmental analysis	60108617 60274042	Said University	0	0	5.72E+10	_	Canada	3
Retrofit of heat exchanger			Ť					_
networks by graphical		College of Technological Studies Kuwait Faculty of Engineering- Port Said						
Pinch Analysis - A case	60069831 60274042 60108617	University Port Said University Faculty of Engineering The British						
	60273423 60023356 60029170		3.62E+1	5.78E+1			From Monoral	
study of a crude oil		University in Egypt Lunds Universitet Institutionen för Kemiteknik Cairo		5.78E+1 0	0.005.10		Egypt Kuwait	0
refinery in Kuwait	60118717 60010294	University	0	l 0	3.62E+10	-	Sweden	3
Energy and exergy			1					
analyses of new cooling								
schemes based on a								
serpentine configuration								
for a high concentrator		University of Exeter Port Said University Faculty of Engineering - Port Said	5.72E+1				United Kingdom	
photovoltaic system	60026479 60108617 60274042	University	0	6.6E+09	6.6E+09	-	Egypt	2
Response Surface								
Optimisation of Vertical								
Axis Wind Turbine at low		Faculty of Engineering- Port Said University Port Said University The	5.72E+1	5.72E+1			United Kingdom	
wind speeds	60274042 60108617 60001881	University of Sheffield	0	0	5.72E+10	-	Egypt	2
Numerical	, , , , , , , , , , , , , , , , , , , ,						071	
hydrodynamics-based								
design of an offshore								
platform to support a		Port Said University Faculty of Engineering- Port Said University Desert						
	60108617 60274042 60028225		5.72E+1	8.35E+0			United Kingdom	
desalination plant and a		Research Center Arab Academy for Science, Technology and Maritime	0.72E+1	9	0.055.00		United Kingdom	2
wind turbine in Egypt	60007253 60016618 60024724	Transport Ain Shams University University of Strathclyde	U	9	8.35E+09	-	Egypt	2
Performance analysis of								
reinforced epoxy								
functionalized carbon								
nanotubes composites		Faculty of Engineering- Port Said University Port Said University King						
for vertical axis wind	60274042 60108617 60013183	Saud University University of Science and Technology Zewail City of	5.72E+1	5.72E+1				
turbine blade	60274173 60104893	Science and Technology	0	0	6.6E+09	-	Egypt Saudi Arabia	2
Techno-economic multi-								
objective reactive power								
planning in integrated		Faculty of Engineering Mansoura University East Delta Electricity	1	1				
wind power system with	60231617 60012022 122255079	Production Company (EDEPCo) Port Said University Faculty of	5.72E+1	6.51E+0				
improving voltage stability	60108617 60274042	Engineering- Port Said University	0	9	5.72E+10	-	Egypt	1
Numerical investigation	1	<u> </u>					5/1	
of the indoor thermal			1					
behaviour based on PCMs			5.77E+1	5.72E+1				
in a hot climate	60274042 60108617	Faculty of Engineering - Port Said University Port Said University	0 0	0.726+1	5.77E+10	_	Egypt	1
	002/4042 0010001/	r actually or Engineering- Fort Salu Oniversity Port Salu Oniversity	- ·	U	J.//E∓1U	-	свург	1
Recycling of catering			1	1				
waste for sequential								
production of								
biohydrogen and								
biomethane; pre-			1	1				
treatments, batch, and	60108699 60274043 60108617	University of Jeddah Faculty of Science Port Said University National	9.43E+0	4.74E+1				
continuous mode studies	60014618	Research Centre	9	0	9.43E+09	-	Egypt Saudi Arabia	2
Photodeposition				1	· · · · · · · · · · · · · · · · · · ·			
Conditions of Silver				1				
Cocatalyst on Titanium		Faculty of Engineering Egypt-Japan University of Science and	1	1				
Oxide Photocatalyst	60273876 60117075 60274042	Technology Faculty of Engineering- Port Said University Port Said	5.72E+1	5.55E+1				
Directing Product	60108617 60011001	University Kyoto University	0	0	5.55E+10	-	Japan Egypt	2
			<u> </u>		0.002-10			

Out of the tra	T				1	ı	T	
Selectivity in								
Photocatalytic Reduction								
of Carbon Dioxide with								
Water								
Combined experimental								
and TDDFT computations	124708644 60273722 60193407	Laboratory Faculty of Science New Valley University Northern Border						
for the structural and	60104697 60091164 60107271	University Taif University Aswan University Faculty of Science Qassim						
optical properties for poly	60010333 60025518 60108617	University Port Said University Faculty of Engineering- Port Said						
(ortho phenylene	60274042 60274173 60104893	University University of Science and Technology Zewail City of Science						
diamine) thin film with	60004582 60008708 60033041	and Technology King Abdulaziz University Faculty of Engineering	5.72E+1	1.63E+1	36463135100		Egypt Tunisia	
different surfactants	60274043	Alexandria University Faculty of Science	0	0	16305817700	-	Saudi Arabia	3
Conducting polymer thin	60004582 60033041 60008708	King Abdulaziz University Alexandria University Faculty of Engineering						
film for optoelectronic	60000617 60273722 60273131	Assiut University Faculty of Science Faculty of Science Northern	3.65E+1	1.63E+1				
devices applications	60104697 60108617 60274043	Border University Port Said University Faculty of Science	0	0	3.65E+10	_	Egypt Saudi Arabia	2
Optoelectronic and			_				-871-1	_
photocatalytic properties								
of GaN, GeS and SiS		Hazara University Pakistan Southern University of Science and						
	600706061 604056001 600077441		5.72E+1				Obinal Founti Caudi	
monolayers and their vdW	60070606 60105683 60027741	Technology King Khalid University Port Said University Faculty of		0.05.00	1.105.10		China Egypt Saudi	_
heterostructures	60108617 60274043	Science	0	6.6E+09	4.13E+10	-	Arabia Pakistan	4
Improvement of the								
thermal stability and								
optical properties for poly								
(ortho phenylene	60004582 60108617 60274043	King Abdulaziz University Port Said University Faculty of Science New						
diamine) using soft	60193407 60273722 60104697	Valley University Faculty of Science Northern Border University	1.63E+1	1.23E+1	6505746085		Egypt Tunisia	
templates	124708644 60274951 60004871	Laboratory Faculty of Science Al-Azhar University	0	0	12344915200	-	Saudi Arabia	3
Physical properties of	·							
KTaO3 compound for								
optoelectronic and								
thermoelectric	60078212 60105146 60027741	University of Agriculture, Faisalabad Princess Nourah Bint Abdulrahman	5.77E+1				Egypt Saudi Arabia	
applications: A DFT study	60108617 60274043	University King Khalid University Port Said University Faculty of Science	0	6.6E+09	5.72E+10	_	Pakistan	3
Optimal parameters	00100017 0027 10 10	omroion, in migrandia omroion, i or odia omroion, i acan, or ociono		0.02.00	0.722-10		Tukiotan	
identification for PEMFC		Port Said University Faculty of Engineering- Port Said University						
	601096171 602740421 600120221							
using autonomous groups	60108617 60274042 60012022	Mansoura University Faculty of Engineering Department of Automated	5 705 4	5 70F.4			E. II B. III	
particle swarm	60231617 60121046 60121054	Electrical Systems Ural Power Engineering Institute Ural Federal	5.72E+1	5.72E+1	5.705.40		Egypt Russian	
optimization algorithm	60103702	University	0	0	5.72E+10	-	Federation	2
Polypyrrole/functionalize								
d multi-walled carbon								
nanotube composite for	60004582 60193407 60273722	King Abdulaziz University New Valley University Faculty of Science						
optoelectronic device	60008708 60033041 60274043	Faculty of Engineering Alexandria University Faculty of Science Port	5.66E+1	1.63E+1				
application	60108617	Said University	0	0	3.65E+10	-	Egypt Saudi Arabia	2
Physical characteristics		University of Agriculture, Faisalabad Princess Nourah Bint Abdulrahman						
of barium based cubic	60078212 60105146 60018308	University Xi'an Jiaotong University King Khalid University Port Said	5.72E+1				China Egypt Saudi	
perovskites	60027741 60108617 60274043	University Faculty of Science	0	6.6E+09	5.72E+10	-	Arabia Pakistan	4
One-dimensional ternary	·	**						
conducting polymers				1				
blend with 9.26% power				1				
conversion efficiency for	60004582 60008708 60033041	King Abdulaziz University Faculty of Engineering Alexandria University		1				
photovoltaic devices	60108617 60274043 60273722	Port Said University Faculty of Science Faculty of Science New Valley	3.65E+1	6.51E+0				
applications	60193407	University	0.032+1	9	3.65E+10	l _	Egypt Saudi Arabia	2
- ' '	00100407	Onivolony	- ·	-	3.03E+10	- -	Egypt Jadul Alabid	
Experimental and								
numerical simulation of		Cohool of Observice Lond Madellouwine LE 1991 1991 1991 1991						
solar membrane		School of Chemical and Metallurgical Engineering University of the						
distillation and		Witwatersrand, Johannesburg Port Said University Faculty of		1				
humidification -	60079227 60016218 60108617	Engineering- Port Said University Higher Future Institute of Engineering		1	l		l	
dehumidification water	60274042 121850477 60105463	and Technology Université d'ain Témouchent, Belhadj Bouchaib Faculty	5.72E+1	1	57194448020		Algeria Egypt	
desalination system	60239219 60020322	of Agriculture Suez Canal University	0	5.6E+10	57193261423	-	South Africa	3
		University of the Witwatersrand, Johannesburg School of Chemical and						
Yield and energy outputs		Metallurgical Engineering Faculty of Engineering - Port Said University						
analysis of sawdust	60016218 60079227 60274042	Port Said University Higher Future Institute of Engineering and	5.72E+1				Egypt South Africa	
biomass pyrolysis	60108617 121850477 60105846	Technology American University of the Middle East	0	5.6E+10	5.72E+10	-	Kuwait	3
Dragonfly-Based Joint	60274042 60108617 60231617	Faculty of Engineering- Port Said University Port Said University Faculty	4.16E+1	5.58E+1	<u> </u>	İ		_
Delay/Energy LTE	60012022	of Engineering Mansoura University	0	0.30211	4.16E+10	l .	Egypt	1
Dowy/ Lifeigy Life	00012022	or Engineering Fransoura Oniversity	U	U	4.10L+10		-67Pt	1

Described Cabot 1999		T			1		T	
Downlink Scheduling								
Algorithm								
Experimental and								
multiphase modeling of								
small vertical-axis								
hydrokinetic turbine with		Universidad de Oviedo Faculty of Engineering- Port Said University Port	5.72E+1	5.72E+1	57204932141			
free-surface variations	60006793 60274042 60108617	Said University	0	0	57226002189	_	Spain Egypt	2
	***************************************	London South Bank University Institutionen för Kemiteknik Lunds						
A renewable lignin-	60031237 60118717 60029170	Universitet Cairo University University of Nottingham University of						
derived bio-oil for	60010294 60015138 60012070	Leeds The British University in Egypt Faculty of Engineering Port Said	5 705.4		F700F70F0001		11-21-116-11-11	
boosting the oxidation	60023356 60273423 60108617	University Faculty of Engineering- Port Said University Lancaster	5.72E+1		57095795900		United Kingdom	
stability of biodiesel	60274042 60023643 60117770	University Department of Engineering, Lancaster University	0	7.2E+09	7202946094	-	Egypt Sweden	3
Comparison of the								
Computational Fluid								
Dynamics Predictions of								
Vertical Axis Wind Turbine								
Performance Against								
Detailed Pressure		Port Said University Faculty of Engineering- Port Said University The	5.72E+1				United Kingdom	
Measurements	60108617 60274042 60001881	University of Sheffield	0.722.1	7E+09	5.72E+10	l _	Egypt	2
	0010001/ 002/4042 00001001	Oniversity of one filetu	- ·	/ [.09	J./ZL+10		Leypt	2
Physical structure, TD-				1				
DFT computations, and				1				
optical properties of								
hybrid nanocomposite	60004582 60274043 60108617	King Abdulaziz University Faculty of Science Port Said University						
thin film as	60008708 60033041 60273722	Faculty of Engineering Alexandria University Faculty of Science New	1.63E+1	6.51E+0				
optoelectronic devices	60193407	Valley University	0	9	1.63E+10	-	Egypt Saudi Arabia	2
Agueous Phase from								
Hydrothermal		Institute of Living Systems Kazan National Research Technological						
Liquefaction:	127433852 60105002 60023914	University Perm State University Port Said University Faculty of						
Composition and Toxicity	60108617 60274042 60079227	Engineering- Port Said University School of Chemical and Metallurgical		5.52E+1			Egypt South Africa	
		Engineering University of the Witwatersrand, Johannesburg	5.8E+10	0.522.	5.8E+10		Russian Federation	3
Assessment	60016218	Eligilieeling Oliveisity of the witwaterstand, Johannesburg	3.0E+10	0	3.05+10	-	Russian rederation	3
Fabrication,								
characterization, TD-DFT,								
optical and electrical								
properties of poly								
(aniline-co-para	60004582 60274042 60108617	King Abdulaziz University Faculty of Engineering- Port Said University						
nitroaniline)/ZrO2	60274173 60104893 60033041	Port Said University University of Science and Technology Zewail City of						
composite for solar cell	60008708 60274043 60193407	Science and Technology Alexandria University Faculty of Engineering		6.51E+0				
applications	60273722	Faculty of Science New Valley University Faculty of Science	5.6E+10	9	3.65E+10	_	Egypt Saudi Arabia	2
Nickel Oxide	00270722	Tabally Crossonics Hon Yalloy Chirololly Tabally Crossonics	0.02 10		0.002 10		Egypt Gudur Hubid	
Nanoparticles								
Application for Enhancing				1				
Biogas Production Using		L		1				
Certain Wastewater		Faculty of Science Port Said University Al-Azhar University Faculty of		1				
Bacteria and Aquatic	60274043 60108617 60004871	Science King Abdulaziz University Faculty of Sciences, King Abdulaziz	5.72E+1	5.54E+1				
Macrophytes Biomass	60274951 60004582 60238510	University	0	0	5.92E+10	-	Egypt Saudi Arabia	2
Relevance of								
monocrystalline and thin-								
film technologies in				1				
implementing efficient				1				
grid-connected				1				
photovoltaic systems in				1				
	601022221 601096171 600740401	Dor Al I lloom University Dort Cold Iniversity Frank of Frank Cold Iniversity Frank Cold Co	E 675.4	E 705.4				
historic buildings in Port	60193233 60108617 60274042	Dar Al Uloom University Port Said University Faculty of Engineering- Port	5.67E+1	5.72E+1				_
Fouad city, Egypt	60122462	Said University University of Business and Technology	0	0	5.72E+10	-	Egypt Saudi Arabia	2
Evolution of ion-acoustic	60026112 60014841 60012022	Benha University Faculty of Science Mansoura University Faculty of		1				
soliton waves in Venus's	60012078 60221156 60011568	Science Faculty of Science Tanta University Academy of Scientific		1				
ionosphere permeated by	60115114 60108617 60274043	Research & Technology, Cairo Port Said University Faculty of Science	4.75E+1	1				
the solar wind	60273444 60023356	Centre for Theoretical Physics The British University in Egypt	0	6.6E+09	4.75E+10	-	Egypt	1
Conceptual design of a	1	, , , , , , , , , , , , , , , , , , ,					5,1	_
novel partially floating						1		
				l		İ		
photovoltaic integrated				l		İ		
with smart energy storage		I .	i	ı			I	
		Franks of Francisco Don Cold Habrarita Don Cold Habrarita	F 00F.1	0.055.0			I hadden at 17th and a second	
and management system for Egyptian North Lakes	60274042 60108617 60024724	Faculty of Engineering- Port Said University Port Said University University of Strathclyde	5.68E+1 0	8.35E+0 9	8.35E+09		United Kingdom Egypt	2

Model-assisted active								
disturbance rejection								
controller for maximum		School of Automation, Beijing Institute of Technology Beijing Institute of						
efficiency schemes of	60129547 60016835 60108617	Technology Port Said University Faculty of Engineering- Port Said	5.73E+1	5.64E+1				
DFIG-based wind turbines	60274042		0.735+1	0.04E+1	5.73E+10		Chinal Fount	2
DFIG-based wind turbines	60274042	University	U	U	5./3E+10	-	China Egypt	2
		Faculty of Engineering Mansoura University Delta Higher Institute of						
A Recommendation		Engineering and Technology Faculty of Artificial Intelligence Delta						
System for Electric	60231617 60012022 123707192	University for Science and Technology Shaqra University Ain Shams						
Vehicles Users Based on	60273670 60170200 60110524	University Faculty of Computer and Information Sciences Princess						
Restricted Boltzmann	60016618 60217005 60105146	Nourah Bint Abdulrahman University Damietta University Faculty of			34876676400			
Machine and WaterWheel	60107578 60273151 60274042	Computers and Information Faculty of Engineering- Port Said University	3.49E+1	5.72E+1	57191347112		Algeria Egypt Saudi	
Plant Algorithms	60108617 60105421	Port Said University Université Ahmed Draia - Adrar	0	0	57695465800	-	Arabia	3
Experimental		,,						
investigation of two novel								
arrangements of air gap								
membrane distillation		Faculty of Engineering- Port Said University Port Said University Egyptian						
			5.72E+1	5.72E+1				
module with heat	600740401604006471400040060	Academy for Engineering and Advanced Technology Affiliated to Ministry of		0.72E+1	F 70F . 10		From	1
recovery	60274042 60108617 123348060	Military Producti	0	U	5.72E+10	-	Egypt	1
A Comparative Study of								
MPPT for PV System								
Based on Modified								
Perturbation Observation		Peter the Great St. Petersburg Polytechnic University Faculty of	5.72E+1				Egypt Russian	
Method	60017103 60274042 60108617	Engineering- Port Said University Port Said University	0	6.6E+09		-	Federation	2
Optical constants of								
ternary								
Cux(Ge30Se70)100-x thin	60108699 60274951 60004871							
films for solar cell	60110525 60027741 60274043	University of Jeddah Faculty of Science Al-Azhar University Majmaah						
applications	60108617	University King Khalid University Faculty of Science Port Said University	1.3E+10	6.6E+09	1.3E+10	_	Egypt Saudi Arabia	2
Enviro-economic and							-8/1-1	_
optimal hybrid energy								
system: Photovoltaic-								
	600007061 604075001 604054461	King Fried Heimerital Abdul Meli Khan Heimerita Mandau I Britana					Laborard Front	
biogas-hydro-battery	60030736 60107589 60105146	King Faisal University Abdul Wali Khan University Mardan Princess	0.005.4	0.045.4			Lebanon Egypt	
system in rural areas of	60068769 60274043 60108617	Nourah Bint Abdulrahman University Lebanese American University	2.66E+1	3.61E+1			Saudi Arabia	
Pakistan	60104698	Faculty of Science Port Said University Al Baha University	0	0	2.66E+10	-	Pakistan	4
Toward Enhancing the								
Energy Efficiency and								
Minimizing the SLA								
Violations in Cloud Data		Port Said University Faculty of Management Technology and Information	5.72E+1	5.53E+1				
Centers	60108617 60274081 60110530	Systems University of Bisha	0	0	5.72E+10	-	Egypt Saudi Arabia	2
Development and								
implementation of two-								
stage boost converter for								
single-phase inverter	60020322 60239348 60004582	Suez Canal University Faculty of Engineering King Abdulaziz University						
without transformer for	60108617 60274042 60023291	Port Said University Faculty of Engineering- Port Said University	5.72E+1	3.65E+1				
PV systems	60273996	Menoufia University Faculty of Engineering	0	0	5.54E+10	_	Egypt Saudi Arabia	2
Synthesis,	60091164 60227320 60025733	Taif University Faculty of Science Kafrelsheikh University Northern		Ť			371 1	
characterization, DFT-	60104697 60004582 60274043	Border University King Abdulaziz University Faculty of Science Port Said						
TDDFT calculations and	60108617 60008708 60033041	University Faculty of Engineering Alexandria University Faculty of						
optical properties of a	60274042 60104893 60274173	Engineering- Port Said University Zewail City of Science and Technology						
		University of Science and Technology Tanta University Faculty of	5.34E+1	6.51E+0	53363409300			
novel pyrazole-1,2,3-	60011568 60221156 60110525						Franki Caudi Arabi:	_
triazole hybrid thin film	60193407 60273722	Science Majmaah University New Valley University Faculty of Science	0	9	36463135100	-	Egypt Saudi Arabia	2
Heuristic Approach for								
Net-Zero Energy								
Residential Buildings in								
Arid Region Using Dual		King Faisal University Port Said University Faculty of Engineering- Port						
Renewable Energy	60030736 60108617 60274042	Said University Faculty of Tourisim & Hotel Management Helwan	5.77E+1	4.38E+1	57732309400			
Sources	60273335 60029258	University	0	0	43762250600	-	Egypt Saudi Arabia	2
Correction to: Hydrogen								
production, storage,								
utilisation and								
environmental impacts: a	60029738 60108617 60274043	Queen's University Belfast Port Said University Faculty of Science			55362658600		United Kingdom	
review (Environmental	60092747 60025858 60018830	Egyptian Propylene and Polypropylene Company ETH Zürich Faculty of	5.54E+1	7.01E+0	39761537200		Oman Egypt	
Chemistry Letters,	60018623 60071768	Science South Valley University Sultan Qaboos University	0.0 1.2 1	9	57117662400	_	Switzerland	4
Oncominanty Letters,	00010020 00071700	ocionical ocasi. Fatter of inversity ocitain Quodos of inversity	U	9	5,11,002400		OTTICECTATIO	4

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10.1007/s10311-021-								
01322-8)								
Enhancing Healing								
Environment and		W. Friedlich and I.E. Bracker, Co. Co. Bracker, Co. Brack						
Sustainable Finishing		King Faisal University Faculty of Engineering-Port Said University Port						
Materials in Healthcare	60030736 60274042 60108617	Said University Helwan University Faculty of Tourisim & Hotel	5.77E+1	4.38E+1	57732309400			
Buildings	60029258 60273335	Management	0	0	43762250600	-	Egypt Saudi Arabia	2
Aspen Plus simulation of								
a low capacity organic		Tanta University Faculty of Engineering Port Said University Faculty of						
Rankine cycle heated by	60011568 60221163 60108617	Engineering- Port Said University The British University in Egypt Higher	3.67E+1	1.32E+1				
solar energy	60274042 60023356 112622616	Institute of Engineering and Technology	0	0	3.67E+10	-	Egypt	1
New analytical	i i	3,					071	
assessment for fast and								
complete pre-fault								
restoration of grid-								
		Suga Canal University Leasuity of Engineering Leasuity of Engineering						
connected FSWTs with	000000001 000000401 000740401	Suez Canal University Faculty of Engineering Faculty of Engineering	F 70F.4	0.005.4				
fuzzy-logic pitch-angle	60020322 60239348 60274042	Port Said University Port Said University Suez University Faculty of	5.72E+1	3.66E+1				
controller	60108617 60104710 60274484	Technology and Education	0	0	5.72E+10	-	Egypt	1
		Port Said University Faculty of Science College of Engineering and						
	60108617 60274043 60275183	Technology Arab Academy for Science, Technology and Maritime						
	60007253 60023356 60273444	Transport The British University in Egypt Centre for Theoretical Physics					Belgium Egypt	
lonospheric losses of	60005322 60121247 60025063	Ruhr-Universitat Bochum Departement Wiskunde KU Leuven Prince	5.72E+1	8.92E+0			Saudi Arabia	
Venus in the solar wind	60105222	Sattam Bin Abdulaziz University	0	9	6.6E+09	-	Germany	4
Multi-functional core-							,	
shell pomegranate peel								
amended alginate beads								
for phenol								
decontamination and bio-								
hydrogen production:								
Synthesis,								
characterization, and	60014618 60274043 60108617	National Research Centre Faculty of Science Port Said University	4.74E+1		47360967500			
kinetics investigation	60092747	Egyptian Propylene and Polypropylene Company	0	7.4E+09	57192696143	-	Egypt	1
Effect of using an infrared								
filter on the performance								
of a silicon solar cell for								
an ultra-high concentrator	60026479 60108617 60274042	University of Exeter Port Said University Faculty of Engineering- Port Said	5.72E+1				United Kingdom	
photovoltaic system	60104334	University Imam Abdulrahman Bin Faisal University	0	6.6E+09	5.72E+10		Egypt Saudi Arabia	3
Trajectory optimization for	00104004	Oniversity intanti/ibudataminan biri a asat oniversity	•	0.02.00	0.721.10		Egypt Cadai7 (labia	
UAV-assisted relay over								
5G networks based on								
reinforcement learning		Port Said University Faculty of Management Technology and Information	5.72E+1	5.72E+1				
framework	60108617 60274081 60274042	Systems Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt	1
A fast-tracking MPPT-				1		1		
based modified coot				1				
optimization algorithm for	60005762 60071150 60030804	Universiti Tenaga Nasional University of Mosul Swinburne University of		I		I		
PV systems under partial	60029157 60274042 60108617	Technology Universiti Malaya Faculty of Engineering- Port Said		5.79E+1			Iraq Egypt	
shading conditions	60111225	University Port Said University The Iraqi Ministry of Interior	5.9E+10	0	5.9E+10	-	Australia Malaysia	4
Sustainable Building				i	İ	1		
Optimization Model for	60012022 60231617 60108617	Mansoura University Faculty of Engineering Port Said University Future		5.72E+1				
	60002744 60273396	University in Egypt Faculty of Engineering & Technology	6.6E+09	0.726+1	5.72E+10		Educat	1
Early-Stage Design	00002744 00273390		0.05+09	<u> </u>	3./ZE+10		Egypt	1
		University of Tabuk Faculty of Engineering Mansoura University Faculty		1				
Potential application of	60110514 60231617 60012022	of Engineering Aswan University King Faisal University Faculty of		1				
solar still desalination in	60216392 60107271 60030736	Engineering- Port Said University Port Said University University of	3.68E+1	1				
NEOM region	60274042 60108617 60108699	Jeddah	0	5.7E+10	3.68E+10	-	Egypt Saudi Arabia	2
Implementation of								
boolean PSO for service				I	İ		1	
restoration using				1	1		1	
distribution network				1	1		1	
reconfiguration				1	1		1	
simultaneously with			6.51E+0	5.99E+1	1		1	
		1	0.315+0	0.995+1	1	ì	1	
distributed energy	60274042 110240053	Faculty of Engineering- Port Said University Port-Said Tropical Hospital	9	0	6.51E+09		Egypt	1

resources and capacitor banks Energetic, environmental	
Energetic, environmental	
1 1 1 1	
and economic (3E)	
analysis of a CSA	
algorithm optimized	
floatovoltaic system	
integrated with heat sink: Modeling with Faculty of Engineering- Port Said University Port Said University Kocaeli 5.65E+1 5.72E+1	
	Turkey 2
	Turkey 2
School of Chemical and Metallurgical Engineering University of the	
Experimental analysis Witwatersrand, Johannesburg Port Said University Faculty of and numerical simulation 60079227 60016218 60108617 Engineering - Port Said University Higher Future Institute of Engineering 5.72E+1 57194448020	
	South Africa 2
	South Africa 2
The potential of optimized floating between the control of the con	
floating photovoltaic system for energy 60274042 60108617 60273669 Faculty of Engineering- Port Said University Port Said University Faculty	
system or energy 60274042 60106017 60273669 radiuty of Engineering Port Said University) radiuty of Engineering Port Said University radiuty of Engineering Delta University for Science and Technology Tanta 5.65E+1 5.72E+1	
	Saudi Arabia 2
	Saudi Arabia 2
Combined experimental and theoretical study,	
and theoretical study,	
Unialacterization, and	
nonunear opticat properties of doped-poly	
(p-nitroaniline -co- o- 60104697 60273722 60193407 Northern Border University Faculty of Science New Valley University 5.79E+1 1.63E+1	
	Saudi Arabia 2
ammophemory minimum occupancy occupa	Jadul Alabia 2
Air-Caminatori of mid	
fluid-structure interaction 60274042 60108617 60033041 Faculty of Engineering- Port Said University Port Said University 5.72E+1	
Strategy 60008708 Alexandria University Faculty of Engineering 0 6.6E+09 5.72E+10 - Egypt	1
Facile synthesis of single-	
crystal of o-phenylene	
diamine dihydrochloride 60004582 60274043 60108617 King Abdulaziz University Faculty of Science Port Said University Assiut	
as a polychloride and 60000617 60273722 60273131 University Faculty of Science Faculty of Science Northern Border	
	l Kingdom
	a Egypt
semiconductor thin film 60010333 University Faculty of Science 0 9 6505746085 - Saudi.	
Green retrofitting of	
heritage buildings based	
on (3Ts) framework: An 5.79E+1 5.59E+1	
applied case study 60108617 60274042 Port Said University Faculty of Engineering- Port Said University 0 0 5.79E+10 Egypt	1
Experimental validation of	
a low-cost maximum	
power point tracking	
technique based on	
artificial neural network 5.72E+1 5.72E+1	
for photovoltaic systems 60108617 60274042 Port Said University Faculty of Engineering- Port Said University 0 0 5.72E+10 - Egypt	1
Comprehensive Review of	
Renewable Energy	
	Egypt
for Smart Systems 60274042 of Engineering- Port Said University 0 0 5.72E+10 - Nigeria	a 3
Innovative metaheuristic	
algorithm with	
comparative analysis of	
MPPT for 5.5 kW floating Faculty of Engineering- Port Said University Fort Said University Fort Said University	
	Saudi Arabia 2
Acid-hydrolysed furfural	
production from rice	
straw bio-waste: Process	
Launthoric cimulation LC00704001 C000000001 LC00100017 LC0010000001 LC0010000001 LC00100000000 LC001000000000 LC0010000000000000000000000000000000000	
synthesis, simulation, 60273423 60023356 60108617 Faculty of Engineering The British University in Egypt Port Said 5.75E+1 5.59E+1 5.59E+1 and optimisation 60274042 University Faculty of Engineering - Port Said University 0 0 5.59E+10 - Egypt	1

Holistic design of energy-	T							
efficient temporary								
houses: Meeting								
ventilation, heating,								
cooling, and lighting			5.72E+1	3.53E+1				
demands	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0.722.1	0	5.72E+10	_	Egypt	1
Electrical and	00100017 0027 10 12	r or our or or or or or or or or or or or or or	Ů	Ů	01722 10		-8/64	-
thermoelectrical		Faculty of Science Sohag University King Salman International						
properties of Bi2-xNaxTe3	60273824 60014101 60273930	University Field of Engineering Port Said University Faculty of	3.49E+1					
alloys	60273941 60108617 60274042	Engineering- Port Said University	0.432.11	3.5E+10	3.49E+10		Edurat	1
Solar Chimney	002/3541 0010801/ 002/4042	Eligiliceting-Fort Salu Oliversity	0	3.3E+10	3.43E+10		Egypt	1
Performance Driven Air								
Ventilation Promotion: An								
Investigation of Various		Burgardah Driveta Calledge L Faculty of Engineering Dort Said University				5.72E+1		
Configuration Parameters	60274638 60274042 60108617	Buraydah Private Colleges Faculty of Engineering- Port Said University Port Said University			5.72E+10	0.72E+1	Egypt Saudi Arabia	2
	602/4636 602/4042 60108617	Port Salu Oniversity	-	-	5.72E+10	U	Egypt Sauui Aiabia	
A Novel Circuit								
Configuration for the								
Integration of Modular		11.5 - 27.7 No. 1 11.5 11.5 12.5 12.5 - 12.						
Multilevel Converter With		Universiti Tenaga Nasional Faculty of Engineering- Port Said University						
Large-Scale Grid-	60005762 60274042 60108617	Port Said University Swinburne University of Technology University of	5.72E+1	5.59E+1			Egypt Saudi Arabia	
Connected PV Systems	60030804 60104671	Ha'il	0	0	5.72E+10	-	Australia Malaysia	4
High-performance 2D/3D								
hybrid dimensional p-n								
heterojunction solar cell								
with reduced	60027741 60004871 60274951	King Khalid University Al-Azhar University Faculty of Science Riphah					Egypt Tunisia	
recombination rate by an	60070611 60274043 60108617	International University Faculty of Science Port Said University		3.71E+1			Saudi Arabia	
interfacial layer	60064746	University of Sfax	6.6E+09	0	5.72E+10	-	Pakistan	4
A Novel Model Predictive								
Speed Controller for								
PMSG in Wind Energy			5.77E+1	5.72E+1				
Systems	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	0	5.77E+10	-	Egypt	1
New Analysis Framework								
of Lyapunov-Based								
Stability for Hybrid Wind								
Farm Equipped with FRT:								
A Case Study of Egyptian	60239348 60020322 60108617	Faculty of Engineering Suez Canal University Port Said University	5.72E+1	4.61E+1				
Grid Code	60274042	Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt	1
Electrical, dielectric, I-V								
and antimicrobial		University of the Punjab National University of Computer and Emerging						
behavior of cobalt		Sciences Lahore Punjab University College of Pharmacy University of						
incapacitated Prussian	60053707 60070602 60222517	Engineering and Technology, Lahore King Khalid University Laboratoire					Tunisia Egypt	
blue graphene ferrites	60056462 60027741 123704645	des matériaux et de l'environnement pour le développement durable	5.72E+1				Saudi Arabia	
composite	60108617 60274043	LR18ES10 Port Said University Faculty of Science	0	6.6E+09	5.72E+10	-	Pakistan	4
Optical losses and	·				-			
durability of flawed								
Fresnel lenses for								
concentrated	60026479 60104334 60274042	University of Exeter Imam Abdulrahman Bin Faisal University Faculty of	5.72E+1				United Kingdom	
photovoltaic application	60108617	Engineering- Port Said University Port Said University	0	6.6E+09	5.72E+10	-	Egypt Saudi Arabia	3
Thermal annealing effect		3 3 444 471 4 444 471					33. 1	
on the structural and								
optical characteristics of								
silicon phthalocyanine	60108617 60274042 60020322	Port Said University Faculty of Engineering- Port Said University Suez	9.64E+0	5.72E+1				
dichloride thin films	60239261 60274043	Canal University Faculty of Science Faculty of Science	9	0.722.1	5.72E+10	_	Egypt	1
A retrofitting framework	11110101 001 10 10			<u> </u>	0.7ZL-10		-015,	
for improving curtain wall								
performance by the								
integration of adaptive		Port Said University Faculty of Engineering- Port Said University Dar Al	5.87E+1	5.72E+1				
technologies	60108617 60274042 60193233	Uloom University	5.8/E+1 0	5.72E+1 0	5.87E+10	l <u>.</u>	Egypt Saudi Arabia	2
_	0010001/ 002/4042 00133233	Ottom onlycially	U	U	3.0/E+1U	-	Egypt Sauth Aldbid	
Optical component								
analysis for ultrahigh								
concentrated	C000C4701 C01040041 C00740401	Habitania of Francis Incom Abdulasharan Dia Faired Habitania (1997)	F 70F.1				United Windstown	
photovoltaic system	60026479 60104334 60274042	University of Exeter Imam Abdulrahman Bin Faisal University Faculty of	5.72E+1	0.05:00	5 705 · 4 °		United Kingdom	
(UHCPV)	60108617	Engineering- Port Said University Port Said University	0	6.6E+09	5.72E+10	-	Egypt Saudi Arabia	3

Highly Efficient MPP								
Tracker Based on								
Adaptive Neuro-fuzzy								
Inference System for		Al-Azhar University Faculty of Engineering Peter the Great St. Petersburg						
Stand-Alone Photovoltaic	60004871 60274955 60017103	Polytechnic University Port Said University Faculty of Engineering-Port	5.72E+1	5.72E+1			Egypt Russian	
Generator System	60108617 60274042	Said University	0	0	5.78E+10		Federation	2
	00100017 00274042	Guid Grillversity	•	·	0.702.10		1 cuciation	
Internal Power Balancing								
of an MMC-Based Large-		Port Said University Faculty of Engineering- Port Said University						
Scale PV System Under	60108617 60274042 60005762	Universiti Tenaga Nasional Swinburne University of Technology	5.72E+1	5.72E+1	57221120034		India Egypt	
Unbalanced Voltage Sags	60030804 60189940	Presidency University Bangalore	0	0	57928298500	-	Australia Malaysia	4
Effect of (SbS) addition on								
the physical properties of								
quaternary (CdTe)100-								
		King Khalid Hairanik I Hairanik ad Céarl Hairanik ad Combanya Jankin k						
x(SbS)x (0 ≤ x ≤ 28 at. %)	00007744 00004740 00070040	King Khalid University University of Sfax University of Carthage, Institut	0.005.4				Example 2001	
glasses and band gap	60027741 60064746 60070319	Préparatoire aux Etudes d'Ingénieurs de Nabeul University of Carthage	2.29E+1				Egypt Tunisia	
engineering	60070324 60274043 60108617	Faculty of Science Port Said University	0	6.6E+09	2.29E+10	-	Saudi Arabia	3
Effects of turbulence								
modelling on the								
predictions of the								
pressure distribution								
around the wing of a		The 11 street of the 12	F 70F				11.2.16.16.11	
small scale vertical axis		The University of Sheffield Port Said University Faculty of Engineering-	5.72E+1				United Kingdom	
wind turbine	60001881 60108617 60274042	Port Said University	0	7E+09	-	-	Egypt	2
Alloyed Ag2SexS1-x								
quantum dots with red to								
NIR shift: The band gap								
		Jaypee University of Information Technology, Solan Government						
tuning with dopant	0040444014007040001000077441		5 00E .4	0.555.4			1. 5. 15	
content for energy	60104116 123734903 60027741	Polytechnic Paonta Sahib King Khalid University Port Said University	5.83E+1	3.55E+1			India Egypt Saudi	
harvesting applications	60108617 60274043 60013164	Faculty of Science Himachal Pradesh University	0	0	5.83E+10	-	Arabia	3
		Université d'Echahid Hamma Lakhdar – El-oued Port Said University						
A reduced vector model		Faculty of Engineering- Port Said University Universiti Malaya Swinburne						
predictive controller for a		University of Technology National Academy of Sciences of Ukraine						
three-level neutral point	60105417 60108617 60274042	Institute of Electrodynamics of the National Academy of Sciences of					Algeria India	
	60029157 60030804 60011313	Ukraine Graphic Era Deemed to be University Al-Ahliyya Amman						
clamped inverter with			5 07E .4	5 70F.4			Egypt Jordan	
common-mode voltage	60104554 60103785 60058937	University Graphic Era Hill University Center for Information-analytical	5.87E+1	5.72E+1	55606990800		Australia Malaysia	
suppression	60122498 60280518	and Technical Support of Nuclear Power Facilities Monitoring of th	0	0	57189048184	-	Ukraine	7
Hybrid Floating Power								
Station driven by								
Renewable Energy for								
Saudi Arabia Coastal	60280981 60013119 60108617	Nile Research Institute (NRI) National Water Research Center (NWRC)	3.69E+1	5.72E+1				
Areas	60274042	Port Said University Faculty of Engineering- Port Said University	0.002.1	0.722.1			Fature t	1
	00274042	Fort Salu Oniversity Faculty of Engineering- Fort Salu Oniversity	U	U	-	-	Egypt	1
Recent Advances in								
Floating Photovoltaic			5.72E+1	5.72E+1			United Kingdom	
Systems	60108617 60025655	Port Said University Teesside University	0	0	5.72E+10	-	Egypt	2
Fabrication, carrier								
transport mechanisms								
and photovoltaic								
properties of Au/silicon								
phthalocyanine	004000471 000740401	B. (0.701)						
dichloride/p-Si/Al	60108617 60274042 60020322	Port Said University Faculty of Engineering- Port Said University Suez	5.72E+1	3.71E+1				
heterojunction device	60239261 60274043	Canal University Faculty of Science Faculty of Science	0	0	5.72E+10	-	Egypt	1
Physical properties and								
DFT calculations of the								
hybrid organic polymeric								
nanocomposite thin film	000055401 000007001 000400001	0						
[P(An+o-	60025518 60092702 60216969	Qassim University Faculty of Women - Ain Shams University College of						
Aph)+Glycine/TiO2/]HNC	60016618 60010333 60107271	Science Ain Shams University Faculty of Science Aswan University						
with 7.42% power	60004582 60274043 60108617	King Abdulaziz University Faculty of Science Port Said University New	5.72E+1	6.51E+0				
conversion efficiency	60193407 60273722 60104697	Valley University Faculty of Science Northern Border University	0	9	6.51E+09	-	Egypt Saudi Arabia	2
Simulation of glass fiber						ĺ		
reinforced polypropylene		Port Said University Faculty of Engineering- Port Said University King				l	1	
	601096171 602740421 600121921		E 70E 14	E 70E 14]	1	
nanocomposites for small	60108617 60274042 60013183	Saud University Zewail City of Science and Technology University of	5.72E+1	5.72E+1		l	F	_
wind turbine blades	60104893 60274173	Science and Technology	0	0	6.6E+09	-	Egypt Saudi Arabia	2

Fabrication	I					I	I	
Fabrication,								
characterization and								
optical properties of								
poly(p-								
phenylenediamine- co-o-	601046071 600045931 601096171	Northern Berder University Wing Abdulatia University Both Calif	6 515.0	1 605.4				
aminophenol)	60104697 60004582 60108617	Northern Border University King Abdulaziz University Port Said	6.51E+0	1.63E+1	0.545.00		Franti Courti Arrabia	_
nanostructure thin film	60274043	University Faculty of Science	9	0	6.51E+09	-	Egypt Saudi Arabia	2
Performance								
Enhancement of Solar								
Still Unit Using v-		Suez Canal University Faculty of Agriculture Faculty of Engineering- Port						
Corrugated Basin,		Said University Port Said University School of Chemical and						
Internal Reflecting Mirror,	60020322 60239219 60274042	Metallurgical Engineering University of the Witwatersrand,						
Flat-Plate Solar Collector	60108617 60079227 60016218	Johannesburg University of Oradea American University of the Middle	5.64E+1	5.72E+1	55963977100		Egypt South Africa	
and Nanofluids	60026575 60105846	East	0	0	55961235600	-	Kuwait Romania	4
Surface modification of								
Co3O4 nanostructures								
using wide range of		Mehran University of Engineering & Technology University of Sindh NED						
natural compounds from	60041178 60035791 60060302	University of Engineering & Technology Université de Lorraine CNRS						
rotten apple juice for the	60104289 60008134 60003662	Centre National de la Recherche Scientifique Universidad de Málaga						
efficient oxygen evolution	60108617 60013183 60005353	Port Said University King Saud University College of Sciences Princess	5.77E+1	5.72E+1			Egypt Saudi Arabia	
reaction	60105146	Nourah Bint Abdulrahman University	0	0	5.72E+10	-	Pakistan France	4
Experimental study on the								
motion response of an								
integrated floating								
desalination plant and		Port Said University Faculty of Engineering- Port Said University						
offshore wind turbine on a	60108617 60274042 60024724	University of Strathclyde Water Resources and Desert Lands Division	5.72E+1	8.35E+0			United Kingdom	
non-ship platform	60272999 60028225 60016618	Desert Research Center Ain Shams University	0	9	8.35E+09	-	Egypt	2
Wind-water experimental								
analysis of small sc-								
darrieus turbine: An								
approach for energy								
production in urban		Universidad de Oviedo Faculty of Engineering-Port Said University Port	5.72E+1	5.72E+1				
systems	60006793 60274042 60108617	Said University	0	0	5.72E+10	-	Spain Egypt	2
From seashells to	·							
sustainable energy:								
Trailblazing the utilization								
of Anadara uropigimelana								
shells for sustainable	60014618 60108625 60004238	National Research Centre University of Sadat City Faculty of Science						
biohydrogen production	60033041 60274043 60108617	Alexandria University Faculty of Science Port Said University Egyptian	4.74E+1	5.72E+1				
from leftover cooking oil	60092747	Propylene and Polypropylene Company	0	0	5.72E+10	-	Egypt	1
A demand side response								
scheme for enhancing								
power system security in								
the presence of wind		Faculty of Engineering- Port Said University Port Said University	5.72E+1					
power	60274042 60108617 60030788	Hiroshima University	0	7E+09	5.72E+10	-	Japan Egypt	2
A study of 2H and 1T	·	,						
phases of Janus								
monolayers and their van								
der Waals heterostructure								
with black phosphorene								
for optoelectronic and		Hazara University Pakistan University of Electronic Science and						
thermoelectric	60070606 60005465 60027741	Technology of China King Khalid University Faculty of Science Port Said	5.72E+1				China Egypt Saudi	
applications	60274043 60108617	University	0	6.6E+09	4.13E+10	-	Arabia Pakistan	4
Fabrication and	1, 12, 22, 2	,	_					
characterization of								
polypyrrole/multi-walled	60004582 60274042 60108617	King Abdulaziz University Faculty of Engineering- Port Said University						
carbon nanotubes thin	60274173 60104893 60033041	Port Said University University of Science and Technology Zewail City of						
films using thermal	60008708 60274043 60193407	Science and Technology Alexandria University Faculty of Engineering		6.51E+0				
evaporation	60273722	Faculty of Science New Valley University Faculty of Science	5.6E+10	9	5.72E+10	_	Egypt Saudi Arabia	2
Optoelectronic and photo		2. Solonoo Non Yakay aminology adatty of defende	5.52.10		5.722.10		-0791 000017110010	
response performance of								
n-tris phenylpyridinato	60274042 60108617 60107578	Faculty of Engineering- Port Said University Port Said University	5.72E+1	3.71E+1				
iridium/p-Si	60273133 60274043	Damietta University Faculty of Science Faculty of Science	0.72L11	0.711.11	5.72E+10	_	Egypt	1
	3200 0027 10 10	Shirt start, I addity of defende I dedity of defende	v	J	0.72L · 10		-017'	1

							1	
heterojunction device for								
photovoltaic applications								
Study the Effect of								
Winglet Height Length on								
the Aerodynamic								
Performance of								
Horizontal Axis Wind								
Turbines Using		Al Baha University Institute of Aviation Engineering and Technology						
Computational	60104698 60324598 60274042	Faculty of Engineering- Port Said University Port Said University Faculty	5.58E+1	5.75E+1				
Investigation	60108617 60273899 60027423	of Engineering Fayoum University	0	0	5.75E+10	-	Egypt Saudi Arabia	2
Maximum Power								
Extraction from Polymer								
Electrolyte Membrane								
(PEM) Fuel Cell Based on								
Deterministic Particle								
Swarm Optimization			5.77E+1	5.72E+1				
Algorithm	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0.722.1	_	_	Egypt	1
Design and synthesis of	60004582 60008708 60033041	King Abdulaziz University Faculty of Engineering Alexandria University	, i				-6/101	
high-performance	60108617 60274043 60273722	Port Said University Faculty of Science Faculty of Science New Valley		6.51E+0				
polymer blend solar cell	60193407	University	7E+09	9	3.65E+10		Egypt Saudi Arabia	2
	00100407	Oniversity	72709	J	3.03E+10	-	Egypt Saudi Alabid	
A simulation study of the								
effect of post-combustion								
amine-based carbon-								
capturing integrated with								
solar thermal collectors		Egyptian Methanex Methanol Company (EMethanex) Faculty of						
for combined cycle gas	129405422 60273423 60023356	Engineering The British University in Egypt Port Said University Faculty	5.81E+1	5.65E+1				
power plant	60108617 60274042	of Engineering- Port Said University	0	0	5.81E+10	-	Egypt	1
Synthesis, structural and								
optical characterizations								
of ZrO2-bromothymol								
blue nanocomposite thin-								
film [ZrO2+BTB]C and its	60104697 60273722 60193407	Northern Border University Faculty of Science New Valley University						
application: experimental	60221156 60011568 60273131	Faculty of Science Tanta University Faculty of Science Assiut						
and TDD-DFT	60000617 60004582 60274043	University King Abdulaziz University Faculty of Science Port Said	5.72E+1		57208178810			
computations	60108617	University	0	5.9E+10	59499324900	-	Egypt Saudi Arabia	2
Two Bio-inspired MPPT								
Algorithms to Harvest the								
Maximum Power from			5.77E+1	5.72E+1				
Partially Shaded PV Arrays	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0	-	-	Egypt	1
,	·	Faculty of Engineering Mansoura University Mustaqbal University Delta					071	
		Higher Institute of Engineering and Technology Shaqra University						
Forecasting wind power	60231617 60012022 60277868	Faculty of Computer and Information Sciences Ain Shams University Al-						
based on an improved al-	123707192 60110524 60217005	Ahliyya Amman University Middle East University Jordan Universiti Sains						
Biruni Earth radius	60016618 60058937 60109124	Malaysia Al Al-Bayt University Applied Science Private University						
metaheuristic	60000906 60036479 60043655	Princess Nourah Bint Abdulrahman University Port Said University	5.72E+1	5.72E+1	57191347112		Egypt Saudi Arabia	
optimization algorithm	60105146 60108617 60274042	Faculty of Engineering- Port Said University	0	0	57695465800		Jordan Malaysia	4
Forecasting Methods in	1111111 0010001 002/4042	,		3	2,000,00000		- oracing ratayola	-
Various Applications								
Using Algorithm of								
Estimation Regression								
Models and Converting			5.52E+1					
Data Sets into Markov	601006171 60274042	Part Said University L. Fear thy of Saignes	I	6 55,00	E E0E : 40		Educat	.
Model	60108617 60274043	Port Said University Faculty of Science	0	6.5E+09	5.52E+10	-	Egypt	1
Waste Cooking Oil		Faculty of Engineering The British University in Egypt University of						
Management in Egypt:	00070400100000000	Leeds UC San Diego Jacobs School of Engineering University of						
Production of Biodiesel-	60273423 60023356 60012070	California, San Diego Faculty of Engineering- Port Said University Port						
Development of Rapid	60121663 60030612 60274042	Said University Department of Engineering, Lancaster University	5.72E+1				United Kingdom	
Test Method	60108617 60117770 60023643	Lancaster University	0	7.2E+09	5.75E+10	-	Egypt United States	3
Experimental								
investigation of a nano								
coating efficiency for dust			5.72E+1	5.72E+1		1		
mitigation on	60108617 60274042	Port Said University Faculty of Engineering-Port Said University	0	0	5.72E+10	-	Egypt	1

	I				I		1	
photovoltaic panels in								
harsh climatic conditions								
Enhanced biohydrogen								
production from								
thermally hydrolysed pulp								
and paper sludge via	60026365 60010294 60274043	Faculty of Science Cairo University Faculty of Science Port Said						
Al2O3 and Fe3O4	60108617 60010884 60014618	University Western University National Research Centre Faculty of	5.72E+1	5.72E+1				
nanoparticles	60002575	Engineering	0	0	5.72E+10	-	Egypt Canada	2
Probabilistic Assessment							3,1	
of Available Transfer								
Capability Incorporating								
Load and Wind Power			5.82E+1	5.72E+1				
Uncertainties	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0.021.1	0.721.1	5.72E+10		Egypt	1
Elastic moduli and	00274042 00108017	raculty of Eligineering-Fort Salu Oniversity Fort Salu Oniversity	0	0	J./2E+10	-	Едурі	1
	000044041 000077441 004000471	Tarana and the same and the sam						
theoretical estimations of	60091164 60027741 60108617	Taif University King Khalid University Port Said University Faculty of						
physical properties of	60274043 60108699 60274951	Science University of Jeddah Faculty of Science Al-Azhar University	5.72E+1		57193526449			
Ge3Se7–As2Te3	60004871 60110525	Majmaah University	0	6.6E+09	6602133954	-	Egypt Saudi Arabia	2
Furosemide drug as a								
corrosion inhibitor for								
carbon steel in 1.0 M	60274043 60108617 60012022	Faculty of Science Port Said University Mansoura University Faculty of	5.72E+1	5.86E+1				
hydrochloric acid	60012078	Science	0	0	5.72E+10	-	Egypt	1
Combined experimental								
and TDDFT computational								
studies of the optical and								
electrical characteristic	60025518 60092702 60216969	Qassim University Faculty of Women - Ain Shams University College of						
of luminol films-doped	60016618 60107271 60010333	Science Ain Shams University Aswan University Faculty of Science						
TiO2 with 9.027% power	60004582 60108617 60274043	King Abdulaziz University Port Said University Faculty of Science New	5.72E+1	6.51E+0				
conversion efficiency	60193407 60273722 60104697	Valley University Faculty of Science Northern Border University	0.726+1	9	6.51E+09		Egypt Saudi Arabia	2
	00193407 00273722 00104097	Valley Offiversity Faculty of Science Northern Border Offiversity	0	9	0.315+09	-	Egypt Saudi Alabia	
Improving Power Quality								
Problems of Isolated MG								
Based on ANN Under								
Different Operating	60026746 60274042 60108617	El Shorouk Academy Faculty of Engineering- Port Said University Port						
Conditions Through PMS	60092747 60027741 60239348	Said University Egyptian Propylene and Polypropylene Company King	5.72E+1	5.72E+1				
and ASSC Integration	60020322	Khalid University Faculty of Engineering Suez Canal University	0	0	5.72E+10	-	Egypt Saudi Arabia	2
Enhancing Misalignment								
Tolerance Using Naturally								
Decoupled Identical								
Dual-Transmitter-Dual-								
Receiver Coils for		Universiti Malaya Faculty of Engineering- Port Said University Port Said			57216687062			
Wireless EV Charging	60029157 60274042 60108617	University Swinburne University of Technology Presidency University	5.72E+1	5.79E+1	25930079700		India Egypt	
System	60030804 60189940	Bangalore	0	0	57928298500	-	Australia Malaysia	4
Effect of the decrease of								
Pb concentration on the								
properties of pentarnary								
mixed-halide perovskites								
CsPb8-xSnxlBr2 and								
CsPb8-xSnxl2Br (1≤x≤7)	60046149 60003977 60004716	Allama Iqbal Open University Northwestern Polytechnical University					China Egypt Saudi	
for solar-cell	113085648 60027741 60274043	University of Ioannina National Center for Physics King Khalid	5.72E+1				Arabia Pakistan	
applications: A DFT study	60108617	University Faculty of Science Port Said University	0.72E+1	6.6E+09	5.72E+10		Greece	5
	00100017	Oniversity 1 acutty of science 1 of said Office(sity	- ·	0.05703	J./ZE+10	_	JIEEGE	5
Reliability and								
temperature limits of the								
focal spot of a primary								
optical component for an		l					1	
ultra-high concentrated	60026479 60108617 60274042	University of Exeter Port Said University Faculty of Engineering - Port Said	5.72E+1				United Kingdom	
photovoltaic system	60104334	University Imam Abdulrahman Bin Faisal University	0	6.6E+09	5.72E+10	-	Egypt Saudi Arabia	3
Exploring critical barriers								
towards the uptake of	60108617 60017406 60009254	Port Said University Purdue Polytechnic Institute Purdue University						
renewable energy usage	60002744 60273396 60016618	Future University in Egypt Faculty of Engineering & Technology Ain	5.92E+1	3.62E+1				
in Egypt	60216991	Shams University Faculty of Engineering Ain Shams University	0	0	5.72E+10	-	Egypt United States	2
Experimental and								
Numerical Performance						1		
Assessment of East-West	60010146 60274042 60108617	Università degli Studi di Catania Faculty of Engineering- Port Said	5.73E+1	5.69E+1			1	
Bifacial Photovoltaic	60027994	University Port Said University Enel	0	0	5.92E+10	-	Egypt Italy	2
	t e e e e e e e e e e e e e e e e e e e	21 21 21 21 21 21					371 1 17	

Floating System in								
Freshwater Basins								
		Beijing Institute of Technology School of Automation, Beijing Institute of						
Coupling DFIG-Based	60016835 60129547 60274042	Technology Faculty of Engineering- Port Said University Port Said					United Arab	
Wind Turbines with the	60108617 60070813 60273137	University University of Sharjah Faculty of Engineering Assiut					Emirates China	
Grid under Voltage	60000617 60016297 60019909	University Saint Mary's University University of Wisconsin-Milwaukee	5.73E+1	9.33E+0			Egypt United	
Imbalance Conditions	60158572	College of Engineering & Applied Science	0	9	1.28E+10	-	States Canada	5
Simulating mitigation								
scenarios for natural and		Jouf University Institute of Science Tokyo Mansoura University Faculty						
artificial inlets closure	60104126 60283164 60012022	of Engineering Port Said University Faculty of Engineering- Port Said					Japan Egypt Saudi	
through validated	60231617 60108617 60274042	University University of California Kearney Agricultural Research and	5.61E+1				Arabia United	
morphodynamic models	60008493	Extension Center	0	5.7E+10	5.7E+10	_	States	4
A novel renewable energy	00000400	Extension denter	·	0.72.10	0.71.10		Giates	
powered zero liquid		Port Said University The British University in Egypt Faculty of						
	004000471 000000001 000704001	, , , , ,		F 70F.4				
discharge scheme for RO	60108617 60023356 60273423	Engineering College of Engineering and Computing Missouri University	4.45.40	5.72E+1	5.705.40		F	
desalination applications	60146648 60024728	of Science and Technology	1.4E+10	0	5.72E+10	-	Egypt United States	2
Graphical analysis and								
revamping of crude		Higher Institute of Engineering and Technology University College						
distillation units under	127310401 60022148 60146648	London College of Engineering and Computing Missouri University of						
variable operational	60024728 60108617 60010294	Science and Technology Port Said University Cairo University Faculty of	5.79E+1	7.01E+0			United Kingdom	
scenarios	60002575	Engineering	0	9	5.72E+10	-	Egypt United States	3
Technical and economic								
feasibility of the first wind								
farm on the coast of						1.63E+1		
Mediterranean Sea	60274043 60108617	Faculty of Science Port Said University				0	Egypt	1
	00274043 00108017	Faculty of Science Fort Said Offiversity	-	-	-	0	Egypt	1
Comprehensive								
Optimisation of Biodiesel								
Production Conditions via		London South Bank University The British University in Egypt Faculty of						
Supercritical	60031237 60023356 60273423	Engineering University of Leeds Port Said University Faculty of						
Methanolysis of Waste	60012070 60108617 60274042	Engineering- Port Said University Lancaster University Department of	5.72E+1				United Kingdom	
Cooking Oil	60023643 60117770	Engineering, Lancaster University	0	7.2E+09	7.2E+09	-	Egypt	2
Impact of indium content		King Khalid University Faculté des Sciences de Monastir Université de						
on the thermoelectric	60027741 60091646 60050038	Monastir Faculté des Sciences de Sfax University of Sfax University of						
power, dark conductivity,	60091680 60064746 60070319	Carthage, Institut Préparatoire aux Etudes d'Ingénieurs de Nabeul						
and photoconductivity of	60070324 60274951 60004871	University of Carthage Faculty of Science Al-Azhar University University	9.25E+0				From El Tominia I	
							i Egypti Tunisiai - i	
				6.6E+09	6.6E+09	_	Egypt Tunisia Saudi Arabia	3
Ge–As–Te thin films	60108699 60274043 60108617	of Jeddah Faculty of Science Port Said University	9	6.6E+09	6.6E+09	-	Saudi Arabia	3
		of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology		6.6E+09	6.6E+09	-		3
		of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering-		6.6E+09	6.6E+09	-		3
		of Jeddah Faculty of Science Port Said University Universite Ferhat Abbas Setif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya		6.6E+09	6.6E+09	-		3
Ge-As-Te thin films	60108699 60274043 60108617	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasionat Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National		6.6E+09	6.6E+09	-	Saudi Arabia	3
Ge-As-Te thin films A fuzzy-predictive current	60108699 60274043 60108617 60068741 60030804 60005762	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the		6.6E+09		-	Saudi Arabia Algeria India	3
Ge-As-Te thin films A fuzzy-predictive current control with real-time	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information-	9		36805436300	-	Saudi Arabia Algeria India Egypt Saudi Arabia	3
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of	9 5.73E+1	5.92E+1	36805436300 57189048184	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information-	9		36805436300	-	Saudi Arabia Algeria India Egypt Saudi Arabia	3
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of	9 5.73E+1	5.92E+1	36805436300 57189048184	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of	9 5.73E+1	5.92E+1	36805436300 57189048184	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of	9 5.73E+1	5.92E+1	36805436300 57189048184	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of	9 5.73E+1	5.92E+1	36805436300 57189048184	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasionat Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University	5.73E+1 0	5.92E+1 0	36805436300 57189048184 59198121200	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Malaysia Ukraine United Kingdom	8
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th	5.73E+1 0	5.92E+1 0 5.72E+1	36805436300 57189048184	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Malaysia Ukraine	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasionat Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University	5.73E+1 0	5.92E+1 0 5.72E+1	36805436300 57189048184 59198121200	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Malaysia Ukraine United Kingdom	8
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasionat Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University	5.73E+1 0	5.92E+1 0 5.72E+1	36805436300 57189048184 59198121200	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Malaysia Ukraine United Kingdom	8
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasionat Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde	5.73E+1 0 5.68E+1	5.92E+1 0 5.72E+1	36805436300 57189048184 59198121200	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Malaysia Ukraine United Kingdom	8
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Universite Ferhat Abbas Setif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University At-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde El Ain El Sokhna Faculty of Engineering- Port Said University Port Said	5.73E+1 0 5.68E+1 0	5.92E+1 0 5.72E+1 0	36805436300 57189048184 59198121200 8.35E+09	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Mataysia Ukraine United Kingdom Egypt	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasionat Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde	5.73E+1 0 5.68E+1	5.92E+1 0 5.72E+1	36805436300 57189048184 59198121200	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Malaysia Ukraine United Kingdom	8
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities Environmentally-driven	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Universite Ferhat Abbas Setif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University At-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde El Ain El Sokhna Faculty of Engineering- Port Said University Port Said	5.73E+1 0 5.68E+1 0	5.92E+1 0 5.72E+1 0	36805436300 57189048184 59198121200 8.35E+09	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Mataysia Ukraine United Kingdom Egypt	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities Environmentally-driven design of a floating	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Universite Ferhat Abbas Setif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde El Ain El Sokhna Faculty of Engineering- Port Said University Port Said University Suez Canal University Faculty of Engineering	5.73E+1 0 5.68E+1 0	5.92E+1 0 5.72E+1 0 5.72E+1	36805436300 57189048184 59198121200 8.35E+09	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Mataysia Ukraine United Kingdom Egypt	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities Environmentally-driven	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Universite Ferhat Abbas Setif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University At-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde El Ain El Sokhna Faculty of Engineering- Port Said University Port Said	5.73E+1 0 5.68E+1 0	5.92E+1 0 5.72E+1 0 5.72E+1	36805436300 57189048184 59198121200 8.35E+09	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Mataysia Ukraine United Kingdom Egypt	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities Environmentally-driven design of a floating	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Universite Ferhat Abbas Setif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde El Ain El Sokhna Faculty of Engineering- Port Said University Port Said University Suez Canal University Faculty of Engineering	5.73E+1 0 5.68E+1 0	5.92E+1 0 5.72E+1 0 5.72E+1	36805436300 57189048184 59198121200 8.35E+09	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Mataysia Ukraine United Kingdom Egypt	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities Environmentally-driven design of a floating desalination platform	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University Al-Ahliyya Amman University Graphic Era Deemed to be University Al-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Center for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde El Ain El Sokhna Faculty of Engineering- Port Said University Port Said University Suez Canal University Faculty of Engineering	5.73E+1 0 5.68E+1 0	5.92E+1 0 5.72E+1 0 5.72E+1	36805436300 57189048184 59198121200 8.35E+09	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Mataysia Ukraine United Kingdom Egypt	
Ge-As-Te thin films A fuzzy-predictive current control with real-time hardware for PEM fuel cell systems Hybrid compressed air energy storage system and control strategy for a partially floating photovoltaic plant Real-time V2G simulator for grid system frequency and voltage regulation with fault ride-through capabilities Environmentally-driven design of a floating desalination platform (Case study: Reverse	60108699 60274043 60108617 60068741 60030804 60005762 60108617 60274042 60103785 60058937 60122462 60011313 60104554 60280518 60274042 60108617 60024724 131371669 60274042 60108617 60020322 60239348	of Jeddah Faculty of Science Port Said University Université Ferhat Abbas Sétif 1 Swinburne University of Technology Universiti Tenaga Nasional Port Said University Faculty of Engineering- Port Said University Graphic Era Deemed to be University At-Ahliyya Amman University University of Business and Technology National Academy of Sciences of Ukraine Institute of Electrodynamics of the National Academy of Sciences of Ukraine Cherter for Information- analytical and Technical Support of Nuclear Power Facilities Monitoring of th Faculty of Engineering- Port Said University Port Said University University of Strathclyde Et Ain Et Sokhna Faculty of Engineering- Port Said University Port Said University Suez Canal University Faculty of Engineering	5.73E+1 0 5.68E+1 0	5.92E+1 0 5.72E+1 0 5.72E+1	36805436300 57189048184 59198121200 8.35E+09	-	Saudi Arabia Algeria India Egypt Saudi Arabia Jordan Australia Mataysia Ukraine United Kingdom Egypt	

Advanced Maximum								
Adhesion Tracking								
Strategies in Railway	60006793 60274042 60108617	Universidad de Oviedo Faculty of Engineering-Port Said University Port	5.72E+1					
Traction Drives	60111642	Said University Ingeteam, S.A.	0	6.7E+09	5.72E+10	-	Spain Egypt	2
Offshore wind power								
integration to support								
weak grid voltage for								
industrial loads using VSC-HVDC transmission			3.69E+1	8.32E+0				
system	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	9	3.69E+10	-	Egypt	1
Power performance								
assessment of vertical-								
axis tidal turbines using	60006793 60028419 60274042	Universidad de Oviedo Universidade de Santiago de Compostela	5.72E+1	3.53E+1				_
an experimental test rig	60108617	Faculty of Engineering- Port Said University Port Said University	0	0	5.72E+10	-	Spain Egypt	2
A Modified Phase Shift								
Control of the Dual Active								
Bridge-Based Modular								
Power Electronic								
Transformer to Minimize								
the LVdc Side Voltage		Faculty of Engineering- Port Said University Port Said University College						
Ripples under	000740401 001000171 000751001	of Engineering & Technology Heliopolis Arab Academy for Science,	0.405.4	F 70F.1			United Vindeland	
Unbalanced Load	60274042 60108617 60275166	Technology and Maritime Transport Heliopolis Campus Glasgow	2.48E+1	5.72E+1	0.405.40		United Kingdom	
Conditions	60275151 60007573 128470429	Caledonian University The High Institute of Engineering and Technology	0	0	2.48E+10	-	Egypt	2
Gamma radiation induced								
variation in structure								
formation and optical								
characteristics of								
evaporated tris [2-								
phenylpyridinato- C2,N]iridium(III) films								
prepared by electron								
beam evaporator in		Port Said University Faculty of Science Faculty of Engineering - Port Said	3.71E+1	5.95E+1	37053581400			
photovoltaic applications	60108617 60274043 60274042	University	0.712.1	0.552.1	57193408017		Egypt	1
The Validation and	00100017 0027 10 10 0027 10 12	Chirotoky	l		0,100,0001,		-877	-
Implementation of the								
Second-Order Adaptive								
Fuzzy Logic Controller of		Suez Canal University Faculty of Engineering Faculty of Engineering						
a Double-Fed Induction	60020322 60239348 60273996	Menoufia University Faculty of Engineering Rabigh Branch, King Abdulaziz						
Generator in an	60023291 60238518 60004582	University King Abdulaziz University Port Said University Faculty of	5.72E+1	5.54E+1				
Oscillating Water Column	60108617 60274042	Engineering- Port Said University	0	0	5.54E+10	-	Egypt Saudi Arabia	2
Life cycle assessments of								
biofuel production from								
beach-cast seaweed by		Institute of Living Systems Perm National Research Polytechnic						
pyrolysis and	127433852 60023325 60108617	University Port Said University Faculty of Engineering- Port Said		5.72E+1			Egypt Russian	
hydrothermal liquefaction	60274042	University	5.8E+10	0	5.8E+10	-	Federation	2
Tunable electronic and								
magnetic properties of								
single layer CdS via Li		Riphah International University Xi'an Jiaotong University National						
substitutional doping: A	60070611 60018308 60059937	University of Sciences and Technology King Khalid University Faculty of	5.72E+1				China Egypt Saudi	
first-principle study	60027741 60274043 60108617	Science Port Said University	0	6.6E+09	5.72E+10	-	Arabia Pakistan	4
Efficiency of utilizing								
building information								
modeling tools for								
examining smart								
materials behavior in a	000740401.00100017	Facility of Facility of Park Cald Halington 2010 Cald Halington 2010	F 05:40	5.72E+1	5.05.75		F	
hot climate	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	5.9E+10	0	5.9E+10	-	Egypt	1
Electronic, optical and	60078212 60105146 60027741	University of Agriculture, Faisalabad Princess Nourah Bint Abdulrahman					F	
magnetic characteristics	60108617 60274043 60004871	University King Khalid University Port Said University Faculty of	5.72E+1	0.05:00	5 705 · 4 2		Egypt Saudi Arabia	_
of v doped BeS	60274951	Science Al-Azhar University Faculty of Science	0	6.6E+09	5.72E+10	-	Pakistan	3
Numerical Investigations								
on Latent Heat Storage			5.72E+1	5.65E+1		1	Edunt Bussian	
Unit using Phase Change	600200741 60109617	Coint Deteraburg Mining University Dort Coid University	5.72E+1 0	5.65E+1 0	E 70E - 40		Egypt Russian Federation	2
Material	60029071 60108617	Saint Petersburg Mining University Port Said University	0	U	5.72E+10	-	reueration	2

Distortion management				I				
of the pulse without and								
in the presence of								
Compton scattering in a								
three level atomic	60089669 60070606 60027741	University of Malakand Hazara University Pakistan King Khalid	5.72E+1				Egypt Saudi Arabia	
configuration	60108617 60274043	University Port Said University Faculty of Science	0	6.6E+09	4.13E+10	_	Pakistan	3
High-Performance			-					_
Glazing for Enhancing								
Sustainable Environment		King Faisal University Port Said University Faculty of Engineering- Port						
in Arid Region's	60030736 60108617 60274042	Said University Faculty of Tourisim & Hotel Management Helwan	5.77E+1	4.38E+1	57732309400			
Healthcare Projects	60273335 60029258	University	0.772+1	4.366+1	43762250600	_	Egypt Saudi Arabia	2
Proposed hybrid power	00273333 00029238	Oniversity	0	0	43702230000	-	Egypt Saudi Alabia	2
system for short route			1.51E+1	2.31E+1				
ferries	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	2.312+1			Edurat	1
	00274042 00108017	Faculty of Engineering-Fort Said Offiversity Fort Said Offiversity	0	, ·	-	-	Egypt	1
Maximum Power Point								
Tracking for Grid-tied PV								
System Using Adaptive	000040741000474001000740401	ALA LA LICE AND LONG DATE OF THE CONTROL OF THE CON	5 70F.4	5 705.4			E. II B. III	
Neuro-Fuzzy Inference	60004871 60017103 60274042	Al-Azhar University Peter the Great St. Petersburg Polytechnic University	5.72E+1	5.72E+1			Egypt Russian	
System	60108617	Faculty of Engineering- Port Said University Port Said University	0	0	-	-	Federation	2
Peridynamic Modelling of		The same of the sa	·				11-21-116	
Propagation of Cracks in	l	University of Strathclyde Faculty of Engineering- Port Said University	5.78E+1	5.78E+1			United Kingdom	_
Photovoltaic Panels	60024724 60274042 60108617	Port Said University	0	0	5.78E+10	-	Egypt	2
A novel EPSO algorithm								
based on shifted sigmoid								
function parameters for								
maximizing the energy								
yield from photovoltaic		Northern Technical University Peter the Great St. Petersburg Polytechnic						
arrays: An experimental	60108465 60017103 60108617	University Port Said University Faculty of Engineering- Port Said	5.75E+1	5.72E+1			Iraq Egypt Russian	
investigation	60274042	University	0	0	5.72E+10	-	Federation	3
Enhancement of the								
performance of wireless								
sensor networks using the								
multihop multiantenna								
power beacon path								
selection method in	60231617 60012022 60274042	Faculty of Engineering Mansoura University Faculty of Engineering - Port	5.72E+1	3.62E+1				
intelligent structures	60108617	Said University Port Said University	0	0	5.72E+10	-	Egypt	1
Switching schemes of the		í í					071	
bidirectional buck-boost								
converter for energy		Universidad de Oviedo Port Said University Faculty of Engineering- Port	5.72E+1					
storage system	60006793 60108617 60274042	Said University	0	7.2E+09	_	_	Spain Egypt	2
Optimal performance of				7.22.30			-1-11-916	
actuator disc models for		University of Calgary Faculty of Engineering- Port Said University Port		5.72E+1				
horizontal-axis turbines	60002306 60274042 60108617	Said University	7.4E+09	0.721.1	7.4E+09	_	Egypt Canada	2
Techno-economic			71.12.00	_	71.2.00		-0/1/1 04/1444	
assessment of vertical								
axis wind turbine driven								
RO desalination with				1				
compressed air energy								
	600019911 600011641 602740421	The University of Shoffield Light University Leaculty of Engineering Dort	5.72E+1				United Vinadom I	
storage for remote communities	60001881 60091164 60274042 60108617	The University of Sheffield Taif University Faculty of Engineering- Port Said University Port Said University	5.72E+1 0	7E+09	5.72E+10		United Kingdom Egypt Saudi Arabia	3
	0010001/	Jaid Oniversity FULL Jaid Oniversity	U	75709	3.7ZE+1U	-	Egypt Sauui Aidbid	3
Highly flexible wind						F 70F.1		
turbine blades utilizing	602740421 60109617	Foculty of Engineering Port Cold University Port Cold University			F 70F.40	5.72E+1	Edunt	1
corrugated surface hinges	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	-	-	5.72E+10	0	Egypt	1
	60091164 60018830 60018623							
Electrical properties of	60004871 60274951 60108699	Taif University Faculty of Science South Valley University Al-Azhar						
ternary Cux(Ge3Se7)100-	60110525 60027741 60274043	University Faculty of Science University of Jeddah Majmaah University	5.72E+1					
x thin films	60108617	King Khalid University Faculty of Science Port Said University	0	6.6E+09	5.72E+10	-	Egypt Saudi Arabia	2
Enhanced biodiesel		London South Bank University University of Leeds Port Said University		1		1		
production with improved	60031237 60012070 60108617	Faculty of Engineering- Port Said University The British University in		1		1		
oxidation stability by	60274042 60023356 60273423	Egypt Faculty of Engineering Lancaster University Department of	5.72E+1	l	1	1	United Kingdom	
water addition to	60023643 60117770	Engineering, Lancaster University	0	7.2E+09	7.2E+09		Egypt	2

	T				ı	ı	T.	
supercritical								
methanolysis								
Mechanical properties								
and band gap estimations	60091164 60027741 60274043	Taif University King Khalid University Faculty of Science Port Said						
of stoichiometric GeSe2-	60108617 60108699 60004871	University University of Jeddah Al-Azhar University Faculty of Science	5.72E+1		57193526449			
As2Se3 glasses	60274951 60110525	Majmaah University	0	6.6E+09	6602133954	-	Egypt Saudi Arabia	2
Forecasting of Short-Term								
and Long-Term Wind								
Speed of Ras-Gharib								
Using Time Series			5.82E+1	5.72E+1				
Analysis	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	0	5.82E+10	-	Egypt	1
Synthesis and evaluation								
of core-shell								
nanocomposites for the								
photodegradation of liner								
alkyl-benzene sulfonate			5.72E+1	5.86E+1				
water contaminations	60108617 60274043	Port Said University Faculty of Science	l 0	0	5.72E+10	-	Egypt	1
Techno-economic							-67F-	
assessment of a novel								
wind-powered RO system								
with a compressed air		Port Said University Faculty of Engineering- Port Said University The					United Kingdom	
energy storage for water	60108617 60274042 60001881	University of Sheffield Taif University School of Chemical and	5.72E+1	5.72E+1			Egypt Saudi Arabia	
	60091164 60079227 60016218		0.726+1	0.726+1	E 70E 110			4
desalination	60091164 60079227 60016216	Metallurgical Engineering University of the Witwatersrand, Johannesburg	0	0	5.72E+10	-	South Africa	4
Experimental Validation								
of Second-Order Adaptive		0 - 0 - 111 - 2 - 15 - 15 - 15 - 15 - 15 - 15						
Fuzzy Logic Controller for		Suez Canal University Faculty of Engineering Menoufia University						
Grid-Connected DFIG	60020322 60239348 60023291	Faculty of Engineering Faculty of Engineering - Port Said University Port	5.72E+1	5.54E+1			_	
Wind Power Plant	60273996 60274042 60108617	Said University	0	0	5.54E+10	-	Egypt	1
Polymeric solar cell with								
18.06% efficiency based								
on poly(para-	60004582 60274043 60108617	King Abdulaziz University Faculty of Science Port Said University						
nitroaniline)/TiO2	60008708 60033041 60273722	Faculty of Engineering Alexandria University Faculty of Science New	5.72E+1	6.51E+0				
composites	60193407	Valley University	0	9	3.65E+10	-	Egypt Saudi Arabia	2
Assessment of Onshore								
Renewable Energy Power								
Supply for Ship's								
Emissions Reduction in			5.91E+1	1.51E+1				
Port Said West Port	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	0	5.91E+10	-	Egypt	1
A novel hybrid compact								
system of photovoltaic								
solar still air gap								
membrane distillation for		College of Technological Studies Kuwait The Public Authority of Applied	1					
the simultaneous		Education and Training DGYAK Ltd Armenian National Agrarian	1					
production of water and	60069831 60043484 129839176	University Faculty of Engineering- Port Said University Port Said	5.62E+1	5.72E+1			Egypt Armenia	
energy	60070838 60274042 60108617	University University	0.021.1	0.72L11	5.62E+10		Kuwait	3
Evaluating BIPV Façades			⊢	<u>_</u>	0.022.10			
in a Building Envelope in								
Hot Districts for								
Enhancing Sustainable		King Faisal University Port Said University Faculty of Engineering- Port						
Ranking: A Saudi Arabian	60030736 60108617 60274042	Said University Faculty of Tourisim & Hotel Management Helwan	5.77E+1	4.38E+1	57732309400			
_			5.7/E+1 0				Fount Coudi Arabi-	2
Perspective	60273335 60029258	University	"	0	43762250600	-	Egypt Saudi Arabia	2
AN APPROXIMATION OF								
USING VERTICAL-AXIS								
TIDAL TURBINE FOR								
WATER DESALINATION IN			l					
THE SUEZ CANAL			5.72E+1	5.72E+1				
WATERWAY	60108617 60006793	Port Said University Universidad de Oviedo	0	0	5.72E+10	-	Spain Egypt	2
The Effect of Novel			1					
Longitudinal Branched			l				Ì	
Fins on the Performance			l				Ì	
of the Latent Heat		Port Said University Faculty of Engineering- Port Said University Saint	5.72E+1	5.72E+1			Egypt Russian	
Accumulator based on	60108617 60274042 60029071	Petersburg Mining University	0	0	5.72E+10		Federation	2

Shell-and-Tube	1							
Configuration								
Design and								
implementation of								
voltage source converters	60104710 60274484 60274042	Suez University Faculty of Technology and Education Faculty of	5.72E+1	8.32E+0				
in HVDC systems	60108617	Engineering- Port Said University Port Said University	0	9	-	-	Egypt	1
Enhancing the			-				-87F -	_
Performance of the								
Output Active Power of								
DFIG-Based Wind								
Turbines Using Auto		School of Automation, Beijing Institute of Technology Beijing Institute of					United Arab	
Disturbance Rejection	60129547 60016835 60108617	Technology Port Said University Faculty of Engineering- Port Said	5.73E+1	1.28E+1			Emirates China	
Control	60274042 60070813	University University of Sharjah	0	0	_	_	Egypt	3
Increased efficiency of	0027 10 12 0007 0010	omroidity omroidity or onlinguin					-875.	
hydrokinetic turbines								
through the use of an								
obstacle on the channel		Universidad de Oviedo Port Said University Faculty of Engineering- Port	5.72E+1	5.72E+1				
bottom	60006793 60108617 60274042	Said University	0.726+1	0.726+1	5.72E+10	_	Spain Egypt	2
Neural Fuzzy Control of	00000793 00100017 00274042	Arab Academy for Science, Technology and Maritime Transport College	· ·	-	3.72L110	_	Зрант Lgypt	
the Indoor Air Quality								
Onboard a RO–RO Ship	60007253 60274446 60008708	of Engineering and Technology Faculty of Engineering Alexandria	5.72E+1	5.72E+1				
·	60033041 60274042 60108617	University Faculty of Engineering- Port Said University Port Said		0.72E+1	5.72E+10		Fourt	1
Garage	60033041 60274042 60108617	University	0	_ ·	5./2E+10	-	Egypt	1
Investigating the Kinetic								
Parameters in the								
Thermal Analysis of	60010294 60002575 60274042	Cairo University Faculty of Engineering Faculty of Engineering - Port Said	5.85E+1	7.01E+0				
Jojoba Cake	60108617	University Port Said University	0	9	5.85E+10	-	Egypt	1
Synthesis, Structural,								
Time-Dependent Density-								
Functional Theory,								
Thermal Annealing and								
Optical Properties for								
Doped Polymer								
Nanostructured Thin								
Films as Optoelectronic	60104697 60004582 60274043	Northern Border University King Abdulaziz University Faculty of Science	6.51E+0	1.63E+1				
Devices	60108617	Port Said University	9	0	6.51E+09	-	Egypt Saudi Arabia	2
Design and Three-								
Dimensional Simulation								
of a Solar Dish-Stirling			3.53E+1					
Engine	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	5.1E+10	3.53E+10	-	Egypt	1
Experimental and								
numerical investigation of								
a three-blade horizontal								
axis hydrokinetic water								
turbine (HAHWT) in high	60017293 60006793 60274042	Università degli Studi di Napoli Federico II Universidad de Oviedo	5.72E+1					
blockage conditions	60108617	Faculty of Engineering- Port Said University Port Said University	0	5.8E+10	5.72E+10	-	Spain Egypt Italy	3
PVSails: Harnessing								
Innovation With Vertical				1				
Bifacial PV Modules in		Università degli Studi di Catania Port Said University Faculty of		1				
Floating Photovoltaic	60010146 60108617 60274042	Engineering- Port Said University Koiné Multimedia Solar Marine Energy	5.92E+1	3.58E+1				
Systems	119021383 131578607	Ltd	0	0.002.1	5.92E+10	-	Egypt Ireland Italy	3
Experimental and				<u> </u>			3,, , , , , , ,	_
Simulation Study of Solar-		Suez Canal University Faculty of Agriculture Port Said University		1				
Powered Air-Gap		Faculty of Engineering- Port Said University King Saud University						
Membrane Distillation	60020322 60239219 60108617	University of Oradea Université d'ain Témouchent, Belhadi Bouchaib			57193261423		Algeria Egypt Saudi	
Technology for Water	60274042 60013183 60026575	University of the Witwatersrand, Johannesburg School of Chemical and	5.64E+1	5.72E+1	55963977100		Arabia South	
Desalination	60105463 60016218 60079227	Metallurgical Engineering	0.042.1	0.72L11	57194448020	_	Africa Romania	5
A Centralized Protection	00100403 00010210 00073227	1 location ground Engineering	0	L	0,104440020		/inica Nomania	3
Scheme for Microgrids						1		
with Artificial Neural								
Network-Based on Fault			5.72E+1	6.51E+0				
	60108617 60274042	Port Cold University / Feaulty of Engineering Port Cold University	5.72E+1 0				Educat	1
Detection and Location	0010001/ 002/4042	Port Said University Faculty of Engineering- Port Said University	U	9	-	-	Egypt	1

	1							
Critical Assessment of								
Current State of the Art in								
Wearable Sensor Nodes		Al-Madinah Higher Institute for Engineering and Technology Karlsruher						
with Energy Harvesting		Institut für Technologie Port Said University Faculty of Engineering- Port						
Systems for Healthcare	118208541 60102538 60108617	Said University Karlsruher Institut für Technologie, Campus Nord		5.72E+1			United Kingdom	
Applications	60274042 60027314 60004572	Swansea University	5.8E+10	0	5.48E+10	-	Egypt Germany	3
A Comparative Study of								
Two Metaheuristic MPPT								
Techniques to Extract								
Maximum Power from PV								
Array under Different			5.72E+1	5.72E+1				
	004000471 00074040	B. (0.310.2	1		5 705 . 40		F	
Partial Shading Patterns	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt	1
	60274484 60104710 60274042	Faculty of Technology and Education Suez University Faculty of	5.72E+1	8.32E+0				
Vsc-hvdc control system	60108617	Engineering- Port Said University Port Said University	0	9	5.72E+10	-	Egypt	1
Fuzzy Logic-Pitch Angle								
Controller for SCIG based	60239348 60020322 60108617	Faculty of Engineering Suez Canal University Port Said University	5.72E+1	6.51E+0				
Wind Turbine	60274042	Faculty of Engineering- Port Said University	0	9	5.72E+10	-	Egypt	1
An Integrated Approach		, , ,					57.	
for Demand Response								
and Wind Curtailment								
			5.82E+1	5.72E+1				
Management in			1					
Distribution Systems	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt	1
Aeroelastic modelling of								
tail fins for small wind		Port Said University Faculty of Engineering- Port Said University	5.72E+1					
turbines	60108617 60274042 60002306	University of Calgary	0	7.4E+09	-	-	Egypt Canada	2
DFT Study of Lead-Free								
Mixed-Halide Materials								
Cs2X2Y2 (X, Y = F, Cl, Br,								
I) for Optoelectronic	60046149 60004716 60027741	Allama Iqbal Open University University of Ioannina King Khalid	5.72E+1				Egypt Saudi Arabia	
' '	60108617 60274043	University Port Said University Faculty of Science	0.721.1	6.6E+09	5.72E+10		Pakistan Greece	4
Applications	00100017 00274043	University Port Said University Faculty of Science	U	0.0E+09	5./ZE+10	-	Pakistaii Greece	4
Hybrid MPPT-based								
predictive speed control								
model for variable speed								
PMSG wind energy			5.83E+1	5.72E+1				
conversion systems	60108617	Port Said University	0	0	3.69E+10	-	Egypt	1
Production and		Faculty of Energy & Environmental Engineering The British University in						
characterization of bio-oil		Egypt School of Chemical and Metallurgical Engineering University of						
from camelthorn plant	60273194 60023356 60079227	the Witwatersrand, Johannesburg Port Said University Faculty of	5.72E+1	5.72E+1	55961235600			
using slow pyrolysis	60016218 60108617 60274042	Engineering- Port Said University	0	0	57193261423	_	Egypt South Africa	2
Performance Assessment				_			-871-1	
of Artificial Neural								
Networks-Based MPPT								
Technique for			5.92E+1	5.72E+1				
Photovoltaic Systems	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	0	-	-	Egypt	1
Optimal Energy								
Management of VPP-								
Based Energy Storage								
Considering Renewable								
Energy Integration and EV			5.97E+1	6.51E+0				
Charging	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0.072.1	9	5.97E+10	_	Egypt	1
Surface plasmon					0.572.10		-6/17"	
polariton at the interface								
of dielectric and graphene								
medium using the								
Doppler broadening	60070606 60027741 60274043	Hazara University Pakistan King Khalid University Faculty of Science	5.78E+1				Egypt Saudi Arabia	
effect	60108617	Port Said University	0	6.6E+09	4.13E+10	-	Pakistan	3
Geometrically nonlinear								
transient analysis of								
Timoshenko tapered								
beam-column element	60274042 60108617 60020322	Faculty of Engineering- Port Said University Port Said University Suez	5.77E+1	6.51E+0	1	1		
					1		i i	
using a finite element	60239348	Canal University Faculty of Engineering	0	9	5.77E+10	_	Egypt	1

						1	1	
formulation based on the								
exact shape functions								
Efficient offloading and								
task scheduling in								
internet of things-cloud-	60239348 60020322 60274042	Faculty of Engineering Suez Canal University Faculty of Engineering-	5.73E+1	5.72E+1				
fog environment	60108617	Port Said University Port Said University	0	0	5.92E+10	-	Egypt	1
First principle study of er,								
co-doped fe and yb of								
nabif6; a promising		Hazara University Pakistan Riphah International University National						
materials for	60070606 60070611 60059937	University of Sciences and Technology Abdul Wali Khan University						
optoelectronic and	60107589 126629825 60027741	Mardan Government Post Graduate College Swabi King Khalid						
transport properties;	60274043 60108617 60159511	University Faculty of Science Port Said University University of Swabi					Egypt Saudi Arabia	
probed by dft	60259857	The Government Sadiq College Women University Bahawalpur	5.8E+10	6.6E+09	5.59E+10	-	Pakistan	3
Hybrid concentrator		Faculty of Engineering Mansoura University Kyushu University Faculty						
photovoltaic/membrane	60231617 60012022 60011047	of Engineering- Port Said University Port Said University Faculty of						
distillation system for	60274042 60108617 60010333	Science Aswan University Faculty of Engineering Egypt-Japan						
potable water production	60107271 60273876 60117075	University of Science and Technology City of Scientific Research and						
using new fabricated	60032860 60273117 60033041	Technological Applications Advanced Technology and New Materials	5.72E+1	7.01E+0				
PS/ZIF_L membrane	60008708	Research Institute Alexandria University Faculty of Engineering	0.722.1	9	5.72E+10	_	Japan Egypt	2
	55555766	1.00001011 montate / menament of involutely 1 deatty of Engineering	 	 	J./ZL·10		Sabarri FPAhr	
Oleaginous fungi as a			1					
sustainable source for								
biodiesel production:								
Current and future	60108617 60274043 60239261	Port Said University Faculty of Science Faculty of Science Suez Canal	5.85E+1	5.91E+1				
prospect	60020322 60015706	University University of the Free State	0	0	5.85E+10	-	Egypt South Africa	2
Optimal planning for								
sustainable and cost-								
effective power								
generation on the Red						1.63E+1		
Sea coast	60274043 60108617	Faculty of Science Port Said University				0	Egypt	1
	60274043 60106617	raculty of Science Port Said University	-	-	-	U	Едурі	1
Thin film synthesis and								
photovoltaic performance								
of polypyrrole@cobalt								
hydroxide composites for	60004582 60033041 60008708	King Abdulaziz University Alexandria University Faculty of Engineering						
solar cells and	60274043 60108617 60273722	Faculty of Science Port Said University Faculty of Science New Valley		8.29E+0				
optoelectronic devices	60193407 60010333 60107271	University Faculty of Science Aswan University	7E+09	9	3.65E+10	-	Egypt Saudi Arabia	2
·	· ·	Università degli Studi di Perugia Faculty of Engineering- Port Said					57	
The nonlinear behavior of	60003003 60274042 60108617	University Port Said University National Renewable Energy Laboratory					Egypt United	
generic tail fins for small	60030451 60014313 60152069	University of Massachusetts Amherst College of Engineering University	5.72E+1				States Italy	
-				7.45.00	7.45.00			_
wind turbines	60002306	of Calgary	0	7.4E+09	7.4E+09	-	Canada	4
Finite Element Analysis								
for Dynamic Simulation of			5.85E+1	5.72E+1				
Composite HAWT Blade	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	0	5.7E+10	-	Egypt	1
High-voltage direct	60104710 60274484 60274042	Suez University Faculty of Technology and Education Faculty of	5.72E+1	8.32E+0				
current transmission	60108617	Engineering- Port Said University Port Said University	0	9	5.72E+10	_	Egypt	1
A solar energy-based		<u> </u>	⊢ Ť	⊢ Ť			0/1-	-
0,			1					
shore side power system	C00740401 C0400C471 C00400041	For the of Fordinard of Dark Cold Holocopie (Dark Cold Holocopie)	F 60F.4	F 70F.4			Linited Mineral and	
for a ferry service across	60274042 60108617 60010934	Faculty of Engineering- Port Said University Port Said University National	5.68E+1	5.72E+1			United Kingdom	_
the Suez Canal	60025225	Oceanography Centre Southampton University of Southampton	0	0	5.68E+10	-	Egypt	2
African vulture optimizer			1					
algorithm for fuzzy logic		Suez Canal University Faculty of Engineering King Abdulaziz University	1					
speed controller of fuel	60020322 60239348 60004582	Faculty of Engineering Rabigh Branch, King Abdulaziz University Port Said	5.72E+1	5.28E+1				
cell electric vehicle	60238518 60108617 60274042	University Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt Saudi Arabia	2
Vsc-hvdc under ac and dc	60274484 60104710 60274042	Faculty of Technology and Education Suez University Faculty of	5.72E+1	8.32E+0				
fault conditions	60108617	Engineering- Port Said University Port Said University	0.722.1	9	5.72E+10	_	Egypt	1
Photovoltaic-Powered		Engineering 1 of Guid Oniversity 1 of Guid Oniversity	 	 	0.722110		-6764	1
			I			I	1	
Smart Aquaponic System:			1			1	1	
Integrating IoT and AI for			1			1	1	
Sustainable Food			1			1	1	
Production and Fish			3.62E+1	5.72E+1		I	Ì	
	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0	l _	l .	Egypt	1
Health Management	0010001/ 002/4042	Fort Salu Oniversity Faculty of Engineering- Fort Salu Oniversity	U	U	-		-6)Pt	_

Experimental								
Examination of Enhanced								
Nanoceramic-Based Self-		Faculty of Engineering The British University in Egypt Port Said						
Cleaning Sprays for High-	60273423 60023356 60108617	University Faculty of Engineering- Port Said University Faculty of						
Efficiency Hydrophobic	60274042 60026365 60010294	Science Cairo University Faculty of Energy & Environmental	5.94E+1	6.51E+0				
Photovoltaic Panels	60273194 60002575	Engineering Faculty of Engineering	l 0	9	6.51E+09	-	Egypt	1
Protection of Wind				_			-67F	_
Turbine Generators Using								
	CO4047401 CO0744041 CO0740401	Constitution in the Constitution of Table 2012 and Education I Family 24	5.72E+1	3.66E+1				
Microcontroller-Based	60104710 60274484 60274042	Suez University Faculty of Technology and Education Faculty of	l	I				
Applications	60108617	Engineering- Port Said University Port Said University	0	0	-	-	Egypt	1
INTERNET OF ENERGY								
APPLIED TO WATER								
HYDROKINETIC SMART-								
GRIDS: A TEST RIG			5.72E+1					
EXAMPLE	601086171 60006793	Port Said University Universidad de Oviedo	l 0	5.6E+10	5.72E+10	-	Spain Egypt	2
SM-BIM: A NEW							1 0,7	
CONCEPTUAL								
FRAMEWORK FOR MULTI-								
CRITERIA DECISION-								
MAKING PROCESS								
BASED ON SMART								
MATERIALS AND								
BUILDING INFORMATION			1	5.72E+1				
MODELING	60274042	Faculty of Engineering- Port Said University	5.9E+10	0.722.1	5.9E+10		Egypt	1
	00274042	racutty of Engineering-1 of Cald Oniversity	J.JL 110	0	3.31.10	_	Едурі	1
Estimating the energy								
consumption for								
residential buildings in								
semiarid and arid desert								
climate using artificial		Port Said University Future University in Egypt Faculty of Engineering &	5.72E+1	5.72E+1				
intelligence	60108617 60002744 60273396	Technology	0	0	5.72E+10	-	Egypt	1
Graphical Revamping of a	, , , , , , , , , , , , , , , , , , , ,						671	
Crude Distillation Unit								
under Two Variable		Higher Institute of Engineering and Technology The British University in						
		0 0 0,1						
Operational Scenarios -	124796734 60023356 60273423	Egypt Faculty of Engineering UC San Diego Jacobs School of						
Naphtha Stabilizer and	60121663 60030612 60108617	Engineering University of California, San Diego Port Said University	5.79E+1	7.01E+0				
Reformer Operated	60002575 60010294	Faculty of Engineering Cairo University	0	9	5.72E+10	-	Egypt United States	2
Static and dynamic								
analysis of a new offshore								
wind turbine system			5.77E+1	5.77E+1				
supported with outriggers	60020322 60108617	Suez Canal University Port Said University	0.772.1	0.772.1	5.77E+10		Egypt	1
	00020322 00100017	Suez Carial Oniversity Port Salu Oniversity	U	U	5.//E+10	-	Едурі	1
Performance Assessment								
of T-Source Inverter Fed		Delta Technological University Faculty of Engineering Menoufia						
Induction Motor Drives	128268763 60273996 60023291	University Port Said University Faculty of Engineering- Port Said	5.72E+1	5.54E+1				
Based on Photovoltaics	60108617 60274042	University	0	0	-	-	Egypt	1
Conversion of Fish Waste		Faculty of Engineering The British University in Egypt Missouri University	l	l			·	
Oil into Biofuel: An	60273423 60023356 60024728	of Science and Technology College of Engineering and Computing Port	5.94E+1	5.94E+1			Egypt South Africa	
Experimental Study	60146648 60108617 60016218	Said University University of the Witwatersrand, Johannesburg	0.542.1	0.541.1	5.72E+10		United States	3
	00170070 00100017 00010210	odia oniversity oniversity of the witwaterstand, Johannesburg	-	-	J./ZL*10		Omited States	3
Study Network			1	1				
Reconfiguration Using							1	
Optimization Techniques								
to Improve Voltage		Port Said University Faculty of Engineering- Port Said University	5.72E+1	3.69E+1				
Stability	60108617 60274042 60033041	Alexandria University	0	0	-	-	Egypt	1
Estimation of density of		•						
charged defect states in							1	
							1	
some glasses of								
SeTeSnPb system using			1	1				
low-temperature d.c.		GLA University, Mathura Mahatma Gandhi Central University King Khalid						
conductivity	60114077 60282667 60027741	University Port Said University Faculty of Science Banaras Hindu	5.72E+1	9.63E+0			India Egypt Saudi	
measurements	60108617 60274043 60008721	University	0	9	9.63E+09	-	Arabia	3
Power grids with	, , , , , , , , , , , , , , , , , , , ,		ĺ	i i				
renewable energy:							1	
]]			1	
Storage, integration and	001000171 00000000	Part Caid Hairmaith I Hairmaith at Caldan	75.00	7.45.60			Frankl Ossada	_
digitalization	60108617 60002306	Port Said University University of Calgary	7E+09	7.1E+09	-	-	Egypt Canada	2

Green Hydrogen								
Production from Ethanol								
Electrolysis Using Co/Ni								
Bimetallic Nanoparticles-		Minia University Faculty of Engineering Faculty of Engineering - Port Said						
	000007501 000740051 000740401		0.175.1	4 545.4				
Incorporated Carbon	60009750 60274625 60274042	University Port Said University University of Technology and Applied	2.17E+1	1.51E+1				
Nanofibers	60108617 60281135	Sciences Suhar	0	0	2.17E+10	-	Egypt Oman	2
Experimentally validated								
simplified prediction								
model of unloaded spar-								
buoy wave energy		Arab Academy for Science, Technology and Maritime Transport Port Said						
converter motions'	60007253 60108617 60274042	University Faculty of Engineering- Port Said University University of	5.63E+1				United Kingdom	
responses in waves	60024724	Strathclyde	l 0	7E+09	5.63E+10	_	Egypt	2
Joint Reflection Design							-87F-	_
and Channel Estimation								
for Intelligent Reflective	60170200 60273669 60274042	Delta University for Science and Technology Faculty of Engineering	2.48E+1	4.22E+1				
Surfaces	60108617	Faculty of Engineering- Port Said University Port Said University	0	0	-	-	Egypt	1
Protective Schemes for	60104710 60274484 60274042	Suez University Faculty of Technology and Education Faculty of	5.72E+1	3.66E+1	İ			
	60108617	Engineering- Port Said University Port Said University	0.722.1	0.002.1	5.72E+10		Educat	1
Induction Generator					3./ZE+1U	-	Egypt	1
Conclusions and Future	60104710 60274484 60274042	Suez University Faculty of Technology and Education Faculty of	5.72E+1	3.66E+1				
Work	60108617	Engineering- Port Said University Port Said University	0	0	5.72E+10	-	Egypt	1
Vsc-hvdc simulation	60104710 60274484 60108617	Suez University Faculty of Technology and Education Port Said	5.72E+1	8.32E+0				
					F 70F 110		Forms	1
results	60274042	University Faculty of Engineering- Port Said University	0	9	5.72E+10	-	Egypt	1
Diagnostic Strategies for								
Microturbines Operating								
Status Applied to								
Predictive Maintenance:		Universided de Ovieda Port Coid University Feaulty of Engineering Port	5.72E+1	5.87E+1				
		Universidad de Oviedo Port Said University Faculty of Engineering- Port						
Experimental Test Case	60006793 60108617 60274042	Said University	0	0	5.72E+10	-	Spain Egypt	2
Co-Flow Jet Effects on the								
Aerodynamic								
Performance of National								
Renewable Energy								
Laboratory Aerofoils with								
Different Thicknesses for								
Wind Turbine	60289775 60274955 60004871	University of Derna Faculty of Engineering Al-Azhar University Port Said	5.93E+1	5.87E+1				
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.552.1	0.072.1	E 025,10		Educat Libra	2
Applications	60108617	University	U	U	5.93E+10	-	Egypt Libya	
Wind Tunnel and								
OpenFOAM Flow Analysis								
of A High Solidity Vertical-		Port Said University Faculty of Engineering- Port Said University	5.72E+1	5.72E+1				
Axis Wind Turbine	60108617 60274042 60006793	Universidad de Oviedo	0	0	5.72E+10		Spain Egypt	2
	00108017 00274042 00000793	Olliversidad de Oviedo	U	U	3.72E+10	-	Зрант Едурт	
High-Power Three-Port								
Converter for Efficient EV			I			1		
Fast Charging Using	60030804 60029157 60274042	Swinburne University of Technology Universiti Malaya Faculty of	5.79E+1	5.97E+1	57872541300		Egypt Saudi Arabia	
Partial Power Processing	60108617 60104671	Engineering- Port Said University Port Said University University of Ha'il	0.752.1	0.07212	57928298500	l .	Australia Malaysia	4
	·	, , , , , , , , , , , , , , , , , , ,			37320230300		/ wastiatia i-iatayala	- 4
Conclusions and future	60104710 60274484 60108617	Suez University Faculty of Technology and Education Port Said	5.72E+1	8.32E+0		1	1_	
work	60274042	University Faculty of Engineering- Port Said University	0	9	5.72E+10	-	Egypt	1
Experimental Setups and								
Results for Digital Relay	60274484 60104710 60108617	Faculty of Technology and Education Suez University Port Said	5.72E+1	3.66E+1		1	1	
Protection	60274042	University Faculty of Engineering- Port Said University	0.721.1	0.002.1	5.72E+10	_	Edvint	1
	002/4042		L 0	U	5./ZE+1U	_	Egypt	1
Solar wind effect on the		Ruhr-Universitat Bochum Arab Academy for Science, Technology and	I					
multi-fluid plasma	60005322 60007253 60108617	Maritime Transport Port Said University Faculty of Science Centre for	I					
expansion in the Venusian	60274043 60273444 60023356	Theoretical Physics The British University in Egypt KU Leuven	5.72E+1	5.62E+1			Belgium Egypt	
upper ionosphere	60025063 60121247	Departement Wiskunde	0.722.1	0.022.1	5.72E+10	_	Germany	3
	00020003 0012124/	Departement wiskulide		U	J./ZE*10	-	Germany	3
Simulation and			I					
Optimization of Waste			I			1		
Heat to Electricity through			I			1		
Organic Rankine Cycles			I					
	602724221 600222501 004000471	Foculty of Engineering The British University in Engel Part Caid	F 705.4	E 705.4		1	United Virginia	
(ORCs): a Case Study in	60273423 60023356 60108617	Faculty of Engineering The British University in Egypt Port Said	5.72E+1	5.72E+1		1	United Kingdom	
an Oil Refinery	60022148	University University College London	0	0	5.72E+10	-	Egypt	2
Remagnetization						l		1
Strategies for Induction			1			l		
	600067021 601006171 602740421	Universidad de Ovieda I Port Said University I Feaulty of Engineering Part	5.72E+1			l		
Machines Operating with	60006793 60108617 60274042	Universidad de Oviedo Port Said University Faculty of Engineering- Port				l		
Reduced Flux Levels	60111642	Said University Ingeteam, S.A.	0	6.7E+09	-		Spain Egypt	2

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An Evaluation of Firefly								
and Flower Pollination								
Techniques Used to								
Harvest Maximum Power			5.77E+1					
from PEMFC	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	6.6E+09	5.77E+10	-	Egypt	1
Fabrication, photovoltaic								
analysis, and electrical								
characterization of								
Au/ZnTPyP/p-Si/Ag								
heterojunction under								
gamma radiation effect		Port Said University Faculty of Science Faculty of Engineering- Port Said	3.71E+1	5.72E+1				
for solar cell applications	60108617 60274043 60274042	University	0	0	3.71E+10	-	Egypt	1
	· ·	Faculty of Engineering- Port Said University Port Said University The					571	
New Efficient	60274042 60108617 60023356	British University in Egypt Faculty of Engineering Cairo University						
Configurations for Sour	60273423 60010294 60002575	Faculty of Engineering Nanotechnology Research Center UC San Diego		5.72E+1				
Wastewater Treatment	60273442 60121663 60030612	Jacobs School of Engineering University of California, San Diego	1.4E+10	0.722.1	5.72E+10		Egypt United States	2
A Multi-Objective	00273442 00121003 00030012	Jacobs School of Engineering Oniversity of Cautoffila, San Diego	1.41.10	0	J./ZL*10		Egypt Offited States	
Approach for Available								
Transfer Capability			5 00F.4					
Considering Capability	0007404010047	For the Afficiency of the Affi	5.82E+1	0.55.05	5.00E ::		F	
Curve of DFIG Wind Farm	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	0	6.5E+09	5.82E+10	-	Egypt	1
Fully symbolic-based								
technique for solving								
complex state-space	60108617 60274042 60104126	Port Said University Faculty of Engineering- Port Said University Jouf	5.64E+1					
control systems	60002575 60010294	University Faculty of Engineering Cairo University	0	6.7E+09	5.64E+10	-	Egypt Saudi Arabia	2
Maximizing Renewable								
Energy Integration								
through Demand								
Response Strategies in								
Distribution Systems								
Considering			5.82E+1	3.69E+1				
Uncertainties	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	0	0	5.82E+10	-	Egypt	1
Better heat and power							371	
integration of an existing								
gas-oil plant in Egypt		Port Said University Faculty of Engineering- Port Said University The						
through revamping the	60108617 60274042 60023356	British University in Egypt Faculty of Engineering College of Technology						
design and organic	60273423 100467224 60002575	Faculty of Engineering Cairo University Nanotechnology Research		5.72E+1				
rankine cycle	60010294 60273442	Center	1.4E+10	0.72L11	5.72E+10		Egypt Kuwait	2
lalikille cycle	00010294 00273442		1.46+10	0	3.72E+10	-	Egypt Kuwait	
		College of Technological Studies Kuwait The Public Authority of Applied						
	00000004 000 40 40 41 000740 40 4	Education and Training Faculty of Engineering- Port Said University Port						
Graphical revamping of a	60069831 60043484 60274042	Said University University of the Witwatersrand, Johannesburg Zhejiang						
delayed coker unit: A case	60108617 60016218 60028037	Ocean University Faculty of Engineering Cairo University College of					China Egypt	
study from an Egyptian	60002575 60010294 60146648	Engineering and Computing Missouri University of Science and	3.57E+1	5.78E+1			United States South	
refinery	60024728	Technology	0	0	5.72E+10	-	Africa Kuwait	5
Transient Behavior of								
Induction Generator	60274484 60104710 60108617	Faculty of Technology and Education Suez University Port Said	5.72E+1	3.66E+1				
Protective Relays	60274042	University Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt	1
	60104710 60274484 60274042	Suez University Faculty of Technology and Education Faculty of	5.72E+1	8.32E+0				
Introduction	60108617	Engineering- Port Said University Port Said University	0	9	5.72E+10	-	Egypt	1
Experimental								
investigation for hvdc	60104710 60274484 60108617	Suez University Faculty of Technology and Education Port Said	5.72E+1	8.32E+0				
system	60274042	University Faculty of Engineering- Port Said University	0	9	5.72E+10	-	Egypt	1
THERMODYNAMIC		, , , , , , , , , , , , , , , , , , , ,					57.	
ANALYSIS AND								
EXPERIMENTAL STUDY OF		School of Chemical and Metallurgical Engineering University of the						
ALTERNATIVE BIOFUELS		Witwatersrand, Johannesburg Port Said University Faculty of						
USING SAWDUST SLOW	60079227 60016218 60108617	Engineering- Port Said University Higher Future Institute of Engineering	5.72E+1					
PYROLYSIS	60274042 126708671 60010294	and Technology Cairo University Higher Future Institute of Engineering	5.72E+1 0	5.6E+10	5.72E+10	l _	Egypt South Africa	2
	00274042 1207000/1 00010294	and recimology Cano University	U	J.UE*10	J./∠E+1U	-	Egypt South Affica	
Experimental								
Investigation into the	0000400410040047177777	I Had a service a service and	·				F	
Effects of Flat Plate	60001821 60108617 60274042	Universiti Kebangsaan Malaysia Port Said University Faculty of	5.76E+1	5.52E+1			Egypt Saudi Arabia	_
Guiding Walls on the	60008920	Engineering- Port Said University Taibah University	0	0	5.52E+10	-	Malaysia	3

Performance of Vertical Axis Wind Turbine								
Introduction and Previous	60104710 60274484 60108617	Suez University Faculty of Technology and Education Port Said	5.72E+1	3.66E+1				
Work	60274042	University Faculty of Engineering- Port Said University	0	0	5.72E+10	-	Egypt	1
A Simplified Non-Linear								
Active Disturbance								
Rejection Control for		Port Said University Faculty of Engineering- Port Said University	5.72E+1	5.73E+1				
Electric Traction Drives	60108617 60274042 60000636	Universidad San Sebastián	0	0	5.72E+10	-	Chile Egypt	2

Title	All Science Journal Classification (ASJC) code	All Science Journal Classification (ASJC) field name	Quacquarelli Symonds (QS) Subject area code	Quacquarelli Symonds (QS) Subject area field name	Quacquarelli Symonds (QS) Subject code	Quacquarelli Symonds (QS) Subject field name	Times Higher Education (THE) code	Times Higher Education (THE) field name
Hydrogen production, storage, utilisation and environmental impacts: a review	2304	Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	249 424	Engineering - Petroleum Environmental Sciences	37	Physical Sciences
Conversion of biomass to biofuels and life cycle assessment: a review	2304	Environmental Chemistry	2 4	Engineering & Technology Natural Sciences	424 249	Environmental Sciences Engineering - Petroleum	37	Physical Sciences
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	2304	Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	249 424	Engineering - Petroleum Environmental Sciences	37	Physical Sciences
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	2304	Environmental Chemistry	2 4	Engineering & Technology Natural Sciences	424 249	Environmental Sciences Engineering - Petroleum	37	Physical Sciences
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	2102 2301 2303 2311	Energy Engineering and Power Technology Environmental Science (miscellaneous) Ecology Waste Management and Disposal	2 4 3	Engineering & Technology Natural Sciences Social Sciences & Management	424 249 221	Environmental Sciences Engineering - Petroleum Engineering - Electrical & Electronic	36 37	Engineering Physical Sciences
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	2304	Environmental Chemistry	2 4	Engineering & Technology Natural Sciences	249 424	Engineering - Petroleum Environmental Sciences	37	Physical Sciences
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	2304	Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	424 249	Environmental Sciences Engineering - Petroleum	37	Physical Sciences
An Optimized Hybrid Fractional Order Controller for Frequency Regulation in Multi-Area Power Systems	1700 2200 2500	General Computer Science General Engineering General Materials Science	2	Engineering & Technology	433 212	Materials Science Computer Science & Information Systems	36 38	Engineering Computer Science

Thermochemical						1	I		
conversion strategies of									
biomass to biofuels,	1500 1501	General Chemical Engineering Chemical Engineering			Social Sciences				
techno-economic and	1508 2200	(miscellaneous) Process Chemistry and Technology General			& Management				Engineering
bibliometric analysis: A	2301 2310	Engineering Environmental Science (miscellaneous) Pollution			Engineering &	424 219	Environmental Sciences Engineering -		Physical
conceptual review	2311	Waste Management and Disposal	3 2		Technology	249	Chemical Engineering - Petroleum	36 37	Sciences
Biofuel production,									
hydrogen production and									
water remediation by									
photocatalysis,					Engineering &				
biocatalysis and					Technology		Environmental Sciences Engineering -		Physical
electrocatalysis	2304	Environmental Chemistry	2 4		Natural Sciences	424 249	Petroleum	37	Sciences
Design and fabrication of									
Fe2O3/FeP					Natural				
heterostructure for oxygen					Sciences				
evolution reaction	2210 2211	Mechanical Engineering Mechanics of Materials Materials			Engineering &		Engineering - Mechanical Materials		
electrocatalysis	2505 2506	Chemistry Metals and Alloys	4 2		Technology	222 433	Science	36	Engineering
									Social
									Sciences
Recent Advances in		Computer Science (miscellaneous) Computer Networks and							Computer
Biomass Pyrolysis	1701 1705	Communications Hardware and Architecture Energy Engineering and			Social Sciences		Engineering - Petroleum Engineering -		Science
Processes for Bioenergy	1708 2102	Power Technology Renewable Energy, Sustainability and the			& Management	249 221	Electrical & Electronic Environmental		Engineering
Production: Optimization	2105 2301	Environment Environmental Science (miscellaneous) Management,			Engineering &	424 212	Sciences Computer Science &	40 38	Physical
of Operating Conditions	2308 3305	Monitoring, Policy and Law Geography, Planning and Development	3 2		Technology	425	Information Systems Geography	36 37	Sciences
An Adaptive D-FACTS for							Engineering - Petroleum Computer		
Power Quality							Science & Information Systems		Computer
Enhancement in an	1700 2200	General Computer Science General Engineering Electrical and			Engineering &	249 212	Materials Science Engineering -		Science
Isolated Microgrid	2208 2500	Electronic Engineering General Materials Science		2	Technology	433 221	Electrical & Electronic	38 36	Engineering
Optimum Modified									
Fractional Order Controller									
for Future Electric Vehicles									
and Renewable Energy-									Engineering
Based Interconnected	1700 2200	General Computer Science General Engineering General Materials			Engineering &		Computer Science & Information		Computer
Power Systems	2500	Science		2	Technology	212 433	Systems Materials Science	36 38	Science
Recent advances in									
greenly synthesized					Natural				l <u>-</u>
nanoengineered materials					Sciences				Engineering
for water/wastewater	1502 2304				Engineering &	249 219	Engineering - Petroleum Engineering -		Physical
remediation: an overview	2305	Bioengineering Environmental Chemistry Environmental Engineering	4 2		Technology	424	Chemical Environmental Sciences	36 37	Sciences
Synthesis and potential									
applications of					F				
cyclodextrin-based metal-					Engineering &		F		Diam'r. I
organic frameworks: a	0004	For the control Observation	0.1.4		Technology	4041.040	Environmental Sciences Engineering -		Physical
review	2304	Environmental Chemistry	2 4		Natural Sciences	424 249	Petroleum	37	Sciences
	17051 17001	Computer Networks and Communications I Handware and					Data Science Engineering - Electrical		Engino
Povious on operate stores	1705 1708 1711 2207	Computer Networks and Communications Hardware and			Engineering 0	213 221	& Electronic Engineering - Petroleum Computer Science & Information		Engineering Computer
Review on energy storage	2208	Architecture Signal Processing Control and Systems Engineering Electrical and Electronic Engineering		2	Engineering & Technology	249 212	Systems Science & Information	36 38	Science
systems in microgrids Biomass-to-sustainable	2200	Electrical and Electronic Engineering			recillology	249 212	Jystems	30 30	Science
biohydrogen: Insights into					Engineering &	249 222	Engineering - Petroleum Engineering -		Engineering
	1500 1600	General Chemical Engineering General Chemistry Industrial and				219 424	Mechanical Engineering - Chemical		Physical
the production routes, and technical challenges	2209 2304	Manufacturing Engineering General Chemistry Industrial and Manufacturing Engineering Environmental Chemistry	2 4		Technology Natural Sciences	409	Environmental Sciences Chemistry	36 37	Sciences
A novel metaheuristic	2200 2004	rianarastaning Engineering Environmental Orientistry	214		14aturat ociences	700	Environmental ociences One mistry	30 37	GOIGINGS
MPPT technique based on enhanced autonomous									
group Particle Swarm									
Optimization Algorithm to									
track the GMPP under		Energy Engineering and Power Technology Fuel Technology Nuclear							
partial shading conditions	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the			Engineering &		Engineering - Petroleum Engineering -		
- Experimental validation	2102 2103 2104 2105	Environment		2	Technology	249 221	Electrical & Electronic	36	Engineering
Comprehensive	2104 2103	Environment			reciniology	240 221	Licensed & Licensiic	30	Liigineeiiiig
investigation of Opto-		Renewable Energy, Sustainability and the Environment General			Engineering &	1	Engineering - Electrical & Electronic		
electronic and transport	2105 2500	Materials Science		2	Technology	221 433	Materials Science	36	Engineering
etectionic and transport	2100 2000	riateriata ocience			recilliology	221 433	riaterials science	30	rugineening

properties of Cs2ScAgX6									
(X = Cl, Br, I) for solar cells									
and thermoelectric									
applications									
Sustainable management									
of food waste; pre-									
treatment strategies,									
techno-economic									Medical and
assessment, bibliometric				- 1	e Sciences &				Health Life
analysis, and potential	40001.00001	Bioto di la Consulta di consul			edicine	40.41.5001	5	0.41.001	Sciences
utilizations: A systematic	1303 2300	Biochemistry General Environmental Science Public Health,	510		gineering &	424 532	Environmental Sciences Medicine	34 32	Physical
review	2739	Environmental and Occupational Health	5 2	Tech	chnology	507	Biological Sciences	37	Sciences
Emerging 2D-									
Nanostructured materials		Faces Faster and Review Technology Fred Technology			-:		Dhusias 8 Astronomy Fasinsonius		Dhusiaal
for electrochemical and	04001 04001	Energy Engineering and Power Technology Fuel Technology			gineering &	4001.0041	Physics & Astronomy Engineering -		Physical
sensing Application-A	2102 2103	Renewable Energy, Sustainability and the Environment Condensed	01.4		chnology	439 221	Electrical & Electronic Engineering -	071.00	Sciences
review	2105 3104	Matter Physics	2 4	Nati	tural Sciences	249	Petroleum	37 36	Engineering
Experimental and								1	
simulation study of								I	
multichannel air gap		Energy Engineering and Dawer Technology First Technology No. 1						I	
membrane distillation	21021 21021	Energy Engineering and Power Technology Fuel Technology Nuclear		Fn-	ginooring 0		Engineering Potroloum! Engineering	I	
process with two types of	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the			gineering &	2401.224	Engineering - Petroleum Engineering -	200	Enginossiss
solar collectors	2104 2105	Environment		2 Tech	chnology	249 221	Electrical & Electronic	36	Engineering
Performance evaluation of								1	
single multi-junction solar									
cell for high concentrator		Fluid Flammed Transfer Drammed Francisco Francisco (12)					Fasing and State of S	1	
photovoltaics using	45071.04001	Fluid Flow and Transfer Processes Energy Engineering and Power			-:	0041 0001	Engineering - Electrical & Electronic		
minichannel heat sink with	1507 2102	Technology Industrial and Manufacturing Engineering Mechanical			gineering &	221 222	Engineering - Mechanical Engineering		F. 2
nanofluids	2209 2210	Engineering	2		chnology	219 249	- Chemical Engineering - Petroleum	36	Engineering
Enhanced electrochemical		F F. Z Z IB T I I. F IT I I.		- 1	tural		Forder to a Florida I & Florida I de		E. d d. at
activity of Co3O4/Co9S8	04001 04001	Energy Engineering and Power Technology Fuel Technology			iences	0041.0401	Engineering - Electrical & Electronic		Engineering
heterostructure catalyst	2102 2103	Renewable Energy, Sustainability and the Environment Condensed	41.0		gineering &	221 249	Engineering - Petroleum Physics &	201.07	Physical
for water splitting	2105 3104	Matter Physics	4 2	Teci	chnology	439	Astronomy	36 37	Sciences
Assessment of floating				Coo	cial Sciences		Engineering - Petroleum Engineering - Electrical & Electronic Engineering -		
_	2100 2105	General Energy Renewable Energy, Sustainability and the		- 1	Management	249 221	Mechanical Environmental Sciences		Dhysical
photovoltaic productivity with fins-assisted passive	2210 2215	Environment Mechanical Engineering Building and Construction		- 1	gineering &	222 424	Architecture Engineering - Civil &		Physical Sciences
cooling	2308	Management, Monitoring, Policy and Law	3 2		chnology	106 220	Structural	37 36	Engineering
	2306	Planagement, Plontoning, Folicy and Law	3 2	Teci	cillotogy	100 220	Structurat	37 30	Liigiileeiilig
Simulation and									
experimental performance analysis of partially									
floating PV system in windy		Renewable Energy, Sustainability and the Environment General		Fngi	dincoring 0		Materials Coiones Engineering		
conditions	2105 2500	Materials Science			gineering & chnology	4221 221	Materials Science Engineering - Electrical & Electronic	36	Engineering
A novel concentrated	2100 2000	Prateriate Science	 	_ recr	ciniology	433 221	Electrical & Electroffic	30	Engineering
photovoltaic-driven								I	
membrane distillation								1	
hybrid system for the								1	
simultaneous production								1	
of electricity and potable				Engl	gineering &			I	
water	2105	Renewable Energy, Sustainability and the Environment			chnology	221	Engineering - Electrical & Electronic	36	Engineering
Synthesis,	2100	Envisy, outlands of the Environment	<u> </u>	1001	010	221		- 55	
characterization and DFT								I	
molecular modeling of								1	
doped poly (para-								I	
nitroaniline-co-para-	1604 1605	Inorganic Chemistry Organic Chemistry Physical and Theoretical					Chemistry Physics & Astronomy	I	
toluidine) thin film for	1606 1607	Chemistry Spectroscopy Electrical and Electronic Engineering		Fnoi	gineering &	409 439	Engineering - Petroleum Materials	1	Physical
optoelectronic devices	2208 2504	Electronic, Optical and Magnetic Materials Atomic and Molecular			chnology	249 433	Science Engineering - Electrical &	I	Sciences
applications	3107	Physics, and Optics	2 4		tural Sciences	221	Electronic	37 36	Engineering
Extraction of maximum		,,,	-, .					37,100	
power from PV system								1	
based on horse herd				Engi	gineering &			1	
optimization MPPT	2105	Renewable Energy, Sustainability and the Environment			chnology	221	Engineering - Electrical & Electronic	36	Engineering
		0),					5 5 =============================		0

technique under various								
weather conditions								
Thermo-electrical	2100 2102 2103 2105	General Energy Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment		Natural Sciences		Engineering - Electrical & Electronic		
performance assessment	2205 2208	Civil and Structural Engineering Electrical and Electronic Engineering		Engineering &	221 220	Engineering - Civil & Structural		
of a partially submerged	2209 2210	Industrial and Manufacturing Engineering Mechanical Engineering		Technology	249 106	Engineering - Petroleum Architecture		Physical
floating photovoltaic	2215 2308	Building and Construction Management, Monitoring, Policy and Law		Social Sciences	424 222	Environmental Sciences Engineering -		Sciences
system	2310 2611	Pollution Modeling and Simulation	4 2 3	& Management	431	Mechanical Mathematics	37 36	Engineering
Efficient fractional-order modified Harris hawks optimizer for proton						Engineering - Petroleum Data Science Computer Science &		Computer
exchange membrane fuel cell modeling	1702 2207 2208	Artificial Intelligence Control and Systems Engineering Electrical and Electronic Engineering	2	Engineering & Technology	249 213 212 221	Information Systems Engineering - Electrical & Electronic	38 36	Science Engineering
Performance	2200	Execution Engineering		Toolmology		Elisation de Elisationio	50 50	Linginiouring
enhancement of a hybrid multi effect								
evaporation/membrane distillation system driven				Social Sciences & Management				Engineering
by solar energy for	1501 1508	Chemical Engineering (miscellaneous) Process Chemistry and	010	Engineering &	424 219	Environmental Sciences Engineering -	201.07	Physical
desalination	2310 2311	Technology Pollution Waste Management and Disposal	3 2	Technology	249	Chemical Engineering - Petroleum	36 37	Sciences
Doped poly (o- phenylenediamine -co- p- toluidine) fibers for								
polymer solar cells applications	2105 2500	Renewable Energy, Sustainability and the Environment General Materials Science	2	Engineering & Technology	221 433	Engineering - Electrical & Electronic Materials Science	36	Engineering
Design and performance a								
novel hybrid membrane		Energy Engineering and Power Technology Fuel Technology Nuclear						
distillation/humidification-	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the		Engineering &		Engineering - Electrical & Electronic		
dehumidification system	2104 2105	Environment	2	Technology	221 249	Engineering - Petroleum	36	Engineering
Performance								
enhancement of flat-plate								
and parabolic trough solar								
collector using nanofluid								
for water heating	2000	Out of the state o		Engineering &				F. 2
application	2200	General Engineering	2	Technology	-	-	36	Engineering
Tuning cationic/anionic				116.0.1				
dyes sorption from				Life Sciences &				Dhusiaal
aqueous solution onto				Medicine		Facility and a Colonia of Distance		Physical
green algal biomass for	12021 2200	Biochemietral Coneral Environmental Science	E1.0	Engineering &	4041 507	Environmental Sciences Biological	271.22	Sciences Lit
biohydrogen production Performance	1303 2300	Biochemistry General Environmental Science	5 2	Technology	424 507	Sciences	37 32	Sciences
enhancement of		Energy Engineering and Power Technology Fuel Technology Nuclear						
concentrator photovoltaic	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the		Engineering &		Engineering - Petroleum Engineering -		
systems using nanofluids	2102 2105	Environment	2	Technology	249 221	Electrical & Electronic	36	Engineering
Synthesis and	2104 2103	Environment		recimotogy	240 221	Electrical & Electronic	30	Linginicering
characterization of Co-Al								
mixed oxide nanoparticles								
via thermal decomposition				Engineering &				1
route of layered double	1602 1604	Analytical Chemistry Inorganic Chemistry Organic Chemistry		Technology				Physical
hydroxide	1605 1607	Spectroscopy	2 4	Natural Sciences	409 249	Chemistry Engineering - Petroleum	37	Sciences
Hydrogen production from								
wastewater, storage,				Engineering &				1
economy, governance and				Technology		Engineering - Petroleum		Physical
applications: a review	2304	Environmental Chemistry	2 4	Natural Sciences	249 424	Environmental Sciences	37	Sciences
An energy-economic								
analysis of a hybrid								
PV/wind/battery energy-								
driven hydrogen		Energy Engineering and Power Technology Renewable Energy,					1	
generation system in rural	2102 2105	Sustainability and the Environment Electrical and Electronic		Engineering &		Engineering - Electrical & Electronic		
regions of Egypt	2208	Engineering	2	Technology	221 249	Engineering - Petroleum	36	Engineering

D. Comment of the Comment	ı				1	T		
Performance and potential								
of a novel floating		5 5		Natural		B		Discribed.
photovoltaic system in	04001 04001	Energy Engineering and Power Technology Fuel Technology		Sciences	4001.0041	Physics & Astronomy Engineering -		Physical
Egyptian winter climate on	2102 2103	Renewable Energy, Sustainability and the Environment Condensed	41.0	Engineering &	439 221	Electrical & Electronic Engineering -	071.00	Sciences
calm water surface	2105 3104	Matter Physics	4 2	Technology	249	Petroleum	37 36	Engineering
	2100 2102	General Energy Energy Engineering and Power Technology Fuel		Social Sciences		A bis I Made if I		
A technical and economic	2103 2105	Technology Renewable Energy, Sustainability and the Environment		& Management		Architecture Mathematics		
evaluation of floating	2205 2208	Civil and Structural Engineering Electrical and Electronic Engineering		Natural	106 431	Environmental Sciences Engineering -		F
photovoltaic systems in	2209 2210	Industrial and Manufacturing Engineering Mechanical Engineering		Sciences	424 222	Mechanical Engineering - Electrical &		Engineering
the context of the water-	2215 2308 2310 2611	Building and Construction Management, Monitoring, Policy and Law	3 4 2	Engineering &	221 220	Electronic Engineering - Civil &	001.07	Physical
energy nexus	2310 2611	Pollution Modeling and Simulation	3 4 2	Technology	249	Structural Engineering - Petroleum	36 37	Sciences
Advanced process								
integration for								
supercritical production of biodiesel: Residual waste								
heat recovery via organic				Engineering &				
Rankine cycle (ORC)	2105	Renewable Energy, Sustainability and the Environment	2		221	Engineering - Electrical & Electronic	36	Engineering
Polymer solar cell based	1604 1605	Inorganic Chemistry Organic Chemistry Physical and Theoretical		recillology	221	Chemistry Physics & Astronomy	30	Engineering
on doped o-anthranilic	1604 1605	Chemistry Spectroscopy Electrical and Electronic Engineering		Engineering &	409 439	Engineering - Petroleum Engineering -	1	Physical
acid and o-aminophenol	2208 2504	Electronic, Optical and Magnetic Materials Atomic and Molecular		Technology	249 221	Electrical & Electronic Materials	I	Sciences
copolymer	3107	Physics, and Optics	2 4	Natural Sciences	433	Science	37 36	Engineering
Performance estimation of	3107	Friysics, and Optics	2 4	ivaturat Sciences	433	Science	37 30	Eligilieelilig
a mini-passive solar still				Engineering &			1	
via machine learning	2105	Renewable Energy, Sustainability and the Environment	2		221	Engineering - Electrical & Electronic	36	Engineering
An innovative cooling	2103	nonewable Energy, Sustainability and the Environment	+	raciniology	221	Engineering - Electrical & Electronic	30	Luginiccinig
technique for floating								
photovoltaic module:		Energy Engineering and Power Technology Fuel Technology Nuclear						
Adoption of partially	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the		Engineering &		Engineering - Petroleum Engineering -		
submerged angle fins	2104 2105	Environment	2		249 221	Electrical & Electronic	36	Engineering
One-pot conversion of	2101 2100	Environment	_	- comictogy	2.0 222	Electrical d Electricine	- 55	Linginiouring
highly acidic waste								
cooking oil into biodiesel				Engineering &		Engineering - Petroleum Engineering -		Physical
over a novel bio-based bi-	1500 1605	General Chemical Engineering Organic Chemistry Energy		Technology	249 219	Chemical Chemistry Engineering -		Sciences
functional catalyst	2102 2103	Engineering and Power Technology Fuel Technology	2 4	Natural Sciences	409 221	Electrical & Electronic	37 36	Engineering
Power management	· ·	5 5 5,1			i i	Computer Science & Information		
strategy based on adaptive						Systems Engineering - Petroleum		Computer
neuro fuzzy inference	1700 2200	General Computer Science General Engineering Electrical and		Engineering &	212 249	Materials Science Engineering -		Science
system for AC microgrid	2208 2500	Electronic Engineering General Materials Science	2	Technology	433 221	Electrical & Electronic	38 36	Engineering
Design and								
characterization of a								
vertical-axis micro tidal		Energy Engineering and Power Technology Fuel Technology Nuclear						
turbine for low velocity	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the		Engineering &		Engineering - Electrical & Electronic		
scenarios	2104 2105	Environment	2	Technology	221 249	Engineering - Petroleum	36	Engineering
Catalytic fast pyrolysis of								
lignocellulosic biomass:				Engineering &			1	Engineering
Recent advances and				Technology	409 249	Chemistry Engineering - Petroleum	I	Physical
comprehensive overview	1602 2103	Analytical Chemistry Fuel Technology	2 4	Natural Sciences	221	Engineering - Electrical & Electronic	36 37	Sciences
Theoretical investigation of				1			1	
the temperature limits of	2101 2102	Energy (miscellaneous) Energy Engineering and Power Technology		Natural		Engineering - Electrical & Electronic	I	l
an actively cooled high	2103 2105	Fuel Technology Renewable Energy, Sustainability and the		Sciences	221 106	Architecture Engineering - Civil &	1	Engineering
concentration	2201 2208	Environment Engineering (miscellaneous) Electrical and Electronic		Engineering &	220 431	Structural Mathematics Engineering -	l	Physical
photovoltaic system	2215 2606	Engineering Building and Construction Control and Optimization	4 2	Technology	249	Petroleum	36 37	Sciences
1				Social Sciences			1	
Dual valorization of				& Management			I	
coastal biowastes for				Natural			1	
tetracycline remediation				Sciences			1	M
and biomethane	00041 00051	Facility and the Character of Facility and the Character of the Character		Engineering &			1	Medical and
production: A composite	2304 2305	Environmental Chemistry Environmental Engineering Health,		Technology Life		Facility and Colonia (Colonia	1	Health
assisted anaerobic	2307 2310 2311	Toxicology and Mutagenesis Pollution Waste Management and	3 4 2 5	Sciences & Medicine	424 249	Environmental Sciences Engineering - Petroleum	34 37	Physical Sciences
digestion	2311	Disposal	3 4 2 5	riedicine	424 249	retroteum	34 3/	ociences

Effectiveness of some	I					1		1	
novel heterocyclic									
compounds as corrosion					Natural				
inhibitors for carbon steel					Sciences				Physical
in 1 M HCl using practical					Engineering &				Sciences
and theoretical methods	1500 1600	General Chemical Engineering General Chemistry	4 2		Technology	409 219	Chemistry Engineering - Chemical	37 36	Engineering
Coyote optimization based	1000 1000	outside chomode Engineering constat one mous	-1-		- roominotogy	100 210	enermony Engineering enermon	07 00	Linginiouring
on a fuzzy logic algorithm									Engineering
for energy-efficiency in	1700 2200	General Computer Science General Engineering General Materials			Engineering &		Computer Science & Information		Computer
wireless sensor networks	2500	Science		2	Technology	212 433	Systems Materials Science	36 38	Science
Toward a national life cycle							Architecture Engineering - Electrical &		
assessment tool:						106 221	Electronic Engineering - Mechanical		
Generative design for early	2205 2208	Civil and Structural Engineering Electrical and Electronic Engineering			Engineering &	222 249	Engineering - Petroleum Engineering -		
decision support	2210 2215	Mechanical Engineering Building and Construction		2	Technology	220	Civil & Structural	36	Engineering
Integration of active solar	'	0 0,			- 57		Architecture Engineering - Civil &		
cooling technology into	2205 2211				Engineering &	106 220	Structural Engineering - Petroleum		Engineering
passively designed facade	2213 2215	Civil and Structural Engineering Mechanics of Materials Safety, Risk,			Technology Arts	249 433	Materials Science Engineering -		Arts and
in hot climates	2216	Reliability and Quality Building and Construction Architecture	2 1		& Humanities	222	Mechanical	36 33	Humanities
Thermal regulation of									
partially floating									
photovoltaics for									
enhanced electricity									
production: A modeling		Energy Engineering and Power Technology Renewable Energy,			Engineering &		Engineering - Petroleum Engineering -		
and experimental analysis	2102 2105	Sustainability and the Environment	L	2	Technology	249 221	Electrical & Electronic	36	Engineering
Experimental performance									
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concentrated photovoltaic									
utilizing various mass flow									
rates of Al2O3-nanofluid:									
Energy, exergy, and		Energy Engineering and Power Technology Renewable Energy,			Engineering &		Engineering - Petroleum Engineering -		
exergoeconomic study	2102 2105	Sustainability and the Environment		2	Technology	249 221	Electrical & Electronic	36	Engineering
Facile synthesis of spin-									
coated poly (4-	1604 1605	Inorganic Chemistry Organic Chemistry Physical and Theoretical					Chemistry Physics & Astronomy		
nitroaniline) thin film:	1606 1607	Chemistry Spectroscopy Electrical and Electronic Engineering			Engineering &	409 439	Engineering - Electrical & Electronic		Physical
Structural and optical	2208 2504	Electronic, Optical and Magnetic Materials Atomic and Molecular			Technology	221 249	Engineering - Petroleum Materials		Sciences
properties	3107	Physics, and Optics	2 4		Natural Sciences	433	Science	37 36	Engineering
Exploring the potential of									
sheep wool as an eco-					0		E. Z Z M L Z II		
friendly insulation		B			Social Sciences		Engineering - Mechanical		F. A A. A
material: A comprehensive	21051 22001	Renewable Energy, Sustainability and the Environment Industrial and			& Management	2221 4241	Environmental Sciences Engineering -		Engineering
review and analytical	2105 2209 2311 2500	Manufacturing Engineering Waste Management and Disposal General Materials Science	3 2		Engineering &	222 424 221 433	Electrical & Electronic Materials	36 37	Physical Sciences
ranking Groop bydrogon	2011 2000	General materials science	3 2		Technology	221 433	Science	30 3/	Sciences
Green hydrogen production ensemble					Engineering &				
forecasting based on		Economics and Econometrics Energy Engineering and Power			Technology		Economics & Econometrics		Engineering
hybrid dynamic	2002 2102	Technology Fuel Technology Renewable Energy, Sustainability and			Social Sciences	317 249	Engineering - Petroleum Engineering -		Business and
optimization algorithm	2103 2105	the Environment	2 3		& Management	221	Electrical & Electronic	36 35	Economics
Performance evaluation of			-10					55,50	
a novel self-tuning particle									
swarm optimization									
algorithm-based									
maximum power point									
tracker for porton									
exchange membrane fuel		Energy Engineering and Power Technology Fuel Technology Nuclear							
cells under different	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the			Engineering &		Engineering - Petroleum Engineering -		
operating conditions	2104 2105	Environment		2	Technology	249 221	Electrical & Electronic	36	Engineering
Conceptual design and	· ·				<u> </u>		Engineering - Mineral & Mining		
numerical analysis of a							Geophysics Environmental Sciences		
novel floating desalination					Engineering &	247 451	Engineering - Petroleum Engineering -		Physical
plant powered by marine	2205 2212	Civil and Structural Engineering Ocean Engineering Water Science			Technology	424 249	Civil & Structural Earth & Marine		Sciences
renewable energy for Egypt	2312	and Technology	2 4		Natural Sciences	220 416	Sciences	37 36	Engineering

Power management and									
optimized control of hybrid		Energy Engineering and Power Technology Renewable Energy,							
PV-BESS-grid integrated	2102 2105	Sustainability and the Environment Electrical and Electronic			Engineering &		Engineering - Petroleum Engineering -		
fast EV charging stations	2208	Engineering		2	Technology	249 221	Electrical & Electronic	36	Engineering
Artificial neural network									
based prediction of ship					Natural		Engineering - Petroleum Engineering -		
speed under operating				- 1	Sciences	249 247	Mineral & Mining Environmental		Engineering
conditions for operational					Engineering &	424 416	Sciences Earth & Marine Sciences		Physical
optimization	2212 2305	Ocean Engineering Environmental Engineering	4 2	_	Technology	451	Geophysics	36 37	Sciences
Hydrogen-Rich Syngas and	2101 2102	Energy (miscellaneous) Energy Engineering and Power Technology			F				F. A
Biochar Production by	2103 2105	Fuel Technology Renewable Energy, Sustainability and the			Engineering &	0401.0041	Facial and a Returbation of Facial and		Engineering
Non-Catalytic Valorization	2201 2208 2606	Environment Engineering (miscellaneous) Electrical and Electronic	2 4	- 1	Technology	249 221 431	Engineering - Petroleum Engineering - Electrical & Electronic Mathematics	36 37	Physical
of Date Palm Seeds Systematic study of	2000	Engineering Control and Optimization	2 4	_	Natural Sciences	431	Electrical & Electronic Mathematics	30 37	Sciences
optoelectronic and									
thermoelectric properties									
of new lead-free halide									
double perovskites									
A2KGal6(A = Cs, Rb) for					Engineering &				Physical
solar cell applications via	2210 2211	Mechanical Engineering Mechanics of Materials General Materials			Technology	439 222	Physics & Astronomy Engineering -		Sciences
ab-initio calculations	2500 3104	Science Condensed Matter Physics	2 4		Natural Sciences	433	Mechanical Materials Science	37 36	Engineering
Prediction and	· ·	·					·		
assessment of automated							Business & Management Studies		Engineering
lifting system performance					Social Sciences		Engineering - Mechanical Engineering		Physical
for multi-storey parking	1408 2105	Strategy and Management Renewable Energy, Sustainability and the			& Management	308 222	- Electrical & Electronic		Sciences
lots powered by solar	2209 2215	Environment Industrial and Manufacturing Engineering Building and			Engineering &	221 424	Environmental Sciences Engineering -	36 37	Business and
energy	2300	Construction General Environmental Science	3 2		Technology	220 106	Civil & Structural Architecture	35	Economics
Modelling the impact of									
lining and covering									
irrigation canals on									
underlying groundwater					F				Dhusiasi
stores in the Nile Delta, Egypt	2312	Water Science and Technology			Engineering & Technology	424	Environmental Sciences	37	Physical Sciences
Water Desalination Using	2312	Water Science and recrinology		_	Engineering &	424	Elivilolillelitat Sciences	37	Physical
Solar Thermal Collectors	1500 1600	General Chemical Engineering General Chemistry Industrial and			Technology	222 409	Engineering - Mechanical Chemistry		Sciences
Enhanced by Nanofluids	2209	Manufacturing Engineering	2 4		Natural Sciences	219	Engineering - Chemical	37 36	Engineering
A Comparative Review on									
Single Phase									
Transformerless Inverter	2101 2102	Energy (miscellaneous) Energy Engineering and Power Technology							
Topologies for Grid-	2103 2105	Fuel Technology Renewable Energy, Sustainability and the			Engineering &				Physical
Connected Photovoltaic	2201 2208	Environment Engineering (miscellaneous) Electrical and Electronic			Technology	431 221	Mathematics Engineering - Electrical		Sciences
Systems	2606	Engineering Control and Optimization	2 4		Natural Sciences	249	& Electronic Engineering - Petroleum	37 36	Engineering
Synthesis,									
characterization, and									
photosensitizer									
applications for dye-based					Fasianadas 0				
on ZrO2- acriflavine	16001 16041	Analytical Chamistry Unargania Chamistry Organia Chamistry		- 1	Engineering &				Dhysical
nanocomposite thin film [ZrO2+ACF]C	1602 1604 1605 1607	Analytical Chemistry Inorganic Chemistry Organic Chemistry Spectroscopy	2 4		Technology Natural Sciences	409 249	Chemistry Engineering - Petroleum	37	Physical Sciences
Evaluation of Storage	1000 1007	ореспозсору	2 4	+	ivaturat ociences	403 243	Chemistry Engineering - Fetroteum	3/	Julelines
Stability for Biocrude									
Derived from							Engineering - Petroleum Engineering -		
Hydrothermal Liquefaction	1500 2102	General Chemical Engineering Energy Engineering and Power			Engineering &	249 219	Chemical Engineering - Electrical &		
of Microalgae	2103	Technology Fuel Technology			Technology	221	Electronic	36	Engineering
Experimental study of		5,1		\neg					
simultaneous effect of			1			1			
evacuated tube collectors			1			1			
coupled with parabolic			1			1			
reflectors on traditional						1			
single slope solar still					Engineering &		Engineering - Petroleum Engineering -		
efficiency	1507 2201	Fluid Flow and Transfer Processes Engineering (miscellaneous)	1	2	Technology	249 219	Chemical	36	Engineering

Cindle atawa wanta ail								1	
Single-stage waste oil									
conversion into biodiesel									
via sonication over bio-									
based bifunctional									
catalyst: Optimization,					l .				l -
preliminary techno-					Engineering &		Chemistry Engineering - Petroleum		Engineering
economic and	1500 1605	General Chemical Engineering Organic Chemistry Energy			Technology	409 249	Engineering - Electrical & Electronic		Physical
environmental analysis	2102 2103	Engineering and Power Technology Fuel Technology	2 4		Natural Sciences	221 219	Engineering - Chemical	36 37	Sciences
Retrofit of heat exchanger									
networks by graphical									
Pinch Analysis - A case									
study of a crude oil refinery					Engineering &		Engineering - Chemical Engineering -		
in Kuwait	1507 2201	Fluid Flow and Transfer Processes Engineering (miscellaneous)		2	Technology	219 249	Petroleum	36	Engineering
Energy and exergy									
analyses of new cooling									
schemes based on a									
serpentine configuration							Engineering - Mechanical Engineering		
for a high concentrator		Energy Engineering and Power Technology Industrial and			Engineering &	222 249	- Petroleum Engineering - Electrical &		
photovoltaic system	2102 2209	Manufacturing Engineering		2	Technology	221	Electronic	36	Engineering
Response Surface									
Optimisation of Vertical									
Axis Wind Turbine at low					Engineering &		Engineering - Petroleum Engineering -		
wind speeds	2100	General Energy		2	Technology	249 221	Electrical & Electronic	36	Engineering
Numerical	-								
hydrodynamics-based									
design of an offshore					Natural		Environmental Sciences Geophysics		
platform to support a					Sciences	424 451	Engineering - Mineral & Mining Earth &		Engineering
desalination plant and a					Engineering &	247 416	Marine Sciences Engineering -		Physical
wind turbine in Egypt	2212 2305	Ocean Engineering Environmental Engineering	4 2		Technology	249	Petroleum	36 37	Sciences
Performance analysis of			-11-						
reinforced epoxy									
functionalized carbon									
nanotubes composites for									Engineering
vertical axis wind turbine									Physical
blade	1600 2507	General Chemistry Polymers and Plastics		4	Natural Sciences	409 433	Chemistry Materials Science	36 37	Sciences
Techno-economic multi-		,,,,				.00, .00	,		
objective reactive power									
planning in integrated wind									
power system with		Energy Engineering and Power Technology Electrical and Electronic			Engineering &		Engineering - Petroleum Engineering -		
improving voltage stability	2102 2208	Engineering		2	Technology	249 221	Electrical & Electronic	36	Engineering
Numerical investigation of	2102 2200	Engineering			recimotogy	240 221	Electrical a Electronic	- 00	Linginicums
the indoor thermal									
behaviour based on PCMs					Arts &				Arts and
in a hot climate	2216	Architecture		1	Humanities	106	Architecture	33	Humanities
Recycling of catering	2210	Anomicotale		_	riumamides	100	Audintecture	33	riumanilies
waste for sequential									
production of biohydrogen					Engineering &				
and biomethane; pre-					Technology				Engineering
treatments, batch, and	1501 1508	Chemical Engineering (miscellaneous) Process Chemistry and			Social Sciences	424 219	Environmental Sciences Engineering -		Physical
continuous mode studies	2310 2311	Technology Pollution Waste Management and Disposal	2 3		& Management	249	Chemical Engineering - Petroleum	36 37	Sciences
	2010 2011	recumorogy 1 octation waste management and pisposat	4 3		a management	240	Chemical Engineering - Fetroteum	30 3/	Julelines
Photodeposition									
						1			
Conditions of Silver									
Cocatalyst on Titanium									
Cocatalyst on Titanium Oxide Photocatalyst									
Cocatalyst on Titanium Oxide Photocatalyst Directing Product									
Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in					Engineering 9				Engineering!
Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction					Engineering &	4001.0401	Ohanista I Fadinadas Davidas		Engineering
Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with	1502 4002	Catalysial Canara Chamistay	21.4		Technology	409 249	Chemistry Engineering - Petroleum	261.27	Physical
Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water	1503 1600	Catalysis General Chemistry	2 4			409 249 219	Chemistry Engineering - Petroleum Engineering - Chemical	36 37	
Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water Combined experimental	1503 1600	, ,	2 4		Technology Natural Sciences		Engineering - Chemical	36 37	Physical Sciences
Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water Combined experimental and TDDFT computations	·	Electrical and Electronic Engineering Electronic, Optical and Magnetic	2 4		Technology Natural Sciences Engineering &	219	Engineering - Chemical Physics & Astronomy Engineering -	36 37	Physical Sciences Physical
Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water Combined experimental	1503 1600 2208 2504 3104 3107	, ,	2 4		Technology Natural Sciences		Engineering - Chemical	36 37 37 36	Physical Sciences

(ortho phenylene diamine)								
thin film with different								
surfactants								
Conducting polymer thin								
film for optoelectronic								
devices applications	2507	Polymers and Plastics	4	Natural Sciences	433	Materials Science	36	Engineering
Optoelectronic and								
photocatalytic properties				Natural				
of GaN, GeS and SiS				Sciences				Physical
monolayers and their vdW	1600 2500	General Chemistry General Materials Science Condensed Matter		Engineering &	409 439	Chemistry Physics & Astronomy		Sciences
heterostructures	3104	Physics	4 2	Technology	433	Materials Science	37 36	Engineering
Improvement of the								
thermal stability and								
optical properties for poly				Engineering &				
(ortho phenylene diamine)	1602 1604	Analytical Chemistry Inorganic Chemistry Organic Chemistry		Technology				Physical
using soft templates	1605 1607	Spectroscopy	2 4	Natural Sciences	249 409	Engineering - Petroleum Chemistry	37	Sciences
Physical properties of							-	
KTaO3 compound for				Natural				
optoelectronic and				Sciences				Physical
thermoelectric	2210 2211	Mechanical Engineering Mechanics of Materials General Materials		Engineering &	222 439	Engineering - Mechanical Physics &		Sciences
			41.0				271.26	
applications: A DFT study	2500 3104	Science Condensed Matter Physics	4 2	Technology	433	Astronomy Materials Science	37 36	Engineering
Optimal parameters				L				
identification for PEMFC		From Friday Annual Promotion Control Control		Natural		Electrical Florida Company		F. 2 1 .
using autonomous groups		Energy Engineering and Power Technology Fuel Technology		Sciences		Engineering - Electrical & Electronic		Engineering
particle swarm	2102 2103	Renewable Energy, Sustainability and the Environment Condensed		Engineering &	221 249	Engineering - Petroleum Physics &		Physical
optimization algorithm	2105 3104	Matter Physics	4 2	Technology	439	Astronomy	36 37	Sciences
				Engineering &				
Polypyrrole/functionalized				Technology				
multi-walled carbon				Natural				Life Sciences
nanotube composite for	1303 1500			Sciences Life	222 409	Engineering - Mechanical Chemistry		Engineering
optoelectronic device	1600 2209	Biochemistry General Chemical Engineering General Chemistry		Sciences &	219 433	Engineering - Chemical Materials	32 36	Physical
application	2505	Industrial and Manufacturing Engineering Materials Chemistry	2 4 5	Medicine	507	Science Biological Sciences	37	Sciences
				Natural				
District of the second state of the second sta								
Priysical characteristics of				Sciences				
Physical characteristics of barium based cubic				Sciences Engineering &	409 249	Chemistry Engineering - Petroleum		Physical
	1606 3100	Physical and Theoretical Chemistry General Physics and Astronomy	412	Engineering &	409 249 439	Chemistry Engineering - Petroleum Physics & Astronomy	37	Physical Sciences
barium based cubic perovskites	1606 3100	Physical and Theoretical Chemistry General Physics and Astronomy	4 2		409 249 439	Chemistry Engineering - Petroleum Physics & Astronomy	37	Physical Sciences
barium based cubic perovskites One-dimensional ternary	1606 3100	Physical and Theoretical Chemistry General Physics and Astronomy	4 2	Engineering &			37	
barium based cubic perovskites One-dimensional ternary conducting polymers	1606 3100	Physical and Theoretical Chemistry General Physics and Astronomy	4 2	Engineering &			37	
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power	1606 3100	Physical and Theoretical Chemistry General Physics and Astronomy	4 2	Engineering &			37	
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for	1606 3100	Physical and Theoretical Chemistry General Physics and Astronomy	4 2	Engineering & Technology			37	
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices				Engineering & Technology Engineering &				Sciences
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications	1606 3100	Physical and Theoretical Chemistry General Physics and Astronomy General Engineering	4 2	Engineering & Technology			37	
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and				Engineering & Technology Engineering &				Sciences
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of				Engineering & Technology Engineering &				Sciences
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane				Engineering & Technology Engineering &				Sciences
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and				Engineering & Technology Engineering &				Sciences
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification –				Engineering & Technology Engineering & Technology				Sciences
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water	2200	General Engineering	2	Engineering & Technology Engineering & Technology Engineering & Technology	-	Physics & Astronomy	36	Sciences Engineering
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system		General Engineering Renewable Energy, Sustainability and the Environment		Engineering & Technology Engineering & Technology				Sciences
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification vater desalination system Yield and energy outputs	2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear	2	Engineering & Technology Engineering & Technology Engineering & Technology	-	Physics & Astronomy - Engineering - Electrical & Electronic	36	Sciences Engineering
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system Yield and energy outputs analysis of sawdust	2200 2105 2102 2103	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	- 221	Physics & Astronomy - Engineering - Electrical & Electronic Engineering - Electrical & Electronic	36	Sciences Engineering Engineering
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification dehumidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis	2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear	2	Engineering & Technology Engineering & Technology Engineering & Technology	-	Physics & Astronomy - Engineering - Electrical & Electronic	36	Engineering Engineering Engineering
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint	2200 2105 2102 2103 2104 2105	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	- 221	Physics & Astronomy - Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering Engineering Engineering Computer
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink	2200 2105 2102 2103 2104 2105 1700 2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science	36 36	Engineering Engineering Engineering Computer Science
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint	2200 2105 2102 2103 2104 2105	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	- 221	Physics & Astronomy - Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering Engineering Engineering Computer
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink	2200 2105 2102 2103 2104 2105 1700 2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science	36 36	Engineering Engineering Engineering Computer Science
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm	2200 2105 2102 2103 2104 2105 1700 2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science	36 36	Engineering Engineering Engineering Computer Science
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification - dehumidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm Experimental and	2200 2105 2102 2103 2104 2105 1700 2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science	36 36	Engineering Engineering Engineering Computer Science
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm Experimental and multiphase modeling of	2200 2105 2102 2103 2104 2105 1700 2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science	36 36	Engineering Engineering Engineering Computer Science
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification — dehumidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm Experimental and muttiphase modeling of small vertical-axis	2200 2105 2102 2103 2104 2105 1700 2200	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials	2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science & Information Systems	36 36	Engineering Engineering Engineering Computer Science
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification – delumidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm Experimental and multiphase modeling of small vertical-axis hydrokinetic turbine with free-surface variations	2105 2102 2103 2104 2105 1700 2200 2500	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials Science	2 2 2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249 433 212	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science	36 36 36 38 36	Engineering Engineering Engineering Computer Science Engineering
barium based cubic perovskites One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications Experimental and numerical simulation of solar membrane distillation and humidification and humidification water desalination system Yield and energy outputs analysis of sawdust biomass pyrolysis Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm Experimental and multiphase modeling of small vertical-axis hydrokinetic turbine with	2105 2102 2103 2104 2105 1700 2200 2500	General Engineering Renewable Energy, Sustainability and the Environment Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment General Computer Science General Engineering General Materials Science	2 2 2	Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology Engineering & Technology	221 221 249 433 212	Engineering - Electrical & Electronic Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science & Information Systems	36 36 36 38 36	Engineering Engineering Engineering Computer Science Engineering

oxidation stability of								
biodiesel			-		1			
Comparison of the								
Computational Fluid								
Dynamics Predictions of								
Vertical Axis Wind Turbine								
Performance Against								
Detailed Pressure		Energy Engineering and Power Technology Renewable Energy,		Engineering &		Engineering - Electrical & Electronic		
Measurements	2102 2105	Sustainability and the Environment	2	Technology	221 249	Engineering - Petroleum	36	Engineering
Physical structure, TD-DFT								
computations, and optical								
properties of hybrid								
nanocomposite thin film				Engineering &				
as optoelectronic devices	1500	General Chemical Engineering	2	Technology	219	Engineering - Chemical	36	Engineering
		0 10 0		Engineering &		0 44 0		
!				Technology Life				Life Sciences
Aqueous Phase from				Sciences &				Social
Hydrothermal				Medicine Social		Geography Environmental Sciences		Sciences
	1104 1303	Aquatic Science Biochemistry Water Science and Technology	1		4251 4241	Agriculture & Forestry Biological	221 401	
Liquefaction: Composition	2312 3305		21512	Sciences &	425 424		32 40 37	Physical
and Toxicity Assessment	2312 3303	Geography, Planning and Development	2 5 3	Management	502 507	Sciences	3/	Sciences
Fabrication,			1					1
characterization, TD-DFT,			1					
optical and electrical			1					1
properties of poly (aniline-			1					
co-para nitroaniline)/ZrO2			1					
composite for solar cell			1	Engineering &				1
applications	1500	General Chemical Engineering	2	Technology	219	Engineering - Chemical	36	Engineering
Nickel Oxide								
Nanoparticles Application			1					1
for Enhancing Biogas			1					1
Production Using Certain			1	Social Sciences				
Wastewater Bacteria and			1	& Management				Engineering
Aquatic Macrophytes	2105 2305	Renewable Energy, Sustainability and the Environment Environmental		Engineering &		Engineering - Electrical & Electronic		Physical
Biomass	2311	Engineering Waste Management and Disposal	3 2	Technology	221 424	Environmental Sciences	36 37	Sciences
Relevance of		0 44 61 44 4 46 4 4 4 4 4	'		'			
monocrystalline and thin-			1					1
film technologies in			1					
implementing efficient								
grid-connected			1					
photovoltaic systems in			1	Fasings (1.10				1
historic buildings in Port		O IF. do do.		Engineering &				
Fouad city, Egypt	2200	General Engineering	2	Technology	-	-	36	Engineering
1			1			Engineering - Petroleum Earth &		1
Evolution of ion-acoustic			1	Natural	249 416	Marine Sciences Engineering - Mineral		1
soliton waves in Venus's	1900 1902	General Earth and Planetary Sciences Atmospheric Science	1	Sciences	247 439	& Mining Physics & Astronomy		Physical
ionosphere permeated by	1908 1912	Geophysics Space and Planetary Science Aerospace Engineering	1	Engineering &	222 450	Engineering - Mechanical Geology		Sciences
the solar wind	2202 3103	Astronomy and Astrophysics	4 2	Technology	451	Geophysics	37 36	Engineering
Conceptual design of a								
novel partially floating			1					
photovoltaic integrated			1	Natural		Engineering - Mineral & Mining		1
with smart energy storage			1	Sciences	247 249	Engineering - Petroleum Earth &		Engineering
and management system			1	Engineering &	416 451	Marine Sciences Geophysics		Physical
for Egyptian North Lakes	2212 2305	Ocean Engineering Environmental Engineering	4 2	Technology	424	Environmental Sciences	36 37	Sciences
Model-assisted active	,	3 A A 101	'-		† -:-		1 - 1	
		1	1					
				1	1	i .	1	l
disturbance rejection				Engineering 9				Dhysical
disturbance rejection controller for maximum	2102 2200	Energy Engineering and Power Technology I Electrical and Electronic		Engineering &	221 421	Engineering - Electrical & Electronic		Physical Sciences I
disturbance rejection controller for maximum efficiency schemes of	2102 2208	Energy Engineering and Power Technology Electrical and Electronic	21.4	Technology	221 431	Engineering - Electrical & Electronic	271.00	Sciences
disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines	2102 2208 2611	Energy Engineering and Power Technology Electrical and Electronic Engineering Modeling and Simulation	2 4		221 431 249	Engineering - Electrical & Electronic Mathematics Engineering - Petroleum	37 36	
disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines A Recommendation			2 4	Technology			37 36	Sciences Engineering
disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines A Recommendation System for Electric	2611	Engineering Modeling and Simulation	2 4	Technology Natural Sciences		Mathematics Engineering - Petroleum	37 36	Sciences Engineering
disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines A Recommendation			2 4	Technology			37 36 38 36	Sciences Engineering

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Machine and WaterWheel									
Plant Algorithms									
Experimental investigation									
of two novel arrangements									
of air gap membrane									
distillation module with					Engineering &		Engineering - Petroleum Engineering -		
heat recovery	2100	General Energy		2	Technology	249 221	Electrical & Electronic	36	Engineering
		Computer Networks and Communications Hardware and					Materials Science Physics &		Physical
A Comparative Study of	1705 1708	Architecture Control and Systems Engineering Electrical and			Natural		Astronomy Engineering - Petroleum		Sciences
MPPT for PV System Based	2207 2208	Electronic Engineering Safety, Risk, Reliability and Quality			Sciences	433 439	Computer Science & Information		Engineering
on Modified Perturbation	2213 2504	Electronic, Optical and Magnetic Materials Instrumentation Atomic			Engineering &	249 212	Systems Engineering - Electrical &	37 36	Computer
Observation Method	3105 3107	and Molecular Physics, and Optics	4 2		Technology	221	Electronic	38	Science
Optical constants of									
ternary	1604 1605	Inorganic Chemistry Organic Chemistry Physical and Theoretical			Natural		Chemistry Physics & Astronomy		
Cux(Ge30Se70)100-x thin	1606 1607	Chemistry Spectroscopy Electrical and Electronic Engineering			Sciences	409 439	Engineering - Electrical & Electronic		Physical
films for solar cell	2208 2504	Electronic, Optical and Magnetic Materials Atomic and Molecular			Engineering &	221 433	Materials Science Engineering -		Sciences
applications	3107	Physics, and Optics	4 2		Technology	249	Petroleum	37 36	Engineering
Enviro-economic and		, ,							0 0
optimal hybrid energy									
system: Photovoltaic-									
biogas-hydro-battery									
system in rural areas of									
Pakistan	1000	Multidisciplinary	_		_	1.	_	_	_
Toward Enhancing the	1000	, randoopandry							
Energy Efficiency and							Engineering - Mechanical Computer		
Minimizing the SLA	1702 1705	Artificial Intelligence Computer Networks and Communications					Science & Information Systems Data		Computer
Violations in Cloud Data	1702 1705	Computer Science Applications Civil and Structural Engineering			Engineering 0	222 212	Science Engineering - Civil &		Science
Centers	2206	Computational Mechanics		2	Engineering & Technology	213 220	Structural	38 36	Engineering
	2200	Computational Mechanics			reciliology	213 220	Structurat	30 30	Eligilieelilig
Development and									
implementation of two-									
stage boost converter for									
single-phase inverter							Engineering - Petroleum Computer		Engineering
without transformer for PV					Engineering &	249 212	Science & Information Systems		Computer
systems	1700 2208	General Computer Science Electrical and Electronic Engineering		2	Technology	221	Engineering - Electrical & Electronic	36 38	Science
Synthesis,									
characterization, DFT-									
TDDFT calculations and					Natural				
optical properties of a					Sciences		Materials Science Physics &		Physical
novel pyrazole-1,2,3-	2208 2504	Electrical and Electronic Engineering Electronic, Optical and Magnetic			Engineering &	433 439	Astronomy Engineering - Electrical &		Sciences
triazole hybrid thin film	3107	Materials Atomic and Molecular Physics, and Optics	4 2		Technology	221 249	Electronic Engineering - Petroleum	37 36	Engineering
Heuristic Approach for	-								
Net-Zero Energy									
Residential Buildings in									
Arid Region Using Dual					Engineering &				Engineering
Renewable Energy	2205 2215	Civil and Structural Engineering Building and Construction			Technology Arts		Engineering - Civil & Structural		Arts and
Sources	2216	Architecture	2 1		& Humanities	220 106	Architecture	36 33	Humanities
Correction to: Hydrogen									
production, storage,									
utilisation and									
environmental impacts: a									
review (Environmental						1			
Chemistry Letters, (2022),					Natural				
20, 1, (153-188),					Sciences				
10.1007/s10311-021-					Engineering &		Engineering - Petroleum		Physical
01322-8)	2304	Environmental Chemistry	4 2		Technology	249 424	Environmental Sciences	37	Sciences
Enhancing Healing		• • •	<u> </u>			<u> </u>			
Environment and									
Sustainable Finishing					Engineering &				Arts and
Materials in Healthcare	2205 2215	Civil and Structural Engineering Building and Construction			Technology Arts		Architecture Engineering - Civil &		Humanities
Buildings	2205 2215	Architecture	2 1		& Humanities	106 220	Structural	33 36	Engineering
Aspen Plus simulation of a	-210	7.10.111.001.0110	-1-		Engineering &	100 220	Engineering - Petroleum Engineering -	55 50	LIIBINGGIIIIB
low capacity organic	2100	General Energy	ĺ	2	Technology	249 221	Electrical & Electronic	36	Engineering
tow capacity organic	2100	Ocherat Energy			recilliology	243 221	LICUTION & EICUTOTHU	30	Engineening

Rankine cycle heated by									
solar energy									
New analytical									
assessment for fast and									
complete pre-fault									
restoration of grid-									
connected FSWTs with									
fuzzy-logic pitch-angle		Energy Engineering and Power Technology Electrical and Electronic			Engineering &		Engineering - Petroleum Engineering -		
controller	2102 2208	Engineering		2	Technology	249 221	Electrical & Electronic	36	Engineering
							Earth & Marine Sciences Engineering -		
					Natural	416 247	Mineral & Mining Geophysics		
	1900 1902	General Earth and Planetary Sciences Atmospheric Science			Sciences	451 249	Engineering - Petroleum Physics &		Physical
lonospheric losses of	1908 1912	Geophysics Space and Planetary Science Aerospace Engineering			Engineering &	439 450	Astronomy Geology Engineering -		Sciences
Venus in the solar wind	2202 3103	Astronomy and Astrophysics	4 2		Technology	222	Mechanical	37 36	Engineering
Multi-functional core-shell									
pomegranate peel									
amended alginate beads									
for phenol									
decontamination and bio-									Į.
hydrogen production:					Engineering &				Engineering
Synthesis,					Technology Life				Life Sciences
characterization, and	1305 1502	Biotechnology Bioengineering Biomedical Engineering			Sciences &	219 424	Engineering - Chemical Environmental	36 32	Physical
kinetics investigation	2204 2305	Environmental Engineering	2 5		Medicine	507	Sciences Biological Sciences	37	Sciences
Effect of using an infrared									_
filter on the performance					Natural				
of a silicon solar cell for an					Sciences				Engineering
ultra-high concentrator	2210 2211	Mechanical Engineering Mechanics of Materials General Materials			Engineering &	222 439	Engineering - Mechanical Physics &		Physical
photovoltaic system	2500 3104	Science Condensed Matter Physics	4 2		Technology	433	Astronomy Materials Science	36 37	Sciences
Trajectory optimization for									
UAV-assisted relay over 5G									
networks based on									
reinforcement learning	1705 1706	Computer Networks and Communications Computer Science			Engineering &		Computer Science & Information		Computer
framework	1711	Applications Signal Processing		2	Technology	212 213	Systems Data Science	38	Science
A fast-tracking MPPT-									
based modified coot									
optimization algorithm for									
PV systems under partial					Engineering &				
shading conditions	2200	General Engineering		2	Technology	-	-	36	Engineering
Sustainable Building					Engineering &				Engineering
Optimization Model for	2205 2215	Civil and Structural Engineering Building and Construction			Technology Arts		Engineering - Civil & Structural		Arts and
Early-Stage Design	2216	Architecture	2 1		& Humanities	220 106	Architecture	36 33	Humanities
Potential application of			i						
solar still desalination in					Engineering &				Physical
NEOM region	2312	Water Science and Technology		2	Technology	424	Environmental Sciences	37	Sciences
Implementation of						<u> </u>			
boolean PSO for service									
restoration using									
distribution network									
reconfiguration									
simultaneously with									
distributed energy									
resources and capacitor		Energy Engineering and Power Technology Renewable Energy,			Engineering &		Engineering - Electrical & Electronic		
banks	2102 2105	Sustainability and the Environment		2	Technology	221 249	Engineering - Petroleum	36	Engineering
Energetic, environmental	. ,	,				1	5 // 6 / /	i	56
and economic (3E)						1			
analysis of a CSA						1			
algorithm optimized			1			I			
floatovoltaic system						1			
integrated with heat sink:					Engineering &	1			Engineering
Modeling with	2200 2603	General Engineering Analysis Applied Mathematics Computational			Technology	1			Physical
experimental validation	2604 2605	Mathematics	2 4		Natural Sciences	431	Mathematics	36 37	Sciences
osponincitat validation	2007 2000	- Indianation	1 417			701	. iddiomatico	50 07	551611665

Experimental analysis and numerical simulation of biomass pyrolysis	1606 2505 2507 3104 3500	Physical and Theoretical Chemistry Materials Chemistry Polymers and Plastics Condensed Matter Physics General Dentistry	5 2 4	Life Sciences & Medicine Engineering & Technology Natural Sciences	433 409 439 514 249	Materials Science Chemistry Physics & Astronomy Dentistry Engineering - Petroleum	37 34 36	Physical Sciences Medical and Health Engineering
The potential of optimized floating photovoltaic system for energy production in the Northern Lakes of Egypt	2200 2603 2604 2605	General Engineering Analysis Applied Mathematics Computational Mathematics	2 4	Engineering & Technology Natural Sciences	431	Mathematics	37 36	Physical Sciences Engineering
Combined experimental and theoretical study, characterization, and nonlinear optical properties of doped-poly (p-nitroaniline -co-o-aminophenol) thin films An examination of hub	1602 1604 1605 1607	Analytical Chemistry Inorganic Chemistry Organic Chemistry Spectroscopy	4 2	Natural Sciences Engineering & Technology	249 409	Engineering - Petroleum Chemistry	37	Physical Sciences
wind turbine utilizing fluid- structure interaction strategy	2200	General Engineering	2	Engineering & Technology	-	-	36	Engineering
Facile synthesis of single- crystal of o-phenylene diamine dihydrochloride as a polychloride and fabrication of high- performance semiconductor thin film	1604 1605 1606 1607 2208 2504 3107	Inorganic Chemistry Organic Chemistry Physical and Theoretical Chemistry Spectroscopy Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Atomic and Molecular Physics, and Optics	2 4	Engineering & Technology Natural Sciences	439 249 221 409 433	Physics & Astronomy Engineering - Petroleum Engineering - Electrical & Electronic Chemistry Materials Science	36 37	Engineering Physical Sciences
Green retrofitting of heritage buildings based on (3Ts) framework: An applied case study	2215 2216 3302 3322	Building and Construction Architecture Archeology Urban Studies	1 3 2	Arts & Humanities Social Sciences & Management Engineering & Technology	106 220 105	Architecture Engineering - Civil & Structural Archaeology	40 36 33	Social Sciences Engineering Arts and Humanities
Experimental validation of a low-cost maximum power point tracking technique based on artificial neural network for	4000	Multidisatellines						
photovoltaic systems Comprehensive Review of Renewable Energy Communication Modeling for Smart Systems	1000 2101 2102 2103 2105 2201 2208 2606	Multidisciplinary Energy (miscellaneous) Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment Engineering (miscellaneous) Electrical and Electronic Engineering Control and Optimization	4 2	Natural Sciences Engineering & Technology	431 221 249	- Mathematics Engineering - Electrical & Electronic Engineering - Petroleum	37 36	Physical Sciences Engineering
Innovative metaheuristic algorithm with comparative analysis of MPPT for 5.5 kW floating photovoltaic system	1500 2213 2304 2305	General Chemical Engineering Safety, Risk, Reliability and Quality Environmental Chemistry Environmental Engineering	4 2	Natural Sciences Engineering & Technology	219 249 424	Engineering - Chemical Engineering - Petroleum Environmental Sciences	37 36	Physical Sciences Engineering
Acid-hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation	1503 1506 1507 1508 2101 3304	Catalysis Filtration and Separation Fluid Flow and Transfer Processes Process Chemistry and Technology Energy (miscellaneous) Education	2 3	Engineering & Technology Social Sciences & Management	219 221 249 318	Engineering - Chemical Engineering - Electrical & Electronic Engineering - Petroleum Education & Training	41 36	Education Studies Engineering
Holistic design of energy- efficient temporary houses: Meeting ventilation, heating, cooling, and lighting demands Electrical and	2205 2211 2213 2215 2216 2210 2211	Civil and Structural Engineering Mechanics of Materials Safety, Risk, Reliability and Quality Building and Construction Architecture Mechanical Engineering Mechanics of Materials Materials	2 1	Engineering & Technology Arts & Humanities Natural	222 433 220 249 106	Engineering - Mechanical Materials Science Engineering - Civil & Structural Engineering - Petroleum Architecture Materials Science Engineering -	36 33	Engineering Arts and Humanities
thermoelectrical	2505 2506	Chemistry Metals and Alloys	4 2	Sciences	433 222	Mechanical	36	Engineering

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properties of Bi2-xNaxTe3					Engineering &				
alloys					Technology				
Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters	2205 2215 2216	Civil and Structural Engineering Building and Construction Architecture	1 2		Arts & Humanities Engineering & Technology	106 220	Architecture Engineering - Civil & Structural	33 36	Arts and Humanities Engineering
A Novel Circuit Configuration for the Integration of Modular Multilevel Converter With									
Large-Scale Grid- Connected PV Systems	2102 2208	Energy Engineering and Power Technology Electrical and Electronic Engineering		2	Engineering & Technology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering
High-performance 2D/3D hybrid dimensional p-n heterojunction solar cell with reduced recombination rate by an	10001 0505					4001.400		071.00	Physical Sciences
interfacial layer A Novel Model Predictive	1600 2505	General Chemistry Materials Chemistry		4	Natural Sciences	409 433	Chemistry Materials Science	37 36	Engineering
Speed Controller for PMSG in Wind Energy Systems	2102 2105	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment		2	Engineering & Technology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering
New Analysis Framework of Lyapunov-Based Stability for Hybrid Wind Farm Equipped with FRT: A Case Study of Egyptian Grid Code	1700 2200 2208 2500	General Computer Science General Engineering Electrical and Electronic Engineering General Materials Science		2	Engineering & Technology	221 249 433 212	Engineering - Electrical & Electronic Engineering - Petroleum Materials Science Computer Science & Information Systems	36 38	Engineering Computer Science
Electrical, dielectric, I-V and antimicrobial behavior of cobalt incapacitated Prussian blue graphene ferrites composite	1604 1606 2505	Inorganic Chemistry Physical and Theoretical Chemistry Materials Chemistry	2 4		Engineering & Technology Natural Sciences	433 409 249	Materials Science Chemistry Engineering - Petroleum	36 37	Engineering Physical Sciences
Optical losses and durability of flawed Fresnel lenses for concentrated photovoltaic application	2210 2211 2500 3104	Mechanical Engineering Mechanics of Materials General Materials Science Condensed Matter Physics	4 2		Natural Sciences Engineering & Technology	433 439 222	Materials Science Physics & Astronomy Engineering - Mechanical	36 37	Engineering Physical Sciences
Thermal annealing effect on the structural and optical characteristics of silicon phthalocyanine dichloride thin films	2208 2504 3107	Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Atomic and Molecular Physics, and Optics	4 2		Natural Sciences Engineering & Technology	221 249 439 433	Engineering - Electrical & Electronic Engineering - Petroleum Physics & Astronomy Materials Science	37 36	Physical Sciences Engineering
A retrofitting framework for improving curtain wall performance by the integration of adaptive technologies	2205 2211 2213 2215 2216	Civil and Structural Engineering Mechanics of Materials Safety, Risk, Reliability and Quality Building and Construction Architecture	1 2		Arts & Humanities Engineering & Technology	220 249 106 433 222	Engineering - Civil & Structural Engineering - Petroleum Architecture Materials Science Engineering - Mechanical	33 36	Arts and Humanities Engineering
Optical component analysis for ultrahigh concentrated photovoltaic system (UHCPV)	2105 2500	Renewable Energy, Sustainability and the Environment General Materials Science		2	Engineering & Technology	433 221	Materials Science Engineering - Electrical & Electronic	36	Engineering
Highly Efficient MPP Tracker Based on Adaptive Neuro-fuzzy Inference System for Stand-Alone Photovoltaic Generator System	2102 2105	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment		2	Engineering & Technology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering
Internal Power Balancing of an MMC-Based Large- Scale PV System Under Unbalanced Voltage Sags	2102 2208	Energy Engineering and Power Technology Electrical and Electronic Engineering		2	Engineering & Technology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering

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Effect of (SbS) addition on								
the physical properties of								
quaternary (CdTe) 100-				Natural				
$x(SbS)x (0 \le x \le 28 \text{ at. } \%)$				Sciences				Physical
glasses and band gap				Engineering &				Sciences
engineering	1600 2500	General Chemistry General Materials Science	4 2	Technology	433 409	Materials Science Chemistry	37 36	Engineering
Effects of turbulence		71	<u>'</u>					0 0
modelling on the								
						Engineering Machanical L Data		
predictions of the pressure						Engineering - Mechanical Data		l <u>-</u>
distribution around the						Science Computer Science &		Engineering
wing of a small scale	1703 1706	Computational Theory and Mathematics Computer Science		Engineering &	222 213	Information Systems Materials		Computer
vertical axis wind turbine	2210 2211	Applications Mechanical Engineering Mechanics of Materials	2	Technology	212 433	Science	36 38	Science
Alloyed Ag2SexS1-x								
quantum dots with red to								
NIR shift: The band gap								
tuning with dopant content								Engineering
for energy harvesting	2504 3104	Electronic, Optical and Magnetic Materials Condensed Matter				Physics & Astronomy Materials		Physical
	3107	Physics Atomic and Molecular Physics, and Optics		Natural Calanasa	4001 400		36 37	
applications	3107	Physics Atomic and Motecular Physics, and Optics	4	Natural Sciences	439 433	Science	36 37	Sciences
A reduced vector model								
predictive controller for a								
three-level neutral point								
clamped inverter with								
common-mode voltage								
suppression	1000	Multidisciplinary	-	-	-	-	-	-
		• •						Physical
								Sciences
Uniberial Flooring Bosses				F				
Hybrid Floating Power				Engineering &				Engineering
Station driven by	1702 1705	Artificial Intelligence Computer Networks and Communications		Technology Life		Computer Science & Information		Medical and
Renewable Energy for	1706 1708	Computer Science Applications Hardware and Architecture Signal		Sciences &	212 213	Systems Data Science Engineering -		Health
Saudi Arabia Coastal	1711 2208	Processing Electrical and Electronic Engineering Control and		Medicine	221 532	Electrical & Electronic Medicine	37 36	Computer
Areas	2606 2718	Optimization Health Informatics	2 5 4	Natural Sciences	249 431	Engineering - Petroleum Mathematics	34 38	Science
				Life Sciences &				
				Medicine				
				Natural				Physical
Recent Advances in				Sciences		Biological Sciences Engineering -		Sciences Life
Floating Photovoltaic	1303 1500	Biochemistry General Chemical Engineering General Chemistry		Engineering &	507 219	Chemical Chemistry Materials	37 32	Sciences
Systems	1600 2505	Materials Chemistry	5 4 2		409 433	Science	36	Engineering
	1600 2505	Materials Crieffistry	5 4 2	Technology	409 433	Science	30	Engineering
Fabrication, carrier								
transport mechanisms and								
photovoltaic properties of								
Au/silicon phthalocyanine				Engineering &		Engineering - Petroleum Engineering -		Engineering
dichloride/p-Si/Al	2208 2504	Electrical and Electronic Engineering Electronic, Optical and Magnetic		Technology	249 221	Electrical & Electronic Materials		Physical
heterojunction device	3107	Materials Atomic and Molecular Physics, and Optics	2 4	Natural Sciences	433 439	Science Physics & Astronomy	36 37	Sciences
Physical properties and		, , ,	i i		i i	<u> </u>	· ·	
DFT calculations of the			1					
hybrid organic polymeric			1					
nanocomposite thin film			1					
			1					
[P(An+o-			1					
Aph)+Glycine/TiO2/]HNC			1	Engineering &				1
with 7.42% power	1602 1604	Analytical Chemistry Inorganic Chemistry Organic Chemistry	1	Technology				Physical
conversion efficiency	1605 1607	Spectroscopy	2 4	Natural Sciences	249 409	Engineering - Petroleum Chemistry	37	Sciences
Simulation of glass fiber								
reinforced polypropylene			1					1
nanocomposites for small	1501 1502	Chemical Engineering (miscellaneous) Bioengineering Process	1	Engineering &		Engineering - Chemical Engineering -		
wind turbine blades	1501 1502	Chemistry and Technology	2	Technology	219 249	Petroleum	36	Engineering
	1000	Onemistry and reciniology		recimology	213 243	i cuoteum	30	Engineening
Fabrication,			1					1
characterization and			1					
optical properties of			1					
poly(p-phenylenediamine-			1	Engineering &				Physical
co-o-aminophenol)			1	Technology				Sciences
the state of the s	10001 0500	General Chemistry General Materials Science	2 4	Natural Sciences	409 433	Chemistry Materials Science	37 36	Engineering
nanostructure thin film	1600 2500	I General Chemistry i General Materials Science						

Performance Enhancement of Solar Still Unit Using v-Corrugated Basin, Internal Reflecting Mirror, Flat-Plate Solar Collector and Nanofluids	1701 1705 1708 2102 2105 2301 2308 3305	Computer Science (miscellaneous) Computer Networks and Communications Hardware and Architecture Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Environmental Science (miscellaneous) Management, Monitoring, Policy and Law Geography, Planning and Development	2 3	Engineering & Technology Social Sciences & Management	425 424 212 221 249	Geography Environmental Sciences Computer Science & Information Systems Engineering - Electrical & Electronic Engineering - Petroleum	38 37 40 36	Computer Science Physical Sciences Social Sciences Engineering
Surface modification of Co3O4 nanostructures using wide range of natural compounds from rotten apple juice for the efficient oxygen evolution reaction	2102 2103 2105 3104	Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment Condensed Matter Physics	2 4	Engineering & Technology Natural Sciences	249 439 221	Engineering - Petroleum Physics & Astronomy Engineering - Electrical & Electronic	36 37	Engineering Physical Sciences
Experimental study on the motion response of an integrated floating desalination plant and offshore wind turbine on a non-ship platform	2212 2305	Ocean Engineering Environmental Engineering	4 2	Natural Sciences Engineering & Technology	249 416 424 247 451	Engineering - Petroleum Earth & Marine Sciences Environmental Sciences Engineering - Mineral & Mining Geophysics	36 37	Engineering Physical Sciences
Wind-water experimental analysis of small sc- darrieus turbine: An approach for energy production in urban systems	1701 1705 1708 2102 2105 2215 2301 2308 3305	Computer Science (miscellaneous) Computer Networks and Communications Hardware and Architecture Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Building and Construction Environmental Science (miscellaneous) Management, Monitoring, Policy and Law Geography, Planning and Development	2 3	Engineering & Technology Social Sciences & Management	106 425 221 212 424 220 249	Architecture Geography Engineering - Electrical & Electronic Computer Science & Information Systems Environmental Sciences Engineering - Civil & Structural Engineering - Petroleum	37 38 36 40	Physical Sciences Computer Science Engineering Social Sciences
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	1501 1508 2310 2311	Chemical Engineering (miscellaneous) Process Chemistry and Technology Pollution Waste Management and Disposal	3 2	Social Sciences & Management Engineering & Technology	249 424 219	Engineering - Petroleum Environmental Sciences Engineering - Chemical	36 37	Engineering Physical Sciences
A demand side response scheme for enhancing power system security in the presence of wind power	2102 2208	Energy Engineering and Power Technology Electrical and Electronic Engineering	2	Engineering & Technology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering
A study of 2H and 1T phases of Janus monolayers and their van der Waals heterostructure with black phosphorene for optoelectronic and thermoelectric applications	1604 1606 2503 2504 2505 3104	Inorganic Chemistry Physical and Theoretical Chemistry Ceramics and Composites Electronic, Optical and Magnetic Materials Materials Chemistry Condensed Matter Physics	4 2	Natural Sciences Engineering & Technology	439 409 249 433	Physics & Astronomy Chemistry Engineering - Petroleum Materials Science	37 36	Physical Sciences Engineering
Fabrication and characterization of polypyrrole/multi-walled carbon nanotubes thin films using thermal evaporation	1600 2507	General Chemistry Polymers and Plastics	4	Natural Sciences	409 433	Chemistry Materials Science	36 37	Engineering Physical Sciences
Optoelectronic and photo response performance of n-tris phenylpyridinato iridium/p-Si heterojunction device for photovoltaic applications	3100	General Physics and Astronomy	4	Natural Sciences	439	Physics & Astronomy	37	Physical Sciences
Study the Effect of Winglet Height Length on the Aerodynamic Performance of Horizontal Axis Wind Turbines Using	2101 2102 2103 2105 2201 2208 2606	Energy (miscellaneous) Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment Engineering (miscellaneous) Electrical and Electronic Engineering Control and Optimization	2 4	Engineering & Technology Natural Sciences	249 221 431	Engineering - Petroleum Engineering - Electrical & Electronic Mathematics	37 36	Physical Sciences Engineering

	1					1		
Computational								
Investigation								
Maximum Power Extraction from Polymer Electrolyte Membrane (PEM) Fuel Cell Based on Deterministic Particle Swarm Optimization Algorithm	1702 1705 1708 1802 2208 3107	Artificial Intelligence Computer Networks and Communications Hardware and Architecture Information Systems and Management Electrical and Electronic Engineering Atomic and Molecular Physics, and Optics	4 2	Natural Sciences Engineering & Technology	249 439 212 213 221	Engineering - Petroleum Physics & Astronomy Computer Science & Information Systems Data Science Engineering - Electrical & Electronic	36 37 38	Engineering Physical Sciences Computer Science
Design and synthesis of								
high-performance polymer blend solar cell	2502 2503 2506 2508	Biomaterials Ceramics and Composites Metals and Alloys Surfaces, Coatings and Films		1 Natural Sciences	433	Materials Science	36	Engineering
A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant	2101 2105 2301 3305	Energy (miscellaneous) Renewable Energy, Sustainability and the Environment Environmental Science (miscellaneous) Geography, Planning and Development	2 3	Engineering & Technology Social Sciences & Management	221 424 425 249	Engineering - Electrical & Electronic Environmental Sciences Geography Engineering - Petroleum	37 36 40	Physical Sciences Engineering Social Sciences
Synthesis, structural and optical characterizations of ZrO2-bromothymol blue nanocomposite thin-film [ZrO2+BTB]C and its application: experimental and TDD-DFT computations	2208 2504 3104 3107	Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Condensed Matter Physics Atomic and Molecular Physics, and Optics	2 4	Engineering & Technology Natural Sciences	439 249 221 433	Physics & Astronomy Engineering - Petroleum Engineering - Electrical & Electronic Materials Science	36 37	Engineering Physical Sciences
Two Bio-inspired MPPT Algorithms to Harvest the Maximum Power from Partially Shaded PV Arrays	1702 1705 1708 1802 2208 3107	Artificial Intelligence Computer Networks and Communications Hardware and Architecture Information Systems and Management Electrical and Electronic Engineering Atomic and Molecular Physics, and Optics	4 2	Natural Sciences Engineering & Technology	249 212 439 221 213	Engineering - Petroleum Computer Science & Information Systems Physics & Astronomy Engineering - Electrical & Electronic Data Science	36 37 38	Engineering Physical Sciences Computer Science
Forecasting wind power based on an improved al- Biruni Earth radius metaheuristic optimization algorithm	2002 2102 2103 2105	Economics and Econometrics Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment	2 3	Engineering & Technology Social Sciences & Management	317 221 249	Economics & Econometrics Engineering - Electrical & Electronic Engineering - Petroleum	35 36	Business and Economics Engineering
Forecasting Methods in Various Applications Using Algorithm of Estimation Regression Models and Converting Data Sets into Markov Model Waste Cooking Oil Management in Egypt: Production of Biodiesel- Development of Rapid Test Method	1000 1700	Multidisciplinary General Computer Science General Physics and Astronomy		Engineering & Technology	212	Computer Science & Information Systems Physics & Astronomy	38	Computer Science Physical Sciences
Experimental investigation of a nano coating efficiency for dust mitigation on photovoltaic panels in harsh climatic conditions	1000	Multidisciplinary	-	- radial sciences	400		-	-
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	1500 1600	General Chemical Engineering General Chemistry	2 4	Engineering & Technology Natural Sciences	219 409	Engineering - Chemical Chemistry	37 36	Physical Sciences Engineering
Probabilistic Assessment of Available Transfer Capability Incorporating	1700 2200 2500	General Computer Science General Engineering General Materials Science	:	Engineering & Technology	212 433	Computer Science & Information Systems Materials Science	38 36	Computer Science Engineering

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Simulating mitigation							1	
scenarios for natural and				Natural				
artificial inlets closure				Sciences Life				Life Sciences
through validated	1103 1104	Animal Science and Zoology Aquatic Science Ecology, Evolution,		Sciences &		Agriculture & Forestry Environmental		Physical
morphodynamic models	1105 2303	Behavior and Systematics Ecology	4 5	Medicine	502 424	Sciences	32 37	Sciences
A novel renewable energy		, , , , ,			·			
powered zero liquid	1500 2201	General Chemical Engineering Engineering (miscellaneous)		Engineering &				Engineering
discharge scheme for RO	2301 2304	Environmental Science (miscellaneous) Environmental Chemistry		Technology	424 219	Environmental Sciences Engineering -		Physical
desalination applications	2305	Environmental Engineering	2 4	Natural Sciences	249	Chemical Engineering - Petroleum	36 37	Sciences
Graphical analysis and			<u>'</u>					
revamping of crude				Natural				
distillation units under	1500 2201	General Chemical Engineering Engineering (miscellaneous)		Sciences				Engineering
variable operational	2301 2304	Environmental Science (miscellaneous) Environmental Chemistry		Engineering &	424 249	Environmental Sciences Engineering -		Physical
scenarios	2305	Environmental Engineering	4 2	Technology	219	Petroleum Engineering - Chemical	36 37	Sciences
Technical and economic								
feasibility of the first wind								
farm on the coast of				Engineering &				
Mediterranean Sea	2200	General Engineering	2	Technology	-	-	36	Engineering
Comprehensive								
Optimisation of Biodiesel	2101 2102	Energy (miscellaneous) Energy Engineering and Power Technology	1	Natural		Mathematics Engineering -	I	
Production Conditions via	2103 2105	Fuel Technology Renewable Energy, Sustainability and the	1	Sciences	431 249	Petroleum Engineering - Electrical &	1	Engineering
Supercritical Methanolysis	2201 2208	Environment Engineering (miscellaneous) Electrical and Electronic		Engineering &	221 106	Electronic Architecture Engineering -		Physical
of Waste Cooking Oil	2215 2606	Engineering Building and Construction Control and Optimization	4 2	Technology	220	Civil & Structural	36 37	Sciences
Impact of indium content								
on the thermoelectric				Natural				
power, dark conductivity,				Sciences				Physical
and photoconductivity of				Engineering &				Sciences
Ge-As-Te thin films	1600 2500	General Chemistry General Materials Science	4 2	Technology	433 409	Materials Science Chemistry	37 36	Engineering
A fuzzy-predictive current								
control with real-time								
hardware for PEM fuel cell								
systems	1000	Multidisciplinary	-	-	-	-	-	-
	2100 2102	General Energy Energy Engineering and Power Technology Fuel		Social Sciences		Engineering - Mechanical		
Hybrid compressed air	2103 2105	Technology Renewable Energy, Sustainability and the Environment		& Management		Environmental Sciences		
energy storage system and	2205 2208	Civil and Structural Engineering Electrical and Electronic Engineering		Natural	222 424	Mathematics Engineering - Civil &		
control strategy for a	2209 2210	Industrial and Manufacturing Engineering Mechanical Engineering		Sciences	431 220	Structural Architecture Engineering -		Physical
partially floating	2215 2308	Building and Construction Management, Monitoring, Policy and Law		Engineering &	106 249	Petroleum Engineering - Electrical &		Sciences
photovoltaic plant	2310 2611	Pollution Modeling and Simulation	3 4 2	Technology	221	Electronic	37 36	Engineering
Real-time V2G simulator								
for grid system frequency								
and voltage regulation with								
fault ride-through		Energy Engineering and Power Technology Electrical and Electronic		Engineering &		Engineering - Electrical & Electronic		
capabilities	2102 2208	Engineering	2	Technology	221 249	Engineering - Petroleum	36	Engineering
Environmentally-driven								
design of a floating								
desalination platform			1				1	
(Case study: Reverse			1				1	
osmosis floating	21021 21021	Energy Engineering and Dawer Technology Street Technology	1	Engineering		Engineering Detrol Fasians in	I	
desalination platform of	2102 2103 2105	Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment	2	Engineering & Technology	249 221	Engineering - Petroleum Engineering - Electrical & Electronic	36	Enginooring
ras gharib, Egypt) Advanced Maximum	2100	nenewable Energy, Sustainability and the Environment		Engineering &	243 221	Electrical & Electronic	36	Engineering
Adhesion Tracking				Technology		Engineering - Electrical & Electronic	1	Social
Strategies in Railway	2102 2203	Energy Engineering and Power Technology Automotive Engineering	1	Social Sciences	221 222	Engineering - Electrical & Electronic Engineering - Mechanical Engineering	1	Sciences
Traction Drives	2208 3313	Electrical and Electronic Engineering Transportation	2 3	& Management	249 106	- Petroleum Architecture	40 36	Engineering
Offshore wind power	2200 3313	Etoothout and Etootionic Engineering Italisportation	413	a management	240 100	1 Caroleum Architecture	40130	Lugineeiiig
integration to support			1				1	
weak grid voltage for			I			1	I	
industrial loads using VSC-			I			Computer Science & Information	I	Engineering
HVDC transmission			I	Engineering &	212 221	Systems Engineering - Electrical &	I	Computer
system	1700 2208	General Computer Science Electrical and Electronic Engineering	2		249	Electronic Engineering - Petroleum	36 38	Science
0,000.11	1,00 2200	Constant Configuration Colonical Electrical and Electronic Engineering		. ссиносьу		Lioutionio Engineering envicum	30 00	SSICITOR

Power performance	2101 2102	Energy (miscellaneous) Energy Engineering and Power Technology			I	1		
assessment of vertical-	2103 2105	Fuel Technology Renewable Energy, Sustainability and the		Engineering &				Engineering
axis tidal turbines using an	2201 2208	Environment Engineering (miscellaneous) Electrical and Electronic		Technology	431 221	Mathematics Engineering - Electrical		Physical
experimental test rig	2606	Engineering Control and Optimization	2 4	Natural Sciences	249	& Electronic Engineering - Petroleum	36 37	Sciences
A Modified Phase Shift	2000	Engineering Control and Optimization	2 4	Ivaturat Sciences	240	& Electronic Engineering - Fetroleum	30 37	ociences
Control of the Dual Active								
Bridge-Based Modular								
Power Electronic						0		
Transformer to Minimize						Computer Science & Information		
the LVdc Side Voltage						Systems Engineering - Electrical &		Computer
Ripples under Unbalanced	1700 2200	General Computer Science General Engineering Electrical and		Engineering &	212 221	Electronic Materials Science		Science
Load Conditions	2208 2500	Electronic Engineering General Materials Science	2	Technology	433 249	Engineering - Petroleum	38 36	Engineering
Gamma radiation induced								
variation in structure								
formation and optical								
characteristics of								
evaporated tris [2-								
phenylpyridinato-								
C2,N]iridium(III) films							I	
prepared by electron beam							1	
evaporator in photovoltaic	2610 3104	Mathematical Physics Condensed Matter Physics Atomic and					I	Physical
applications	3107	Molecular Physics, and Optics		Natural Sciences	439	Physics & Astronomy	37	Sciences
The Validation and	-	X X F		1	1			
Implementation of the							1	
Second-Order Adaptive							1	
Fuzzy Logic Controller of a						Engineering - Petroleum Engineering -		
Double-Fed Induction	1705 1708	Computer Networks and Communications Hardware and				Electrical & Electronic Data Science		Engineering
				F	0401.0041			
Generator in an Oscillating	1711 2207	Architecture Signal Processing Control and Systems Engineering		Engineering &	249 221	Computer Science & Information	201.20	Computer
Water Column	2208	Electrical and Electronic Engineering	2	Technology	213 212	Systems	36 38	Science
Life cycle assessments of								
biofuel production from								
beach-cast seaweed by		Energy Engineering and Power Technology Fuel Technology Nuclear						
pyrolysis and	2102 2103	Energy and Engineering Renewable Energy, Sustainability and the		Engineering &		Engineering - Petroleum Engineering -		
hydrothermal liquefaction	2104 2105	Environment	2	Technology	249 221	Electrical & Electronic	36	Engineering
Tunable electronic and								
magnetic properties of								
single layer CdS via Li				Engineering &				Engineering
substitutional doping: A	1600 2500	General Chemistry General Materials Science Condensed Matter		Technology	409 439	Chemistry Physics & Astronomy		Physical
first-principle study	3104	Physics	2 4	Natural Sciences	433	Materials Science	36 37	Sciences
Efficiency of utilizing								
building information				Arts &		Engineering - Petroleum Architecture		
modeling tools for	2205 2211			Humanities	249 106	Engineering - Civil & Structural	1	Engineering
examining smart materials	2213 2215	Civil and Structural Engineering Mechanics of Materials Safety, Risk,		Engineering &	220 433	Materials Science Engineering -		Arts and
behavior in a hot climate	2216	Reliability and Quality Building and Construction Architecture	1 2	Technology	222	Mechanical	36 33	Humanities
Electronic, optical and			<u> </u>	1				
magnetic characteristics	2610 3104	Mathematical Physics Condensed Matter Physics Atomic and					1	Physical
of v doped BeS	3107	Molecular Physics, and Optics	4	Natural Sciences	439	Physics & Astronomy	37	Sciences
Numerical Investigations					1	,,	j.,	
on Latent Heat Storage							1	
Unit using Phase Change							1	Physical
Material	3100	General Physics and Astronomy] .	Natural Sciences	439	Physics & Astronomy	37	Sciences
	3100	Ocheraci nysics and Astronomy	 	ivaturat Sciences	439	i nysics a astronomy	3/	Sciences
Distortion management of				Network			1	
the pulse without and in				Natural			1	
the presence of Compton				Sciences	1		1	Engineering
scattering in a three level				Engineering &	439 219	Physics & Astronomy Engineering -	1	Physical
atomic configuration	1507 3100	Fluid Flow and Transfer Processes General Physics and Astronomy	4 2	Technology	249	Chemical Engineering - Petroleum	36 37	Sciences
High-Performance Glazing								
for Enhancing Sustainable								
				Engineering 9	1	I	1	Arts and
Environment in Arid				Engineering &				Ai to ai iu
•	2205 2215	Civil and Structural Engineering Building and Construction		Technology Arts		Engineering - Civil & Structural		Humanities

Proposed hybrid power system for short route ferries	1508 2212 2312 3313	Process Chemistry and Technology Ocean Engineering Water Science and Technology Transportation	2 4 3		Engineering & Technology Natural Sciences Social Sciences & Management	247 106 249 219 416 451 424	Engineering - Mineral & Mining Architecture Engineering - Petroleum Engineering - Chemical Earth & Marine Sciences Geophysics Environmental Sciences	36 40 37	Engineering Social Sciences Physical Sciences
Maximum Power Point Tracking for Grid-tied PV System Using Adaptive Neuro-Fuzzy Inference System	2102 2208 2210	Energy Engineering and Power Technology Electrical and Electronic Engineering Mechanical Engineering		2	Engineering & Technology	221 222 249	Engineering - Electrical & Electronic Engineering - Mechanical Engineering - Petroleum	36	Engineering
Peridynamic Modelling of Propagation of Cracks in Photovoltaic Panels	2205 2210 2211 2500	Civil and Structural Engineering Mechanical Engineering Mechanics of Materials General Materials Science		2	Engineering & Technology	433 222 220	Materials Science Engineering - Mechanical Engineering - Civil & Structural	36	Engineering
A novel EPSO algorithm based on shifted sigmoid function parameters for maximizing the energy yield from photovoltaic arrays: An experimental	2220	Constal Engineering		2	Engineering &			26	Engineering
investigation Enhancement of the	2200	General Engineering		2	Technology	-	-	36	Engineering
performance of wireless sensor networks using the multihop multiantenna power beacon path selection method in	1000	Multi-fin-in-linear							
intelligent structures	1000	Multidisciplinary	-	-	-	-	- Engineering - Petroleum Computer	-	- Computer
Switching schemes of the bidirectional buck-boost converter for energy storage system	1702 2102 2202 2203 2208 2210 2606 2611	Artificial Intelligence Energy Engineering and Power Technology Aerospace Engineering Automotive Engineering Electrical and Electronic Engineering Mechanical Engineering Control and Optimization Modeling and Simulation	4 2		Natural Sciences Engineering & Technology	249 212 213 221 222 431	Science & Information Systems Data Science & Information Systems Data Science Engineering - Electrical & Electronic Engineering - Mechanical Mathematics	38 36 37	Science Engineering Physical Sciences
Optimal performance of actuator disc models for horizontal-axis turbines	2002 2102 2103 2105	Economics and Econometrics Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment	3 2		Social Sciences & Management Engineering & Technology	221 249 317	Engineering - Electrical & Electronic Engineering - Petroleum Economics & Econometrics	36 35	Engineering Business and Economics
Techno-economic assessment of vertical axis wind turbine driven RO desalination with compressed air energy storage for remote communities	1500 1600 2210 2312 2500	General Chemical Engineering General Chemistry Mechanical Engineering Water Science and Technology General Materials Science	4 2		Natural Sciences Engineering & Technology	433 222 219 424 409	Materials Science Engineering - Mechanical Engineering - Chemical Environmental Sciences Chemistry	37 36	Physical Sciences Engineering
Highly flexible wind turbine blades utilizing corrugated surface hinges	2505 2508 3110	Materials Chemistry Surfaces, Coatings and Films Surfaces and Interfaces		4	Natural Sciences	433 439	Materials Science Physics & Astronomy	36 37	Engineering Physical Sciences
Electrical properties of ternary Cux(Ge3Se7)100-x thin films	2208 2504 3107	Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Atomic and Molecular Physics, and Optics	2 4		Engineering & Technology Natural Sciences	439 249 433 221	Physics & Astronomy Engineering - Petroleum Materials Science Engineering - Electrical & Electronic	37 36	Physical Sciences Engineering
Enhanced biodiesel production with improved oxidation stability by water addition to supercritical methanolysis	1500	General Chemical Engineering		2	Engineering & Technology	219	Engineering Chamical	36	Engineering
Mechanical properties and band gap estimations of	2208 2504	Electrical and Electronic Engineering Electronic, Optical and Magnetic		4	Natural Sciences Engineering &	439 249	Engineering - Chemical Physics & Astronomy Engineering - Petroleum Materials Science	30	Engineering Engineering Physical
stoichiometric GeSe2- As2Se3 glasses	3107	Materials Atomic and Molecular Physics, and Optics	4 2	- 1	Technology	433 221	Engineering - Electrical & Electronic	36 37	Sciences

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Speed of Ras-Gharib Using									
Time Series Analysis				_					
Synthesis and evaluation					Engineering &				
of core–shell					Technology				
nanocomposites for the					Natural				
photodegradation of liner					Sciences Life		Engineering - Petroleum		Physical
alkyl-benzene sulfonate	1100 2304	General Agricultural and Biological Sciences Environmental			Sciences &	249 424	Environmental Sciences Agriculture &		Sciences Life
water contaminations	2305	Chemistry Environmental Engineering	2 4 5		Medicine	502	Forestry	37 32	Sciences
Techno-economic	2100 2102	General Energy Energy Engineering and Power Technology Fuel							
assessment of a novel	2103 2105	Technology Renewable Energy, Sustainability and the Environment			Social Sciences		Architecture Engineering - Electrical &		
wind-powered RO system	2205 2208	Civil and Structural Engineering Electrical and Electronic Engineering			& Management	106 221	Electronic Engineering - Petroleum		
with a compressed air	2209 2210	Industrial and Manufacturing Engineering Mechanical Engineering			Engineering &	249 220	Engineering - Civil & Structural		Engineering
energy storage for water	2215 2308	Building and Construction Management, Monitoring, Policy and Law			Technology	431 424	Mathematics Environmental		Physical
desalination	2310 2611	Pollution Modeling and Simulation	3 2 4		Natural Sciences	222	Sciences Engineering - Mechanical	36 37	Sciences
	2310 2011	Pollution Modeling and Simulation	3 2 4	_	Natural Sciences	222	Sciences Engineering - Mechanicat	30 37	Sciences
Experimental Validation of									
Second-Order Adaptive									
Fuzzy Logic Controller for									Computer
Grid-Connected DFIG	1700 2200	General Computer Science General Engineering General Materials			Engineering &		Materials Science Computer Science		Science
Wind Power Plant	2500	Science		2	Technology	433 212	& Information Systems	38 36	Engineering
Polymeric solar cell with									
18.06% efficiency based	1604 1605	Inorganic Chemistry Organic Chemistry Physical and Theoretical			Natural		Physics & Astronomy Materials		
on poly(para-	1606 1607	Chemistry Spectroscopy Electrical and Electronic Engineering			Sciences	439 433	Science Chemistry Engineering -		Physical
nitroaniline)/TiO2	2208 2504	Electronic, Optical and Magnetic Materials Atomic and Molecular			Engineering &	409 249	Petroleum Engineering - Electrical &		Sciences
composites	3107	Physics, and Optics	4 2		Technology	221	Electronic	37 36	Engineering
	3107	1 hysics, and Optics	412	_	recimotogy	221	Etectionic	37 30	Liigiiieeiiiig
Assessment of Onshore							Fasiannias Machanias II Fasiannias		
Renewable Energy Power					E	00010471	Engineering - Mechanical Engineering		
Supply for Ship's					Engineering &	222 247	- Mineral & Mining Engineering -		
Emissions Reduction in					Technology	249 451	Petroleum Geophysics Earth &		
Port Said West Port	2210 2212	Mechanical Engineering Ocean Engineering	2 4		Natural Sciences	416	Marine Sciences	36	Engineering
A novel hybrid compact									
system of photovoltaic									
solar still air gap					Engineering &				
membrane distillation for					Technology		Engineering - Mineral & Mining		
the simultaneous					Social Sciences	247 249	Engineering - Petroleum		Physical
production of water and	2212 2310				& Management	424 416	Environmental Sciences Earth &		Sciences
energy	2312	Ocean Engineering Pollution Water Science and Technology	2 3 4		Natural Sciences	451	Marine Sciences Geophysics	37 36	Engineering
Evaluating BIPV Façades in			-1-1-	_					8
a Building Envelope in Hot									
					Engineering 9				Engineering
Districts for Enhancing	00051 00451	0.7. 10. 1. 15. 2			Engineering &		A 1 1. F		Engineering
Sustainable Ranking: A	2205 2215	Civil and Structural Engineering Building and Construction			Technology Arts		Architecture Engineering - Civil &		Arts and
Saudi Arabian Perspective	2216	Architecture	2 1	_	& Humanities	106 220	Structural	36 33	Humanities
AN APPROXIMATION OF									
USING VERTICAL-AXIS									
TIDAL TURBINE FOR									
WATER DESALINATION IN									
THE SUEZ CANAL		Energy Engineering and Power Technology Renewable Energy,			Engineering &		Engineering - Petroleum Engineering -		
WATERWAY	2102 2105	Sustainability and the Environment		2	Technology	249 221	Electrical & Electronic	36	Engineering
The Effect of Novel									
Longitudinal Branched									
Fins on the Performance of									
the Latent Heat									
Accumulator based on									
Shell-and-Tube		Energy Engineering and Power Technology Renewable Energy,			Engineering &		Engineering - Petroleum Engineering -		
	21021 2105	Sustainability and the Environment		2		2401 221	Electrical & Electronic	36	Engineering
Configuration Design and	2102 2105	Sustamability and the Environment		_	Technology	249 221	Electrical & Electrofile	30	Engineering
Design and									
implementation of voltage							l		
source converters in HVDC		Energy Engineering and Power Technology Electrical and Electronic			Engineering &		Engineering - Petroleum Engineering -		
systems	2102 2208	Engineering		2	Technology	249 221	Electrical & Electronic	36	Engineering
				T					Physical
Enhancing the		Artificial Intelligence Computer Networks and Communications		J	Natural		Data Science Physics & Astronomy		Sciences
Performance of the Output	1702 1705	Hardware and Architecture Information Systems and Management		l	Sciences	213 439	Engineering - Petroleum Engineering -		Computer
Active Power of DFIG-	1708 1802	Electrical and Electronic Engineering Atomic and Molecular Physics,			Engineering &	249 221	Electrical & Electronic Computer	37 38	Science
Based Wind Turbines	2208 3107	and Optics	4 2	J	Technology	212	Science & Information Systems	36	Engineering
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Using Auto Disturbance							Г	1	1
Rejection Control									
Increased efficiency of hydrokinetic turbines through the use of an obstacle on the channel	2040 2005		41.0		Natural Sciences Engineering &	451 424 247 249	Geophysics Environmental Sciences Engineering - Mineral & Mining Engineering - Petroleum Earth &	271.00	Physical Sciences
bottom	2212 2305	Ocean Engineering Environmental Engineering	4 2		Technology	416	Marine Sciences	37 36	Engineering
Neural Fuzzy Control of the Indoor Air Quality Onboard a RO-RO Ship Garage	1702 1703 1710 1712 2207 2614	Artificial Intelligence Computational Theory and Mathematics Information Systems Software Control and Systems Engineering Theoretical Computer Science		2	Engineering & Technology	213 212	Data Science Computer Science & Information Systems	38 37 36	Computer Science Physical Sciences Engineering
Investigating the Kinetic Parameters in the Thermal Analysis of Jojoba Cake	1600 2500 2501	General Chemistry General Materials Science Materials Science (miscellaneous)	2 4		Engineering & Technology Natural Sciences	433 409	Materials Science Chemistry	36 37	Engineering Physical Sciences
Synthesis, Structural, Time-Dependent Density- Functional Theory, Thermal Annealing and Optical Properties for Doped Polymer Nanostructured Thin Films as Optoelectronic Devices	1500 2505 2507	General Chemical Engineering Materials Chemistry Polymers and Plastics	2 4		Engineering & Technology Natural Sciences	433 219	Materials Science Engineering - Chemical	36	Engineering
Design and Three- Dimensional Simulation of a Solar Dish-Stirling Engine	1507	Fluid Flow and Transfer Processes		2	Engineering & Technology	249 219	Engineering - Petroleum Engineering - Chemical	36	Engineering
Experimental and numerical investigation of a three-blade horizontal axis hydrokinetic water turbine (HAHWT) in high blockage conditions	2105	Renewable Energy, Sustainability and the Environment		2	Engineering & Technology	221	Engineering - Electrical & Electronic	36	Engineering
PVSails: Harnessing Innovation With Vertical Bifacial PV Modules in Floating Photovoltaic Systems	2105 2208 2504 3104	Renewable Energy, Sustainability and the Environment Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Condensed Matter Physics	2 4		Engineering & Technology Natural Sciences	249 439 433 221	Engineering - Petroleum Physics & Astronomy Materials Science Engineering - Electrical & Electronic	36 37	Engineering Physical Sciences
Experimental and Simulation Study of Solar- Powered Air-Gap Membrane Distillation Technology for Water Desalination	1501 1506 1508	Chemical Engineering (miscellaneous) Filtration and Separation Process Chemistry and Technology		2	Engineering & Technology	249 219	Engineering - Petroleum Engineering - Chemical	36	Engineering
A Centralized Protection Scheme for Microgrids with Artificial Neural Network-Based on Fault Detection and Location	2102 2105 2208 2504 2606	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Control and Optimization	4 2		Natural Sciences Engineering & Technology	249 433 431 221	Engineering - Petroleum Materials Science Mathematics Engineering - Electrical & Electronic	37 36	Physical Sciences Engineering
Critical Assessment of Current State of the Art in Wearable Sensor Nodes with Energy Harvesting Systems for Healthcare Applications	1705 1711 2207	Computer Networks and Communications Signal Processing Control and Systems Engineering		2	Engineering & Technology	213 212	Data Science Computer Science & Information Systems	36 38	Engineering Computer Science
A Comparative Study of Two Metaheuristic MPPT Techniques to Extract Maximum Power from PV Array under Different Partial Shading Patterns	2102 2105 2208 2606 3313	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Electrical and Electronic Engineering Control and Optimization Transportation	4 2 3		Natural Sciences Engineering & Technology Social Sciences & Management	249 221 431 106	Engineering - Petroleum Engineering - Electrical & Electronic Mathematics Architecture	36 40 37	Engineering Social Sciences Physical Sciences

		Energy Engineering and Power Technology Electrical and Electronic		Engineering &		Engineering - Electrical & Electronic		
Vsc-hvdc control system	2102 2208	Engineering and Fower reclinology Electrical and Electronic	2	Technology	221 249	Engineering - Petroleum	36	Engineering
Fuzzy Logic-Pitch Angle	2102 2103	Energy Engineering and Power Technology Fuel Technology		recimotogy	221 240	Engineering - Mechanical Engineering	- 00	Linginiceting
Controller for SCIG based	2105 2208	Renewable Energy, Sustainability and the Environment Electrical and		Engineering &	222 249	- Petroleum Engineering - Electrical &		
Wind Turbine	2210	Electronic Engineering Mechanical Engineering	2	Technology	221	Electronic	36	Engineering
An Integrated Approach for	-							0 10 0
Demand Response and								
Wind Curtailment								
Management in		Energy Engineering and Power Technology Renewable Energy,		Engineering &		Engineering - Petroleum Engineering -		
Distribution Systems	2102 2105	Sustainability and the Environment	2	Technology	249 221	Electrical & Electronic	36	Engineering
Aeroelastic modelling of	,				<u> </u>			
tail fins for small wind								Physical
turbines	3100	General Physics and Astronomy	4	Natural Sciences	439	Physics & Astronomy	37	Sciences
DFT Study of Lead-Free								
Mixed-Halide Materials				Natural				
Cs2X2Y2 (X, Y = F, Cl, Br, I)				Sciences		Engineering - Petroleum Engineering -		Physical
for Optoelectronic	2208 2504	Electrical and Electronic Engineering Electronic, Optical and Magnetic		Engineering &	249 221	Electrical & Electronic Materials		Sciences
Applications	2505 3104	Materials Materials Chemistry Condensed Matter Physics	4 2	Technology	433 439	Science Physics & Astronomy	37 36	Engineering
Hybrid MPPT-based								
predictive speed control								
model for variable speed							1	1
PMSG wind energy							1	1
conversion systems	1000	Multidisciplinary	-	-	-	-	-	-
				Life Sciences &				
				Medicine				Medical and
Production and				Natural				Health
characterization of bio-oil	1606 2505			Sciences	249 439	Engineering - Petroleum Physics &		Physical
from camelthorn plant	2507 3104	Physical and Theoretical Chemistry Materials Chemistry Polymers		Engineering &	433 409	Astronomy Materials Science	34 37	Sciences
using slow pyrolysis	3500	and Plastics Condensed Matter Physics General Dentistry	5 4 2	Technology	514	Chemistry Dentistry	36	Engineering
Performance Assessment								Computer
of Artificial Neural				Natural		Engineering - Electrical & Electronic		Science
Networks-Based MPPT	1702 2102	Artificial Intelligence Energy Engineering and Power Technology		Sciences	221 213	Data Science Mathematics		Physical
Technique for Photovoltaic	2105 2208 2606	Renewable Energy, Sustainability and the Environment Electrical and	4 2	Engineering &	431 212 249	Computer Science & Information	38 37 36	Sciences
Systems Ontimal Energy	2000	Electronic Engineering Control and Optimization	4 2	Technology	249	Systems Engineering - Petroleum	36	Engineering
Optimal Energy Management of VPP-						Engineering - Mechanical Engineering		Physical
Based Energy Storage				Natural		- Petroleum Data Science Computer		Sciences
Considering Renewable	1702 2102	Artificial Intelligence Energy Engineering and Power Technology		Sciences	222 249	Science & Information Systems		Engineering
Energy Integration and EV	2208 2210	Electrical and Electronic Engineering Mechanical Engineering Safety,		Engineering &	213 212	Engineering - Electrical & Electronic	37 36	Computer
Charging	2213 2606	Risk, Reliability and Quality Control and Optimization	4 2	Technology	221 431	Mathematics	38	Science
Surface plasmon polariton	2210 2000	mong rioussary and Quality Control and Optimization	112	. солиотову	1 221 701	- identification	- 55	Solelide
at the interface of							I	1
dielectric and graphene				Engineering &			1	Physical
medium using the Doppler	2209 3104	Industrial and Manufacturing Engineering Condensed Matter Physics		Technology		Physics & Astronomy Engineering -	I	Sciences
broadening effect	3105 3107	Instrumentation Atomic and Molecular Physics, and Optics	2 4	Natural Sciences	439 222	Mechanical	37 36	Engineering
Geometrically nonlinear			<u> </u>		<u> </u>	Earth & Marine Sciences Engineering -	<u> </u>	
transient analysis of						Civil & Structural Engineering -	I	1
Timoshenko tapered					416 220	Petroleum Mathematics	I	1
beam-column element	2202 2203				249 431	Geophysics Engineering -	I	1
using a finite element	2205 2210	Aerospace Engineering Automotive Engineering Civil and Structural		Engineering &	451 222	Mechanical Materials Science	1	Physical
formulation based on the	2211 2212	Engineering Mechanical Engineering Mechanics of Materials Ocean		Technology	433 439	Physics & Astronomy Engineering -	I	Sciences
exact shape functions	2600 3104	Engineering General Mathematics Condensed Matter Physics	2 4	Natural Sciences	247	Mineral & Mining	37 36	Engineering
Efficient offloading and								
task scheduling in internet						Computer Science & Information	1	Computer
of things-cloud-fog				Engineering &	212 221	Systems Engineering - Electrical &	I	Science
environment	1700 2208	General Computer Science Electrical and Electronic Engineering	2	Technology	249	Electronic Engineering - Petroleum	38 36	Engineering
First principle study of er,				Engineering &				1
co-doped fe and yb of				Technology Life			1	Engineering
nabif6; a promising	1315 1606	Structural Biology Physical and Theoretical Chemistry Biomedical		Sciences &	249 439	Engineering - Petroleum Physics &		Life Sciences
materials for optoelectronic and	2204 2500 3104 3107	Engineering General Materials Science Condensed Matter Physics Atomic and Molecular Physics, and Optics	2 5 4	Medicine Natural Sciences	507 433 409	Astronomy Biological Sciences Materials Science Chemistry	36 32 37	Physical Sciences

	ı								
transport properties;								'	
probed by dft									
Hybrid concentrator				1	Life Sciences &		['	
photovoltaic/membrane					Medicine Social		['	
distillation system for				1	Sciences &		['	Life Sciences
potable water production				1	Management		Engineering - Petroleum Engineering -	'	Engineering
using new fabricated	1305 1508	Biotechnology Process Chemistry and Technology Safety, Risk,		1	Engineering &	249 219	Chemical Biological Sciences	32 36	Physical
PS/ZIF_L membrane	2213 2311	Reliability and Quality Waste Management and Disposal	5 3 2	1	Technology	507 424	Environmental Sciences	37	Sciences
Oleaginous fungi as a			+			<u> </u>		 	
sustainable source for							['	
biodiesel production:				1			['	
Current and future	1101 2402	Agricultural and Biological Sciences (miscellaneous) Applied		1	Life Sciences &		Biological Sciences Agriculture &	'	
	2403 2404			5	Medicine	5071 500		32	Life Sciences
prospect	2403 2404	Microbiology and Biotechnology Immunology Microbiology		5	Medicine	507 502	Forestry	32	Life Sciences
Optimal planning for							['	
sustainable and cost-							['	
effective power generation		Energy Engineering and Power Technology Renewable Energy,			Engineering &		Engineering - Electrical & Electronic	'	
on the Red Sea coast	2102 2105	Sustainability and the Environment		2	Technology	221 249	Engineering - Petroleum	36	Engineering
Thin film synthesis and			T			1		1	
photovoltaic performance							['	
of polypyrrole@cobalt							['	
hydroxide composites for					Engineering &		1	1	
solar cells and	2105 2504	Renewable Energy, Sustainability and the Environment Electronic,			Technology		Materials Science Engineering -	1 '	
	2508		2 4			4221 221		36	Engineering
optoelectronic devices	2006	Optical and Magnetic Materials Surfaces, Coatings and Films	Z 4		Natural Sciences	433 221	Electrical & Electronic	30	Engineering
The nonlinear behavior of							['	
generic tail fins for small				_	Engineering &		l	!	
wind turbines	2105	Renewable Energy, Sustainability and the Environment		2	Technology	221	Engineering - Electrical & Electronic	36	Engineering
Finite Element Analysis for				1			['	
Dynamic Simulation of		Energy Engineering and Power Technology Renewable Energy,			Engineering &		Engineering - Electrical & Electronic	'	
Composite HAWT Blade	2102 2105	Sustainability and the Environment		2	Technology	221 249	Engineering - Petroleum	36	Engineering
High-voltage direct current		Energy Engineering and Power Technology Electrical and Electronic	+		Engineering &	<u> </u>	Engineering - Petroleum Engineering -		
transmission	2102 2208	Engineering		2	Technology	249 221	Electrical & Electronic	36	Engineering
A solar energy-based							Engineering - Mineral & Mining		
shore side power system					Engineering &	247 249	Engineering - Petroleum Engineering -	'	
								'	
for a ferry service across	00401 0040	Manhanian Fasinaanias I Oaana Fasinaanias	01.4	1	Technology	222 451	Mechanical Geophysics Earth &	20.	Fasianasias
the Suez Canal	2210 2212	Mechanical Engineering Ocean Engineering	2 4		Natural Sciences	416	Marine Sciences	36	Engineering
African vulture optimizer				1			['	
algorithm for fuzzy logic		l					l	'	
speed controller of fuel		Energy Engineering and Power Technology Electrical and Electronic			Engineering &		Engineering - Electrical & Electronic	'	
cell electric vehicle	2102 2208	Engineering		2	Technology	221 249	Engineering - Petroleum	36	Engineering
Vsc-hvdc under ac and dc		Energy Engineering and Power Technology Electrical and Electronic			Engineering &		Engineering - Petroleum Engineering -		
fault conditions	2102 2208	Engineering		2	Technology	249 221	Electrical & Electronic	36	Engineering
Photovoltaic-Powered									
Smart Aquaponic System:							İ	1 '	Physical
Integrating IoT and Al for					Natural		Í	1 '	Sciences
Sustainable Food	1702 1705	Artificial Intelligence Computer Networks and Communications			Sciences		Mathematics Computer Science &	1 '	Engineering
Production and Fish	1711 2213	Signal Processing Safety, Risk, Reliability and Quality Control and			Engineering &	431 212	Information Systems Engineering -	37 36	Computer
			41.2					37 36 38	
Health Management	2606	Optimization	4 2		Technology	249 213	Petroleum Data Science	_ აგ	Science
Experimental Examination							Í	1 '	
of Enhanced							Í	1 '	
Nanoceramic-Based Self-							1	1 '	
Cleaning Sprays for High-							Í	1 '	Physical
Efficiency Hydrophobic	2505 2508	Materials Chemistry Surfaces, Coatings and Films Surfaces and					Materials Science Physics &	1 '	Sciences
Photovoltaic Panels	3110	Interfaces		4	Natural Sciences	433 439	Astronomy	37 36	Engineering
Protection of Wind Turbine					Engineering &				
Generators Using		Energy Engineering and Power Technology Renewable Energy,			Technology		Engineering - Mechanical Engineering	1 '	Physical
Microcontroller-Based	2102 2105	Sustainability and the Environment Industrial and Manufacturing			Social Sciences	222 249	- Petroleum Environmental Sciences	1 '	Sciences
Applications	2209 2308	Engineering Management, Monitoring, Policy and Law	2 3		& Management	424 221	Engineering - Electrical & Electronic	37 36	Engineering
INTERNET OF ENERGY	2200 2300	Engineering Francischerit, Frontonling, Foulty and Law	+ 213		a management	744 441	Libineering - Liectineal & Electronic	3/130	LIIGHICCIIIIK
					1		1	1 '	
APPLIED TO WATER					İ		1	1 '	
HYDROKINETIC SMART-					1	1	1	1 '	
		Energy Engineering and Power Technology Renewable Energy,	i		Engineering &	1	Engineering - Petroleum Engineering -	1 '	i
GRIDS: A TEST RIG EXAMPLE	2102 2105	Sustainability and the Environment		2	Technology	249 221	Electrical & Electronic	36	Engineering

SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI- CRITERIA DECISION- MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING Estimating the energy	2205 2215 2216 2300 2305 2308 2309 2739 3305	Civil and Structural Engineering Building and Construction Architecture General Environmental Science Environmental Engineering Management, Monitoring, Policy and Law Nature and Landscape Conservation Public Health, Environmental and Occupational Health Geography, Planning and Development	5 1 3 2	Life Sciences & Medicine Arts & Humanities Social Sciences & Management Engineering & Technology	424 425 532 220 106	Environmental Sciences Geography Medicine Engineering - Civil & Structural Architecture	34 36 40 37 33	Medical and Health Engineering Social Sciences Physical Sciences Arts and Humanities
consumption for residential buildings in semiarid and arid desert climate using artificial intelligence	1000	Multidisciplinary	-		-		-	•
Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and	4500	Convert Observing Library and an artist of the convertible of the conv		Engineering &	040	Entiropies Observed	20	Facianadas
Reformer Operated Static and dynamic analysis of a new offshore wind turbine system supported with outriggers	2202 2203 2205 2210 2211 2212 2600 3104	Aerospace Engineering Automotive Engineering Civil and Structural Engineering Mechanical Engineering Mechanics of Materials Ocean Engineering General Mathematics Condensed Matter Physics	4 2	Natural Sciences Engineering & Technology	219 451 220 247 433 416 431 222 249 439	Engineering - Chemical Geophysics Engineering - Civil & Structural Engineering - Mineral & Mining Materials Science Earth & Marine Sciences Mathematics Engineering - Mechanical Engineering - Petroleum Physics & Astronomy	36 37 36	Physical Sciences Engineering
Performance Assessment of T-Source Inverter Fed Induction Motor Drives Based on Photovoltaics Conversion of Fish Waste	2102 2105 2208 2504 2606	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Control and Optimization	2 4	Engineering & Technology Natural Sciences	249 433 221 431	Engineering - Petroleum Materials Science Engineering - Electrical & Electronic Mathematics	37 36	Physical Sciences Engineering
Oil into Biofuel: An Experimental Study	1305	Biotechnology		Life Sciences & Medicine	507	Biological Sciences	32	Life Sciences
Study Network Reconfiguration Using Optimization Techniques to Improve Voltage Stability	2208	Electrical and Electronic Engineering		Engineering & 2 Technology	249 221	Engineering - Petroleum Engineering - Electrical & Electronic	36	Engineering
Estimation of density of charged defect states in some glasses of SeTeSnPb system using low-temperature d.c. conductivity measurements	2208 2504 3104 3107	Electrical and Electronic Engineering Electronic, Optical and Magnetic Materials Condensed Matter Physics Atomic and Molecular Physics, and Optics	4 2	Natural Sciences Engineering & Technology	433 221 249 439	Materials Science Engineering - Electrical & Electronic Engineering - Petroleum Physics & Astronomy	36 37	Engineering Physical Sciences
Power grids with renewable energy: Storage, integration and digitalization	2200	General Engineering		Engineering & Technology	-	-	36	Engineering
Green Hydrogen Production from Ethanol Electrolysis Using Co/Ni Bimetallic Nanoparticles- Incorporated Carbon Nanofibers	1500 1600	General Chemical Engineering General Chemistry	4 2	Natural Sciences Engineering & Technology	219 409	Engineering - Chemical Chemistry	37 36	Physical Sciences Engineering
Experimentally validated simplified prediction model of unloaded sparbuoy wave energy converter motions' responses in waves	2102 2210	Energy Engineering and Power Technology Mechanical Engineering		Engineering & 2 Technology	249 222 221	Engineering - Petroleum Engineering - Mechanical Engineering - Electrical & Electronic	36	Engineering

Joint Reflection Design and Channel Estimation for Intelligent Reflective Surfaces	1702 1705 1711 2213 2606	Artificial Intelligence Computer Networks and Communications Signal Processing Safety, Risk, Reliability and Quality Control and Optimization	2 4	Tec	gineering & chnology tural Sciences	212 431 249 213	Computer Science & Information Systems Mathematics Engineering - Petroleum Data Science	38 36 37	Computer Science Engineering Physical Sciences
Protective Schemes for Induction Generator	2102 2105 2209 2308	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Industrial and Manufacturing Engineering Management, Monitoring, Policy and Law	2 3	Ted Soc & M	gineering & chnology cial Sciences 1anagement	249 222 221 424	Engineering - Petroleum Engineering - Mechanical Engineering - Electrical & Electronic Environmental Sciences	37 36	Physical Sciences Engineering
Conclusions and Future Work	2102 2105 2209 2308	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Industrial and Manufacturing Engineering Management, Monitoring, Policy and Law	3 2	& M Eng Ted	cial Sciences Management gineering & chnology	221 424 222 249	Engineering - Electrical & Electronic Environmental Sciences Engineering - Mechanical Engineering - Petroleum	36 37	Engineering Physical Sciences
Vsc-hvdc simulation results	2102 2208	Energy Engineering and Power Technology Electrical and Electronic Engineering			gineering & chnology	249 221	Engineering - Petroleum Engineering - Electrical & Electronic	36	Engineering
Diagnostic Strategies for Microturbines Operating Status Applied to Predictive Maintenance: Experimental Test Case	2200	General Engineering		Eng	gineering & chnology	-	-	36	Engineering
Co-Flow Jet Effects on the Aerodynamic Performance of National Renewable Energy Laboratory Aerofoils with Different Thicknesses for Wind Turbine Applications	2301 2303 2305	Environmental Science (miscellaneous) Ecology Environmental Engineering	4 2	Sci Eng	tural lences gineering & chnology	424	Environmental Sciences	37	Physical Sciences
Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical- Axis Wind Turbine	2200	General Engineering			gineering & chnology			36	Engineering
High-Power Three-Port Converter for Efficient EV Fast Charging Using Partial Power Processing	2102 2208 2210 2213	Energy Engineering and Power Technology Electrical and Electronic Engineering Mechanical Engineering Safety, Risk, Reliability and Quality		Eng 2 Tec	gineering & chnology	249 222 221	Engineering - Petroleum Engineering - Mechanical Engineering - Electrical & Electronic	36	Engineering
Conclusions and future work	2102 2208	Energy Engineering and Power Technology Electrical and Electronic Engineering			gineering & chnology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36	Engineering
Experimental Setups and Results for Digital Relay Protection	2102 2105 2209 2308	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Industrial and Manufacturing Engineering Management, Monitoring, Policy and Law	3 2	& M Eng	cial Sciences Management gineering & chnology	222 424 249 221	Engineering - Mechanical Environmental Sciences Engineering - Petroleum Engineering - Electrical & Electronic	36 37	Engineering Physical Sciences
Solar wind effect on the multi-fluid plasma expansion in the Venusian upper ionosphere	1912 3103	Space and Planetary Science Astronomy and Astrophysics			tural Sciences	416 439 451 450	Earth & Marine Sciences Physics & Astronomy Geophysics Geology	37	Physical Sciences
Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery	1500	General Chemical Engineering		Eng	gineering & chnology	219	Engineering - Chemical	36	Engineering
Remagnetization Strategies for Induction Machines Operating with Reduced Flux Levels	2208 2210	Electrical and Electronic Engineering Mechanical Engineering			gineering & chnology	249 222 221	Engineering - Petroleum Engineering - Mechanical Engineering - Electrical & Electronic	36	Engineering
An Evaluation of Firefly and Flower Pollination Techniques Used to Harvest Maximum Power from PEMFC	1702 2102 2208 2210 2213 2606	Artificial Intelligence Energy Engineering and Power Technology Electrical and Electronic Engineering Mechanical Engineering Safety, Risk, Reliability and Quality Control and Optimization	4 2	Nat Sci Eng	tural iences gineering & chnology	222 213 249 431 221 212	Engineering - Mechanical Data Science Engineering - Petroleum Mathematics Engineering - Electrical & Electronic Computer Science & Information Systems	36 37 38	Engineering Physical Sciences Computer Science

Fabrication, photovoltaic									
analysis, and electrical									
characterization of									
Au/ZnTPyP/p-Si/Ag									
heterojunction under					Engineering &				Engineering
gamma radiation effect for					Technology	439 249	Physics & Astronomy Engineering -		Physical
solar cell applications	1507 3100	Fluid Flow and Transfer Processes General Physics and Astronomy	2 4		Natural Sciences	219	Petroleum Engineering - Chemical	36 37	Sciences
New Efficient			-1.						
Configurations for Sour					Engineering &				
Wastewater Treatment	1500	General Chemical Engineering		2	Technology	219	Engineering - Chemical	36	Engineering
A Multi-Objective	1500	General Orientical Engineering		-	recimology	213	Engineering - Electrical & Electronic	30	Computer
Approach for Available							Data Science Engineering -		Science
Transfer Capability	1702 2102	Artificial Intelligence Energy Engineering and Power Technology			Engineering &	221 213	Petroleum Engineering - Mechanical		Physical
Considering Capability	2208 2210	Electrical and Electronic Engineering Mechanical Engineering Safety,			Technology	249 222	Computer Science & Information	38 37	
Curve of DFIG Wind Farm	2213 2606	Risk, Reliability and Quality Control and Optimization	2 4		Natural Sciences	212 431	Systems Mathematics	36	Sciences Engineering
Fully symbolic-based	2213 2000	hisk, heliability and Quality Control and Optimization	2 4		ivaturat sciences	212 431	Systems Hathematics	30	Engineening
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technique for solving					F:	04010041	Computer Science & Information		Computer
complex state-space					Engineering &	212 221	Systems Engineering - Electrical &		Science
control systems	1700 2208	General Computer Science Electrical and Electronic Engineering		2	Technology	249	Electronic Engineering - Petroleum	38 36	Engineering
Maximizing Renewable									_
Energy Integration through							Engineering - Petroleum Engineering -		Computer
Demand Response							Electrical & Electronic Data Science		Science
Strategies in Distribution	1702 2102	Artificial Intelligence Energy Engineering and Power Technology			Engineering &	249 221	Computer Science & Information		Engineering
Systems Considering	2208 2210	Electrical and Electronic Engineering Mechanical Engineering Safety,			Technology	213 212	Systems Engineering - Mechanical	38 36	Physical
Uncertainties	2213 2606	Risk, Reliability and Quality Control and Optimization	2 4		Natural Sciences	222 431	Mathematics	37	Sciences
Better heat and power									
integration of an existing									
gas-oil plant in Egypt									
through revamping the									
design and organic rankine					Engineering &				
cycle	1500	General Chemical Engineering		2	Technology	219	Engineering - Chemical	36	Engineering
Graphical revamping of a									
delayed coker unit: A case									
study from an Egyptian					Engineering &		Engineering - Petroleum Engineering -		
refinery	1507	Fluid Flow and Transfer Processes		2	Technology	249 219	Chemical	36	Engineering
					Engineering &				
Transient Behavior of		Energy Engineering and Power Technology Renewable Energy,			Technology		Engineering - Mechanical Engineering		Physical
Induction Generator	2102 2105	Sustainability and the Environment Industrial and Manufacturing			Social Sciences	222 249	- Petroleum Engineering - Electrical &		Sciences
Protective Relays	2209 2308	Engineering Management, Monitoring, Policy and Law	2 3		& Management	221 424	Electronic Environmental Sciences	37 36	Engineering
·	'	Energy Engineering and Power Technology Electrical and Electronic	·		Engineering &	·	Engineering - Petroleum Engineering -	·	
Introduction	2102 2208	Engineering		2	Technology	249 221	Electrical & Electronic	36	Engineering
Experimental investigation		Energy Engineering and Power Technology Electrical and Electronic		_	Engineering &	- '	Engineering - Petroleum Engineering -		0 10
for hvdc system	2102 2208	Engineering			Technology	249 221	Electrical & Electronic	36	Engineering
THERMODYNAMIC	2202 2200				Life Sciences &	210 221	Elocator & Elocatoriio	30	
ANALYSIS AND					Medicine				
EXPERIMENTAL STUDY OF					Engineering &				Life Sciences
ALTERNATIVE BIOFUELS					Technology		Engineering - Electrical & Electronic		Physical
USING SAWDUST SLOW	1102 1107	Agronomy and Crop Science Forestry Ponowable Energy	1		Social Sciences	221 502		321 271	Sciences
PYROLYSIS	2105 2311	Agronomy and Crop Science Forestry Renewable Energy, Sustainability and the Environment Waste Management and Disposal	5 2 3		& Management	424	Agriculture & Forestry Environmental Sciences	32 37 36	Engineering
	2100 2011	Sustamability and the Environment waste management and Disposat	3 2 3	-	a management	724	Juliences	50	rugineening
Experimental Investigation			1						
into the Effects of Flat									
Plate Guiding Walls on the					F:				
Performance of Vertical	2000	Occasion Francisco	1	_	Engineering &				Fasing
Axis Wind Turbine	2200	General Engineering		_	Technology	-	-	36	Engineering
	I		1	- 1	Social Sciences				l
					& Management	1	Engineering - Electrical & Electronic	l	Engineering
		Energy Engineering and Power Technology Renewable Energy,						1	
Introduction and Previous	2102 2105	Sustainability and the Environment Industrial and Manufacturing			Engineering &	221 424	Environmental Sciences Engineering -		Physical
Work	2102 2105 2209 2308		3 2		Engineering & Technology	221 424 249 222	Environmental Sciences Engineering - Petroleum Engineering - Mechanical	36 37	Physical Sciences
Work A Simplified Non-Linear		Sustainability and the Environment Industrial and Manufacturing	3 2				Petroleum Engineering - Mechanical	36 37	
Work A Simplified Non-Linear Active Disturbance		Sustainability and the Environment Industrial and Manufacturing Engineering Management, Monitoring, Policy and Law	3 2		Technology	249 222	Petroleum Engineering - Mechanical Engineering - Electrical & Electronic	36 37	
Work A Simplified Non-Linear		Sustainability and the Environment Industrial and Manufacturing	3 2	2			Petroleum Engineering - Mechanical	36 37	

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	ANZSRC				
	FoR		ANZSRC		
	(2020)		FoR		
	parent		(2020)		Sustainable Development
Title	code	ANZSRC FoR (2020) parent name	code	ANZSRC FoR (2020) name	Goals (2025)
Hydrogen production,					
storage, utilisation and					
environmental impacts: a	34 41	Chemical Sciences Environmental Sciences			SDG 7 SDG 9 SDG 12 SDG
review	31	Biological Sciences			13
Conversion of biomass to		Diological ociences			10
	041.441	8:4-3-40:			000 71 000 01 000 101 000
biofuels and life cycle	31 41	Biological Sciences Environmental Sciences			SDG 7 SDG 9 SDG 12 SDG
assessment: a review	34	Chemical Sciences	-	•	13
Biochar for agronomy,					
animal farming, anaerobic					
digestion, composting,					
water treatment, soil					
remediation, construction,					
energy storage, and					
carbon sequestration: a	34 41	Chemical Sciences Environmental Sciences			SDG 6 SDG 7 SDG 8 SDG
	31				12 SDG 13
review	31	Biological Sciences	+	-	12 300 13
Methods to prepare					
biosorbents and magnetic					
sorbents for water	31 41	Biological Sciences Environmental Sciences			SDG 6 SDG 7 SDG 12 SDG
treatment: a review	34	Chemical Sciences	-		14
Membrane Technology for					
Energy Saving: Principles,					
Techniques, Applications,					SDG 6 SDG 7 SDG 9 SDG
Challenges, and Prospects					12
Materials, fuels,	_		-		12
upgrading, economy, and					
life cycle assessment of					
the pyrolysis of algal and					
lignocellulosic biomass: a	31 41	Biological Sciences Environmental Sciences			SDG 7 SDG 8 SDG 9 SDG
review	34	Chemical Sciences	-	-	12 SDG 13
Optimizing biomass					
pathways to bioenergy and					
biochar application in					
electricity generation,					
biodiesel production, and	41 34	Environmental Sciences Chemical Sciences			SDG 7 SDG 8 SDG 9 SDG
biohydrogen production	31	Biological Sciences	_	_	11 SDG 12 SDG 13
An Optimized Hybrid	1 31	2.000g.cat.cololloco	+		11,550 12,650 10
Fractional Order Controller					
for Frequency Regulation					
in Multi-Area Power	l				
Systems	46 40	Information And Computing Sciences Engineering	-	-	SDG 7
Thermochemical					
conversion strategies of					
biomass to biofuels,					
techno-economic and	1		3406		
bibliometric analysis: A			4011		
conceptual review	40 34	Engineering Chemical Sciences	4004	Physical chemistry Environmental engineering Chemical engineering	SDG 7 SDG 8
Biofuel production,	.0,0.		100.	,	
hydrogen production and	411.241	Environmental Sciences Chemical Scien			
water remediation by	41 34	Environmental Sciences Chemical Sciences			500015007
photocatalysis,	31	Biological Sciences	-	•	SDG 6 SDG 7

biocatalysis and					
electrocatalysis					
Design and fabrication of					
Fe2O3/FeP					
heterostructure for oxygen					
evolution reaction	541.40	Physical October 15 - According	5104	October 1 to 1 March 1 to 1 Mar	0007
electrocatalysis	51 40	Physical Sciences Engineering	4016	Condensed matter physics Materials engineering	SDG 7
Recent Advances in Biomass Pyrolysis					
Processes for Bioenergy					
Production: Optimization					
of Operating Conditions	MD	Multidisciplinary	MD	Multidisciplinary	SDG 7 SDG 13
An Adaptive D-FACTS for		- Tuttianosipanary	15	- Tuttidisorpaniary	0507 05010
Power Quality					
Enhancement in an					
Isolated Microgrid	46 40	Information And Computing Sciences Engineering	-	-	SDG 7
Optimum Modified					
Fractional Order Controller					!
for Future Electric Vehicles					
and Renewable Energy-					
Based Interconnected					
Power Systems	46 40	Information And Computing Sciences Engineering	-	-	SDG 7 SDG 13
Recent advances in					
greenly synthesized			0.4001		
nanoengineered materials			3499 4004		CD0 21 CD0 21 CD0 71 CD0
for water/wastewater remediation: an overview	40 34	Engineering Chemical Sciences	4004	Other chemical sciences Chemical engineering Civil engineering	SDG 3 SDG 6 SDG 7 SDG 8 SDG 9
Synthesis and potential	40 34	Engineering Chemical Sciences	4005	Other chemical sciences Chemical engineering Civil engineering	8 3009
applications of					
cyclodextrin-based metal-					
organic frameworks: a	31 34	Biological Sciences Chemical Sciences			
review	41	Environmental Sciences	-	-	SDG 7
			4006		
Review on energy storage			4009	Communications engineering Electronics, sensors and digital hardware	
systems in microgrids	40	Engineering	4008	Electrical engineering	SDG 7
Biomass-to-sustainable					
biohydrogen: Insights into					
the production routes, and					
technical challenges	-	-	-	-	SDG 7 SDG 12 SDG 13
A novel metaheuristic					
MPPT technique based on enhanced autonomous					
group Particle Swarm					
Optimization Algorithm to					
track the GMPP under			4017		
partial shading conditions			4004		
- Experimental validation	40	Engineering	4008	Mechanical engineering Chemical engineering Electrical engineering	SDG 7
Comprehensive				2 51 5 51	
investigation of Opto-					
electronic and transport					
properties of Cs2ScAgX6					
(X = Cl, Br, I) for solar cells					
and thermoelectric	001.40	B. W. F. Charles and A. J. B.			0007
applications	33 40	Built Environment And Design Engineering	-	- 	SDG 7
Sustainable management of food waste; pre-					
treatment strategies,					
techno-economic					
assessment, bibliometric					
analysis, and potential					
utilizations: A systematic	34 31	Chemical Sciences Biological Sciences			
review	41	Environmental Sciences	<u> </u>	-	SDG 7 SDG 9 SDG 12
				•	

Emerging 2D-					
Nanostructured materials					
for electrochemical and					
sensing Application-A					
review	40 34	Engineering Chemical Sciences	-		SDG 7
Experimental and		0 01			
simulation study of					
multichannel air gap					
			4004		
membrane distillation					
process with two types of			4017		
solar collectors	40	Engineering	4008	Chemical engineering Mechanical engineering Electrical engineering	SDG 6 SDG 7 SDG 13
Performance evaluation of					
single multi-junction solar					
cell for high concentrator					
photovoltaics using					
minichannel heat sink with			4012		
nanofluids	40	Engineering	4017	Fluid mechanics and thermal engineering Mechanical engineering	SDG 7
Enhanced electrochemical		0 11 0			
activity of Co3O4/Co9S8					
heterostructure catalyst					
	34 40	Chemical Sciences Engineering			SDG 7
for water splitting	ა4 40	Chemical Sciences Engineering	-	-	SDG 7
Assessment of floating					
photovoltaic productivity					
with fins-assisted passive	33 38	Built Environment And Design Economics			
cooling	40	Engineering	-	-	SDG 7
Simulation and					
experimental performance					
analysis of partially					
floating PV system in windy					
conditions	40 33	Engineering Built Environment And Design	-		SDG 7 SDG 13
A novel concentrated		6			
photovoltaic-driven					
membrane distillation					
hybrid system for the					
simultaneous production					
of electricity and potable					
water	40	Engineering	-	-	SDG 6 SDG 7
Synthesis,					
characterization and DFT					
molecular modeling of					
doped poly (para-					
nitroaniline-co-para-					
toluidine) thin film for					
optoelectronic devices			5104		
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Pakistan	MD	Multidisciplinary	MD	Multidisciplinary	SDG 7 SDG 8 SDG 13
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Toward Enhancing the Energy Efficiency and	461 401	Information And Computing Sciences Engineering			
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Chemistry Letters, (2022),			
20, 1, (153-188),			
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			4008		
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Physical properties and					
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Trailblazing the utilization					
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carbon steel in 1.0 M		AA DORONGO COR		AL BURE STREET	2027
hydrochloric acid	MD	Multidisciplinary	MD	Multidisciplinary	SDG 7
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with 9.027% power			4016		
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Pb concentration on the					
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osmosis floating	40	Engineering	4008	Electrical engineering	SDG 6 SDG 7
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ras gharib, Egypt)					
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