



Publications at Port Said University

SDG 13

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
71 publications	
Dates	Some publication dates might be an approximation. Read more in https://service.elsevier.com/app/answers/detail/a_id/35535/supporthub/scival/

Title	Authors	Number of Authors	Scopus Author Ids	Year	Full date	Scopus Source title	Language
Hydrogen production, storage, utilisation and environmental impacts: a review	Osman, A.I. Mehta, N. Elgarahy, A.M. Hefny, M. Al-Hinai, A. Al-Muhtaseb, A.H. Rooney, D.W.	7	55362658600 57188922811 57192696143 56037605200 39761537200 57117662400 7006139453	2022	2022-02-01	Environmental Chemistry Letters	English
Recent advances in carbon capture storage and utilisation technologies: a review	Osman, A.I. Hefny, M. Abdel Maksoud, M.I.A. Elgarahy, A.M. Rooney, D.W.	5	55362658600 56037605200 57202917751 57192696143 7006139453	2021	2021-04-01	Environmental Chemistry Letters	English
Conversion of biomass to biofuels and life cycle assessment: a review	Osman, A.I. Mehta, N. Elgarahy, A.M. Al-Hinai, A. Al-Muhtaseb, A.H. Rooney, D.W.	6	55362658600 57188922811 57192696143 39761537200 57117662400 7006139453	2021	2021-12-01	Environmental Chemistry Letters	English
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	Osman, A.I. Fawzy, S. Farhali, M. El-Azay, M. Elgarahy, A.M. Fahim, R.A. Maksoud, M.I.A.A. Ajlan, A.A. Yousry, M. Saleem, Y. Rooney, D.W.	11	55362658600 57218328110 57209493826 57208340688 57192696143 57159463700 57202917751 57669430200 57667438500 57786310800 7006139453	2022	2022-08-01	Environmental Chemistry Letters	English
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	Osman, A.I. Farhali, M. Ihara, I. Elgarahy, A.M. Ayyad, A. Mehta, N. Ng, K.H. Abd El-Monaem, E.M. Eltaweil, A.S. Hosny, M. Hamed, S.M. Fawzy, S. Yap, P.-S. Rooney, D.W.	14	55362658600 57209493826 23102939800 57192696143 58112306300 57188922811 56271854000 57214070738 57204148976 57222529755 55598507100 57218328110 36140024400 7006139453	2023	2023-06-01	Environmental Chemistry Letters	English
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	Osman, A.I. Lai, Z.Y. Farhali, M. Yiin, C.L. Elgarahy, A.M. Hammad, A. Ihara, I. Al-Fatesh, A.S. Rooney, D.W. Yap, P.-S.	10	55362658600 58139577400 57209493826 56223568100 57192696143 57200181654 23102939800 36682023300 7006139453 36140024400	2023	2023-10-01	Environmental Chemistry Letters	English
Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions	Aboelela, D. Saleh, H. Attia, A.M. Elhenawy, Y. Majazi, T. Bassyouni, M.	6	57216211196 58519969700 55396230100 57194448020 55961235600 57193261423	2023	2023-07-01	Sustainability (Switzerland)	English
Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems	Ahmed, E.M. Mohamed, E.A. Elmelegi, A. Aly, M. Elbaksawi, O.	5	58170672000 59050958600 57207952985 55160246200 57194940295	2021	2021-01-01	IEEE Access	English
Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation	Osman, A.I. Elgarahy, A.M. Mehta, N. Al-Muhtaseb, A.H. Al-Fatesh, A.S. Rooney, D.W.	6	55362658600 57192696143 57188922811 57117662400 36682023300 7006139453	2022	2022-09-19	ACS Sustainable Chemistry and Engineering	English
Facies analysis and sequence-stratigraphic control on reservoir architecture: Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt	Shehata, A.A. Kassem, A.A. Brooks, H.L. Zuchuat, V. Radwan, A.E.	5	57202942270 21739868700 57198887552 57195722784 56681825800	2021	2021-09-01	Marine and Petroleum Geology	English
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	Eloffy, M.G. Elgarahy, A.M. Saber, A.N. Hammad, A. El-Sherif, D.M. Shehata, M. Mohsen, A. Etwakeel, K.Z.	8	55919580700 57192696143 54954871200 57200181654 57307212500 57916024800 57859732100 9433357000	2022	2022-11-15	Chemical Engineering Journal Advances	English
Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors	Marni Sandid, A. Bassyouni, M. Nehari, D. Ethenawy, Y.	4	57225008605 57193261423 8554710700 57194448020	2021	2021-09-01	Energy Conversion and Management	English
Antioxidant enzymatic activity and osmotic adjustment as components of the drought tolerance mechanism in carex duriuscula	Hou, P. Wang, F. Luo, B. Li, A. Wang, C. Shabala, L. Ahmed, H.A.I. Deng, S. Zhang, H. Song, P. Zhang, Y. Shabala, S. Chen, L.	13	35603404100 56203873400 57203865682 56410252100 55973374900 6507655090 57217408919 35422101300 57219531983 57200746127 55964255900 55924154000 57154967100	2021	2021-01-01	Plants	English

Simulation and experimental performance analysis of partially floating PV system in windy conditions	Elminshawy, N.A.S. Osama, A. El-Damhogi, D.G. Oterkus, E. Mohamed, A.M.I.	5	56520325200 57345484500 57193408017 8345890200 57194436759	2021	2021-12-01	Solar Energy	English
Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination	Ethenawy, Y. Moustafa, G.H. Attia, A.M. Mansi, A.E. Majazi, T. Bassyouni, M.	6	57194448020 6603166380 55396230100 57427621200 55961235600 57193261423	2022	2022-12-01	Journal of Environmental Chemical Engineering	English
Performance enhancement of flat-plate and parabolic trough solar collector using nanofluid for water heating application	AbdEl-Rady Abu-Zeid, M. Ethenawy, Y. Bassyouni, M. Majazi, T. Toderas, M. Al-Qabandi, O.A. Kishk, S.S.	7	56435865100 57194448020 57193261423 55961235600 55963977100 57548767000 57194787820	2024	2024-03-01	Results in Engineering	English
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	Elgarahy, A.M. Priya, A.K. Mostafa, H.Y. Zaki, E.G. Elsaeed, S.M. Muruganandam, M. Elwakeel, K.Z.	7	57192696143 57226315795 57194572166 57196168749 56962711500 59750683600 9433357000	2023	2023-10-01	Journal of Environmental Chemical Engineering	English
Hydrogen production from wastewater, storage, economy, governance and applications: a review	Elgarahy, A.M. Eloffy, M.G. Hammad, A. Saber, A.N. El-Sherif, D.M. Mohsen, A. Abouzid, M. Elwakeel, K.Z.	8	57192696143 55919580700 57200181654 54954871200 57307212500 57859732100 57204445082 9433357000	2022	2022-12-01	Environmental Chemistry Letters	English
An energy-economic analysis of a hybrid PV/wind/battery energy-driven hydrogen generation system in rural regions of Egypt	Elminshawy, N.A.S. Diab, S. Yassen, Y.E.S. Elbaksawi, O.	4	56520325200 58822717100 57195454300 57194940295	2024	2024-03-01	Journal of Energy Storage	English
Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface	Elminshawy, N.A.S. Mohamed, A.M.I. Osama, A. Amin, I. Bassam, A.M. Oterkus, E.	6	56520325200 57194436759 57345484500 57217016463 56769619600 8345890200	2022	2022-03-22	International Journal of Hydrogen Energy	English
A technical and economic evaluation of floating photovoltaic systems in the context of the water-energy nexus	Elminshawy, N.A.S. Osama, A. Gagliano, A. Oterkus, E. Tina, G.M.	5	56520325200 57345484500 7003725643 8345890200 59205356400	2024	2024-09-15	Energy	English
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	Hetimy, S. Megahed, N. Eleinen, O.A. Elgheznavy, D.	4	58230125300 55941539500 57223402796 5722449477	2024	2024-04-01	Sustainable Materials and Technologies	English
Integrated Hydrological Modeling for Watershed Analysis, Flood Prediction, and Mitigation Using Meteorological and Morphometric Data, SCS-CN, HEC-HMS/RAS, and QGIS	El-Bagoury, H. Gad, A.	2	57222181349 57194649953	2024	2024-01-01	Water (Switzerland)	English
A review on the synergistic efficacy of sonication-assisted water treatment process with special attention given to microplastics	Elgarahy, A.M. Eloffy, M.G. Priya, A.K. Yogeshwaran, V. Elwakeel, K.Z. Yang, Z. Lopez-Maldonado, E.A.	7	57192696143 55919580700 57226315795 57207691505 9433357000 57075306100 56272726300	2024	2024-06-01	Chemical Engineering Research and Design	English
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	Atta, M.H.R. Zoromba, M.A. El-Gazar, H.E. Loutfy, A. Elsheikh, M.A. El-ayari, O.S.M. Sehsah, I. Elzohairy, N.W.	8	59316343700 57192239072 57226792915 57222353559 57220953998 58329572700 58899827900 58225244700	2024	2024-12-01	BMC Nursing	English
A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook	Maged, A. El-Fattah, H.A. Kamel, R.M. Kharbish, S. Elgarahy, A.M.	5	57211217930 58265344500 7006762661 22134735200 57192696143	2023	2023-06-01	Environmental Monitoring and Assessment	English
Modelling the impact of lining and covering irrigation canals on	Abd-Elaty, I. Pugliese, L. Bali, K.M. Grismer, M.E. Eltarabily, M.G.	5	57204242191 55207467600 7004096197 7005636657 56990454800	2022	2022-01-01	Hydrological Processes	English

underlying groundwater stores in the Nile Delta, Egypt								
Post-pandemic architecture: a critical review of the expected feasibility of skyscraper-integrated vertical farming (SIVF)	Shahda, M.M. Megahed, N.A.	2	57204561477 55941539500	2023	2023-01-01	Architectural Engineering and Design Management	English	
Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis	Naeem, M.M. Al-Sakkari, E.G. Boffito, D.C. Rene, E.R. Gadalla, M.A. Ashour, F.H.	6	57194205745 57191276223 57558049200 14523428600 14048292400 57788821500	2023	2023-06-01	Fuel	English	
Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water	Hammad, A. Anzai, A. Zhu, X. Yamamoto, A. Ootsuki, D. Yoshida, T. EL-Shazly, A. Elkady, M. Yoshida, H.	9	57200181654 57194692434 59043770800 56688048400 55325536800 24447278100 7005992509 57210801492 55515756200	2020	2020-04-01	Catalysis Letters	English	
Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system	Elthenawy, Y. Bassyouni, M. Fouad, K. Sandid, A.M. Abu-Zeid, M.A.E.-R. Majozi, T.	6	57194448020 57193261423 57217049298 57225008605 56435865100 55961235600	2023	2023-10-01	Renewable Energy	English	
Yield and energy outputs analysis of sawdust biomass pyrolysis	Elthenawy, Y. Fouad, K. Bassyouni, M. Al-Qabandi, O.A. Majozi, T.	5	57194448020 57217049298 57193261423 57548767000 55961235600	2024	2024-04-01	Energy Conversion and Management: X	English	
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical greening systems (VGS)	Gamal, A. Eleinen, O.A. Eltarabily, S. Elgheznawy, D.	4	58705579700 57223402796 57218372332 57224494477	2023	2023-12-01	Frontiers of Architectural Research	English	
Enviro-economic and optimal hybrid energy system: Photovoltaic–biogas–hydro–battery system in rural areas of Pakistan	Mukhtar, S. Muhammad, S. Alyousef, H.A. Khan, W. Shah, R. El-Tantawy, S.A.	6	26635595600 57200603264 57209651907 59250298600 57206692659 36056062500	2024	2024-08-30	Heliyon	English	
Investigating Climate Change Effects on Evapotranspiration and Groundwater Recharge of the Nile Delta Aquifer, Egypt	Eltarabily, M.G. Abd-Elaty, I. Elbeltagi, A. Zelenáková, M. Fathy, I.	5	56990454800 57204242191 57204724397 35249929800 57194453219	2023	2023-02-01	Water (Switzerland)	English	
GIS-based evaluation and statistical determination of groundwater geochemistry for potential irrigation use in El Moghra, Egypt	Eltarabily, M.G. Moghazy, H.E.M.	2	56990454800 24723089700	2021	2021-05-01	Environmental Monitoring and Assessment	English	
Sustainable Building Optimization Model for Early-Stage Design	Elbeltagi, E. Wefki, H. Khallaf, R.	3	6603265905 57195283493 57190007287	2023	2023-01-01	Buildings	English	
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	Atta, M.H.R. Zoromba, M.A. Asat, M.G.R. AbdElhay, E.S. Hendy, A. Sayed, M.A. Elmonem, H.H.A. El-ayari, O.S.M. Sehsah, I. AbdElhay, I.S. Rahman, A.A.A.O.A. Balha, S.M.I. Taha, H.M.A. Shehata, H.S. Othman, A.A. Mohamed, A.Z. Abdelrahman, M.M. Ibrahim, N.M.I. Hassan, E.H.M. El-fatan, H.A.M.A. Ali, A.A.M. Eismalosi, M.F.A. Machaly, E.R. Ghoneam, M.A. Ali, A.F.Z. Elfar, M.N.A. El-Sayed, A.A.I. Mahmoud, M.F.H. Hassan, E.A.	29	59316343700 57192239072 58740125800 58786094900 57219356175 58210532600 58208616500 58329572700 58899827900 59342414400 59342835800 58215820300 59342277600 58218551700 58227587600 57992871100 58887272600 58215844100 59342554800 59342696200 59342696300 59342696400 59316931700 57854478000 59341870200 59342416800 57908688300 59342554900 57218297333	2024	2024-12-01	BMC Nursing	English	
Experimental analysis and numerical simulation of biomass pyrolysis	Elthenawy, Y. Fouad, K. Mansi, A. Bassyouni, M. Gadalla, M. Ashour, F. Majozi, T.	7	57194448020 57217049298 57427621200 57193261423 14048292400 57788821500 55961235600	2024	2024-10-01	Journal of Thermal Analysis and Calorimetry	English	
Innovative metaheuristic algorithm with comparative analysis of MPPT for 5.5 kW floating photovoltaic system	Elbaksawi, O. Elminshawy, N.A.S. Diab, S. Eltamaly, A.M. Mahmoud, A. Ethadidy, H.	6	57194940295 56520325200 58822717100 6507950667 58962059400 55964551000	2024	2024-05-01	Process Safety and Environmental Protection	English	

Acid-hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation	Sherif, N. Gadalla, M. Kamel, D.	3	57515968100 14048292400 55902257200	2021	2021-10-01	South African Journal of Chemical Engineering	English
Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters	Hassan, A.M.	1	5.72E+10	2023	2023-11-01	Buildings	English
Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas	Eshra, N.M. Amin, I.	2	36875832900 57217016463	2020	2020-06-01	2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020	English
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	Meng, J. Abed, A.M. Elsehrawy, M.G. Al Agha, A. Abdullah, N. Elattar, S. Abbas, M. AL Garalleh, H. Assizadeh, H.	9	59134329900 57716714900 57742510900 57210997748 58712485700 57216459381 57201738440 55762385300 57221052618	2024	2024-05-30	Heliyon	English
Exploring the relationship between nursing students' knowledge and attitudes towards climate change and their psychological distress: a cross-national investigation	Abousoliman, A.D. Ibrahim, A.M. Abualruz, H. Magdi, H.M. Zaghmir, D.E.F. Alhowimel, A. El-Monshed, A.H. El-Gazar, H.E. Zoromba, M.A.	9	57728406700 57218703344 57216547615 58226281100 58030173700 57204074553 58697921500 57226792915 57192239072	2024	2024-12-01	BMC Nursing	English
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigmelana shells for sustainable biohydrogen production from leftover cooking oil	El-Qelish, M. El-Shafai, S.A. Azouz, R.A.M. Rashad, E. Elgarahy, A.M.	5	47360967500 6506919423 57205472437 57226160124 57192696143	2024	2024-04-01	Journal of Environmental Chemical Engineering	English
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	Priya, A.K. Alghamdi, H.M. Kavinkumar, V. Elwakeel, K.Z. Elgarahy, A.M.	5	57226315795 58170757700 57222357766 9433357000 57192696143	2024	2024-12-01	International Journal of Biological Macromolecules	English
Improvement of Selected Morphological, Physiological, and Biochemical Parameters of Banana (Musa acuminata L.) Using Potassium Silicate under Drought Stress Condition Grown in vitro	Aziz, H.A. Sharaf, M. Omar, M. El-Yazied, A.A. Aljwaizea, N.I. Ismail, S. Omar, M.M.A. Alharbi, K. Elkelish, A. Tawfik, M.	10	57780543400 57221590008 57211598728 42560894900 57781072200 60103025600 57614220100 57197814315 56925312600 57781859500	2023	2023-01-01	Phyton-International Journal of Experimental Botany	English
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	Elgarahy, A.M. Hammad, A. Shehata, M. Ayyad, A. El-Qelish, M. Elwakeel, K.Z. Maged, A.	7	57192696143 57200181654 57916024800 58112306300 47360967500 9433357000 57211217930	2024	2024-04-01	Environmental Science and Pollution Research	English
A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant	Ayyad, A. Abbas, A. Elminshawy, N.	3	58112306300 36154476000 56520325200	2021	2021-12-01	Discover Sustainability	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
Sustainable agricultural development under different climate change scenarios for EL	Selim, T. Moghazy, N.H. Elsbah, R. Elkiki, M. Ettarabily, M.G.	5	48662861300 57212589844 57209028905 58180117000 56990454800	2024	2024-06-01	Environment, Development and Sustainability	English

Moghra region, Western Desert of Egypt							
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	Elba, H. Hegazy, H. Zhang, J. Mahdi, I.M. Abdel Rashid, I. Hassan, H.M.	6	59175481300 57214440300 55358453700 59772955100 57208552553 36157895000	2024	2024-07-01	Innovative Infrastructure Solutions	English
Coral bleaching occurrence along the Egyptian coast of the Red Sea during the summer heat stress period, 2020	Dosoky, M.Y.A. Ahmed, M.I. Madkour, F.F. Hanafy, M.H.	4	57321068900 57061419500 18042182900 15831809700	2021	2021-09-01	Egyptian Journal of Aquatic Biology and Fisheries	English
IMPROVING URBAN ENERGY RESILIENCE WITH AN INTEGRATIVE FRAMEWORK BASED ON MACHINE LEARNING METHODS	Hassan, A.M. Megahed, N.A.	2	57214328061 55941539500	2022	2022-01-01	Architecture and Engineering	English
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	Yakoub, W.A. Eleinen, O.M.A. Mahmoud, M.F. Elrayies, G.M.	4	57223405904 57223402796 57223394052 57195482338	2021	2021-04-01	International Journal of Sustainable Development and Planning	English
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	Kulikova, Y. Ilinykh, G. Stiusar, N. Babich, O. Bassyouni, M.	5	57982159500 57201851767 56018223300 55226327700 57193261423	2024	2024-07-01	Energy Conversion and Management: X	English
Techno-economic assessment of a novel wind-powered RO system with a compressed air energy storage for water desalination	Elsakka, M.M. Refaat, A. Alzahrani, K.M. Hee, J.L. Ma, L. Elhenawy, Y. Majozi, T. Yosry, A.G. Amer, A. Moustafa, G.H. Ahmed, A.	11	57195454644 57207986070 57193703105 59320432300 56727012700 57194448020 55961235600 59360183400 57212308249 6603166380 57214309902	2024	2024-12-01	Energy	English
Assessment of Onshore Renewable Energy Power Supply for Ship's Emissions Reduction in Port Said West Port	Makram, M. Bassam, A.M. Tawfik, A.A. Yehia, W.	4	59143626000 56769619600 35345973100 15125094200	2024	2024-06-01	Journal of Marine Science and Application	English
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	Ismaeil, E.M.H. Sobaih, A.E.E.	2	57732309400 43762250600	2023	2023-05-01	Buildings	English
Gaseous fuel diffusion flame with low oxygen concentrations	Gad, H.M. Salman, A.M. Farag, T.M. Ibrahim, I.A.	4	57203239099 57219120252 7004385727 57203242113	2023	2023-09-01	Results in Engineering	English
Effect of using nanoparticle-based diesel fuel on enhancement of performance and emissions of diesel engines	Gadalla, M.A. Mazen, O.M. Aboul-Fotouh, T.M. Ashour, F.H. Elazab, H.A.	5	14048292400 57222515739 36092643000 57788821500 57197864132	2021	2021-01-01	Nanoscience and Nanotechnology - Asia	English
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	Moharam, A.I. Beheary, M.S. Salama, A.M. Abdel-Azeem, A.M.	4	58526910400 6504203919 57214234912 59080969500	2023	2023-06-01	Microbial Biosystems	English
Effect of atomizing gas type on kerosene spray combustion using gas-blast atomizer: A comparative numerical study	Ibrahim, I.A. Elzallat, A.M. Elsakka, M.M. Farag, T.M. Gad, H.M.	5	57203242113 57436128000 57195454644 7004385727 57203239099	2024	2024-02-15	Applied Thermal Engineering	English
CO2 Emission Mitigation in Container-Based Cloud Computing by the Power of Resource Management	Ashry, N. Attia, R. Nashaat, H. Rizk, R.	4	57203918585 36781939800 41561671500 26649135100	2023	2023-01-01	Lecture Notes on Data Engineering and Communications Technologies	English
Predictive modeling of sustainable recycled materials for stone column construction	Foda, T. Hassan, H.M. Abdelkader, A. el-Hassan, K.A.	4	58218844500 36157895000 57213257508 57222633759	2024	2024-11-01	Innovative Infrastructure Solutions	English
Imaging the Future Threats of the Sand Dunes Along the Northwestern Coast of Nile Delta Using SAR	Ramadan, R. Hassan, E. El-Asser, M.A. Yahia, A. Gaber, A.	5	58728226000 56530285600 58728619900 57308996700 23977853700	2023	2023-01-01	Springer Proceedings in Earth and Environmental Sciences	English

Thermal history of coral reefs along the Egyptian coast of the Red Sea	Hanafy, M.H. Dosoky, M.Y.A. Mohamed, A.R.	3	15831809700 57321068900 57189499624	2024	2024-01-01	Coral Reefs and Associated Marine Fauna around the Arabian Peninsula	English
New Efficient Configurations for Sour Wastewater Treatment	Gadalla, M.A. Ghallab, A. Mansour, A.M. Ashour, F.H. Elazab, H.A.	5	14048292400 16244766300 57806854500 57788821500 57197864132	2022	2022-02-01	Recent Innovations in Chemical Engineering	English
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle	Gadalla, M.A. Elmasry, A. Alhajri, I. Ashour, F.H. Elazab, H.A.	5	14048292400 57216331010 36242852100 57788821500 57197864132	2021	2021-01-01	Open Chemical Engineering Journal	English
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	Alazmi, R.H. Gadalla, M. Wang, B. Shahin, M. Elazab, H.A. Majozi, T. Ashour, F.	7	35733121600 14048292400 57212146506 59144455000 57197864132 55961235600 57788821500	2024	2024-10-01	Thermal Science and Engineering Progress	English

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
Hydrogen production, storage, utilisation and environmental impacts: a review	6.34	519	736	11.57	62.81	1	1	1	6	Osman, A.I., Mehta, N., Elgarahy, A.M. and 4 more (...) (2022). Hydrogen production, storage, utilisation and environmental impacts: a review. Environmental Chemistry Letters,20(1) 153-188
Recent advances in carbon capture storage and utilisation technologies: a review	8.39	786	642	6.91	71.64	1	2	1	6	Osman, A.I., Hefny, M., Abdel Maksoud, M.I.A. and 2 more (...) (2021). Recent advances in carbon capture storage and utilisation technologies: a review. Environmental Chemistry Letters,19(2) 797-849
Conversion of biomass to biofuels and life cycle assessment: a review	3.34	308	519	5.22	71.64	1	3	1	1	Osman, A.I., Mehta, N., Elgarahy, A.M. and 3 more (...) (2021). Conversion of biomass to biofuels and life cycle assessment: a review. Environmental Chemistry Letters,19(6) 4075-4118
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	3.62	265	352	5.6	62.81	1	3	1	0	Osman, A.I., Fawzy, S., Farghali, M. and 8 more (...) (2022). Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review. Environmental Chemistry Letters,20(4) 2385-2485
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	1.91	111	137	3.44	39.82	1	6	0	0	Osman, A.I., Farghali, M., Ihara, I. and 11 more (...) (2023). Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review. Environmental Chemistry Letters,21(3) 1419-1476
Optimizing biomass pathways to bioenergy	2.18	127	126	3.16	39.82	1	7	0	0	Osman, A.I., Lai, Z.Y., Farghali, M. and 7 more (...) (2023). Optimizing biomass

and biochar application in electricity generation, biodiesel production, and biohydrogen production											pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production. Environmental Chemistry Letters,21(5) 2639-2705
Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions	2.24	113	98	3.91	25.09	1	5	0	0		Aboelela, D., Saleh, H., Attia, A.M. and 3 more (...) (2023).Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions. Sustainability (Switzerland),15(14)
Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems	1.46	42	92	5.13	13.26	2	3	0	0		Ahmed, E.M., Mohamed, E.A., Elmelegi, A. and 2 more (...) (2021).Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems. IEEE Access,929993-30010
Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation	2.28	64	86	4.43	18.98	2	4	0	0		Osman, A.I., Elgarahy, A.M., Mehta, N. and 3 more (...) (2022).Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation. ACS Sustainable Chemistry and Engineering,10(37) 12433-12447
Facies analysis and sequence-stratigraphic control on reservoir architecture: Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt	2.91	55	86	6.65	9.48	3	2	0	0		Shehata, A.A., Kassem, A.A., Brooks, H.L. and 2 more (...) (2021).Facies analysis and sequence-stratigraphic control on reservoir architecture: Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt. Marine and Petroleum Geology,131
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	2.39	124	77	1.51	50.41	2	19	0	0		Eloffy, M.G., Elgarahy, A.M., Saber, A.N. and 5 more (...) (2022).Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges. Chemical Engineering Journal Advances,12
Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors	3.13	90	67	3.34	14.96	4	6	0	0		Mami Sandid, A., Bassyouni, M., Nehari, D. and 1 more (...) (2021).Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors. Energy Conversion and Management,243
Antioxidant enzymatic activity and osmotic adjustment as components of the drought tolerance mechanism in carex duriuscula	1.42	27	61	4.28	10.04	4	4	0	0		Hou, P., Wang, F., Luo, B. and 10 more (...) (2021).Antioxidant enzymatic activity and osmotic adjustment as components of the drought tolerance mechanism in carex duriuscula. Plants,10(3) 1-20
Simulation and experimental performance analysis of partially floating PV system in windy conditions	3.08	112	58	1.98	20.23	5	13	0	0		Elminshawy, N.A.S., Osama, A., El-Damhogi, D.G. and 2 more (...) (2021).Simulation and experimental performance analysis of partially floating PV system in windy conditions. Solar Energy,2301106-1121
Performance enhancement of a	4.77	130	52	3.45	15.06	3	6	0	0		Elthenawy, Y., Moustafa, G.H., Attia, A.M. and 3 more (...) (2022).Performance

hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination											enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination. Journal of Environmental Chemical Engineering,10(6)
Performance enhancement of flat-plate and parabolic trough solar collector using nanofluid for water heating application	4.12	72	51	10.65	4.79	1	1	0	0	AbdEl-Rady Abu-Zeid, M., Elhenawy, Y., Bassyouni, M. and 4 more (...) (2024).Performance enhancement of flat-plate and parabolic trough solar collector using nanofluid for water heating application. Results in Engineering,21	
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	6.2	143	47	4.58	10.27	2	4	0	0	Elgarahy, A.M., Priya, A.K., Mostafa, H.Y. and 4 more (...) (2023).Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review. Journal of Environmental Chemical Engineering,11(5)	
Hydrogen production from wastewater, storage, economy, governance and applications: a review	1.5	110	46	0.73	62.81	4	38	0	0	Elgarahy, A.M., Eloffy, M.G., Hammad, A. and 5 more (...) (2022).Hydrogen production from wastewater, storage, economy, governance and applications: a review. Environmental Chemistry Letters,20(6) 3453-3504	
An energy-economic analysis of a hybrid PV/wind/battery energy-driven hydrogen generation system in rural regions of Egypt	6.86	100	45	6.95	6.47	1	2	0	0	Elminshawy, N.A.S., Diab, S., Yassen, Y.E.S. and 1 more (...) (2024).An energy-economic analysis of a hybrid PV/wind/battery energy-driven hydrogen generation system in rural regions of Egypt. Journal of Energy Storage,80	
Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface	3.5	91	45	2.89	15.55	4	7	0	0	Elminshawy, N.A.S., Mohamed, A.M.I., Osama, A. and 3 more (...) (2022).Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface. International Journal of Hydrogen Energy,47(25) 12798-12814	
A technical and economic evaluation of floating photovoltaic systems in the context of the water-energy nexus	4.3	73	44	7.65	5.75	1	2	0	0	Elminshawy, N.A.S., Osama, A., Gagliano, A. and 2 more (...) (2024).A technical and economic evaluation of floating photovoltaic systems in the context of the water-energy nexus. Energy,303	
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	2.78	93	37	2.08	17.78	1	13	0	0	Hetimy, S., Megahed, N., Eleinen, O.A. and 1 more (...) (2024).Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking. Sustainable Materials and Technologies,39	
Integrated Hydrological Modeling for Watershed Analysis, Flood Prediction, and Mitigation Using Meteorological and Morphometric Data, SCS-CN, HEC-HMS/RAS, and QGIS	8.38	113	34	9.1	3.74	1	1	0	0	El-Bagouy, H., Gad, A. (2024).Integrated Hydrological Modeling for Watershed Analysis, Flood Prediction, and Mitigation Using Meteorological and Morphometric Data, SCS-CN, HEC-HMS/RAS, and QGIS. Water (Switzerland),16(2)	
A review on the synergistic efficacy of sonication-assisted water treatment	2.98	39	31	4.94	6.28	2	4	0	0	Elgarahy, A.M., Eloffy, M.G., Priya, A.K. and 4 more (...) (2024).A review on the synergistic efficacy of sonication-assisted water treatment process with special attention	

process with special attention given to microplastics											given to microplastics. Chemical Engineering Research and Design,206524-552
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	8.77	141	31	15.22	2.04	2	1	0	0		Atta, M.H.R., Zoromba, M.A., El-Gazar, H.E. and 5 more (...) (2024).Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study. BMC Nursing,23(1)
A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook	1.33	39	30	2.71	11.06	4	8	0	0		Maged, A., El-Fattah, H.A., Kamel, R.M. and 2 more (...) (2023).A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook. Environmental Monitoring and Assessment,195(6)
Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta, Egypt	2.76	58	28	2.56	10.92	8	9	0	2		Abd-Elaty, I., Pugliese, L., Bali, K.M. and 2 more (...) (2022).Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta, Egypt. Hydrological Processes,36(1)
Post-pandemic architecture: a critical review of the expected feasibility of skyscraper-integrated vertical farming (SIVF)	1.27	130	28	1.23	21.88	5	24	0	0		Shahda, M.M., Megahed, N.A. (2023).Post-pandemic architecture: a critical review of the expected feasibility of skyscraper-integrated vertical farming (SIVF). Architectural Engineering and Design Management,19(3) 283-304
Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis	3.81	77	25	2.43	10.27	6	10	0	0		Naeem, M.M., Al-Sakkari, E.G., Boffito, D.C. and 3 more (...) (2023).Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis. Fuel,341
Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water	1.33	49	22	0.61	21.49	20	41	0	0		Hammad, A., Anzai, A., Zhu, X. and 6 more (...) (2020).Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water. Catalysis Letters,150(4) 1081-1088
Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system	3.08	98	21	1.35	15.56	7	21	0	0		Elhenawy, Y., Bassyouni, M., Fouad, K. and 3 more (...) (2023).Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system. Renewable Energy,215
Yield and energy outputs analysis of sawdust biomass pyrolysis	3.41	52	21	3.49	6.02	3	6	0	0		Elhenawy, Y., Fouad, K., Bassyouni, M. and 2 more (...) (2024).Yield and energy outputs analysis of sawdust biomass pyrolysis. Energy Conversion and Management: X,22
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental	2.98	83	18	2.22	8.09	9	11	0	0		Gamal, A., Eteinen, O.A., Eltarabily, S. and 1 more (...) (2023).Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical

performance of vertical greening systems (VGS)											greening systems (VGS). Frontiers of Architectural Research,12(6) 1260-1284
Enviro-economic and optimal hybrid energy system: Photovoltaic-biogas-hydro-battery system in rural areas of Pakistan	1.03	16	16	3.16	5.06	4	7	0	0		Mukhtar, S., Muhammad, S., Alyousef, H.A. and 3 more (...) (2024). Enviro-economic and optimal hybrid energy system: Photovoltaic-biogas-hydro-battery system in rural areas of Pakistan. Heliyon,10(16)
Investigating Climate Change Effects on Evapotranspiration and Groundwater Recharge of the Nile Delta Aquifer, Egypt	2.75	55	16	2.16	7.4	11	12	0	1		Eltarabily, M.G., Abd-Elaty, I., Elbeltagi, A. and 2 more (...) (2023). Investigating Climate Change Effects on Evapotranspiration and Groundwater Recharge of the Nile Delta Aquifer, Egypt. Water (Switzerland),15(3)
GIS-based evaluation and statistical determination of groundwater geochemistry for potential irrigation use in El Moghra, Egypt	1.42	54	16	0.83	16.86	23	34	0	0		Eltarabily, M.G., Moghazy, H.E.M. (2021). GIS-based evaluation and statistical determination of groundwater geochemistry for potential irrigation use in El Moghra, Egypt. Environmental Monitoring and Assessment,193(5)
Sustainable Building Optimization Model for Early-Stage Design	2.61	76	15	1.78	8.41	11	15	0	0		Elbeltagi, E., Wefki, H., Khallaf, R. (2023). Sustainable Building Optimization Model for Early-Stage Design. Buildings,13(1)
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	3.36	54	14	6.87	2.04	5	2	0	0		Atta, M.H.R., Zoromba, M.A., Asa, M.G.R. and 26 more (...) (2024). Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students. BMC Nursing,23(1)
Experimental analysis and numerical simulation of biomass pyrolysis	5.16	60	14	3.49	4.01	5	6	0	0		Elhenawy, Y., Fouad, K., Mansi, A. and 4 more (...) (2024). Experimental analysis and numerical simulation of biomass pyrolysis. Journal of Thermal Analysis and Calorimetry,149(19) 10369-10383
Innovative metaheuristic algorithm with comparative analysis of MPPT for 5.5 kW floating photovoltaic system	1.81	31	13	2.12	6.13	6	13	0	0		Elbaksawi, O., Elminshawy, N.A.S., Diab, S. and 3 more (...) (2024). Innovative metaheuristic algorithm with comparative analysis of MPPT for 5.5 kW floating photovoltaic system. Process Safety and Environmental Protection,1851072-1088
Acid-hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation	2.39	69	13	0.8	13.83	27	35	0	0		Sherif, N., Gadalla, M., Kamel, D. (2021). Acid-hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation. South African Journal of Chemical Engineering,3834-40
Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters	0.67	43	13	0.54	24.27	14	46	0	0		Hassan, A.M. (2023). Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters. Buildings,13(11)
Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas	2.72	38	11	1.24	4.84	35	22	0	0		Eshra, N.M., Amin, I. (2020). Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas. 2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020,

Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	2.95	46	10	1.98	5.06	8	14	0	0	Meng, J., Abed, A.M., Elsehrawy, M.G. and 6 more (...) (2024).Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering. Heliyon,10(10)
Exploring the relationship between nursing students' knowledge and attitudes towards climate change and their psychological distress: a cross-national investigation	3.05	49	10	4.91	2.04	8	4	0	0	Abousoliman, A.D., Ibrahim, A.M., Abualruz, H. and 6 more (...) (2024).Exploring the relationship between nursing students' knowledge and attitudes towards climate change and their psychological distress: a cross-national investigation. BMC Nursing,23(1)
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	2.61	40	10	1.85	5.41	8	16	0	0	El-Qelish, M., El-Shafai, S.A., Azouz, R.A.M. and 2 more (...) (2024).From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil. Journal of Environmental Chemical Engineering,12(2)
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	1.83	30	10	0.9	11.08	8	31	0	0	Priya, A.K., Alghamdi, H.M., Kavinkumar, V. and 2 more (...) (2024).Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment. International Journal of Biological Macromolecules,282
Improvement of Selected Morphological, Physiological, and Biochemical Parameters of Banana (Musa acuminata L.) Using Potassium Silicate under Drought Stress Condition Grown in vitro	3.1	49	9	1.13	7.94	20	26	0	0	Aziz, H.A., Sharaf, M., Omar, M. and 7 more (...) (2023).Improvement of Selected Morphological, Physiological, and Biochemical Parameters of Banana (Musa acuminata L.) Using Potassium Silicate under Drought Stress Condition Grown in vitro. Phytan-International Journal of Experimental Botany,92(4) 1019-1036
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	2.3	73	8	0.55	14.49	11	42	0	0	Elgarahy, A.M., Hammad, A., Shehata, M. and 4 more (...) (2024).Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review. Environmental Science and Pollution Research,31(19) 27566-27608
A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant	0.29	18	8	0.45	13.35	38	51	0	0	Ayyad, A., Abbas, A., Elminshawy, N. (2021).A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant. Discover Sustainability,2(1)
Improving Power Quality Problems of	0.89	20	8	0.84	9.48	22	34	0	0	Elmetwally, A.H., Eldesouky, A.A., Fekry, H.M. and 4 more (...) (2023).Improving

Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration											Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration. IEEE Access,1199822-99835
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	1.99	60	7	1.41	4.25	13	21	0	0		Selim, T., Moghazy, N.H., Elsbah, R. and 2 more (...) (2024).Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt. Environment, Development and Sustainability,26(6) 14957-14979
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	1.88	30	7	1.41	4.97	13	21	0	0		Elba, H., Hegazy, H., Zhang, J. and 3 more (...) (2024).Exploring critical barriers towards the uptake of renewable energy usage in Egypt. Innovative Infrastructure Solutions,9(7)
Coral bleaching occurrence along the egyptian coast of the red sea during the summer heat stress period, 2020	1.55	33	7	0.44	9.1	41	52	0	0		Dosoky, M.Y.A., Ahmed, M.I., Madkour, F.F. and 1 more (...) (2021).Corat bleaching occurrence along the egyptian coast of the red sea during the summer heat stress period, 2020. Egyptian Journal of Aquatic Biology and Fisheries,25(5) 17-37
IMPROVING URBAN ENERGY RESILIENCE WITH AN INTEGRATIVE FRAMEWORK BASED ON MACHINE LEARNING METHODS	1.95	57	6	0.52	11.52	38	48	0	0		Hassan, A.M., Megahed, N.A. (2022).IMPROVING URBAN ENERGY RESILIENCE WITH AN INTEGRATIVE FRAMEWORK BASED ON MACHINE LEARNING METHODS. Architecture and Engineering,7(4) 17-35
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	1.17	51	6	0.33	15.33	45	58	0	0		Yakoub, W.A., Eleinen, O.M.A., Mahmoud, M.F. and 1 more (...) (2021).Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability. International Journal of Sustainable Development and Planning,16(2) 263-275
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	3.81	58	5	0.83	6.02	18	33	0	0		Kulikova, Y., Ilinykh, G., Sliusar, N. and 2 more (...) (2024).Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction. Energy Conversion and Management: X,23
Techno-economic assessment of a novel wind-powered RO system with a compressed air energy storage for water desalination	3.42	58	4	0.7	5.75	22	37	0	0		Elsakka, M.M., Refaat, A., Alzahrani, K.M. and 8 more (...) (2024).Techno-economic assessment of a novel wind-powered RO system with a compressed air energy storage for water desalination. Energy,311
Assessment of Onshore Renewable Energy Power Supply for Ship's Emissions Reduction in Port Said West Port	1.27	17	4	0.84	4.79	22	33	0	0		Makram, M., Bassam, A.M., Tawfik, A.A. and 1 more (...) (2024).Assessment of Onshore Renewable Energy Power Supply for Ship's Emissions Reduction in Port Said West Port. Journal of Marine Science and Application,23(2) 506-524
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	1.89	55	4	0.48	8.41	37	49	0	0		Ismaeil, E.M.H., Sobaih, A.E.E. (2023).Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective. Buildings,13(5)

Gaseous fuel diffusion flame with low oxygen concentrations	0.75	17	3	0.36	8.36	43	55	0	0	Gad, H.M., Salman, A.M., Farag, T.M. and 1 more (...) (2023).Gaseous fuel diffusion flame with low oxygen concentrations. Results in Engineering,19
Effect of using nanoparticle-based diesel fuel on enhancement of performance and emissions of diesel engines	1.47	39	3	0.15	13.43	58	71	0	0	Gadalla, M.A., Mazen, O.M., Aboul-Fotouh, T.M. and 2 more (...) (2021).Effect of using nanoparticle-based diesel fuel on enhancement of performance and emissions of diesel engines. Nanoscience and Nanotechnology - Asia,11(1) 104-118
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	0.62	14	2	0.11	18.54	50	71	0	0	Moharam, A.I., Beheary, M.S., Salama, A.M. and 1 more (...) (2023).Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect. Microbial Biosystems,8(1) 18-25
Effect of atomizing gas type on kerosene spray combustion using gas-blast atomizer: A comparative numerical study	1.98	36	2	0.36	5.58	34	50	0	0	Ibrahim, I.A., Elzallat, A.M., Elsakka, M.M. and 2 more (...) (2024).Effect of atomizing gas type on kerosene spray combustion using gas-blast atomizer: A comparative numerical study. Applied Thermal Engineering,239
CO2 Emission Mitigation in Container-Based Cloud Computing by the Power of Resource Management	0.91	8	1	0.41	2.45	60	52	0	0	Ashry, N., Attia, R., Nashaat, H. and 1 more (...) (2023).CO2 Emission Mitigation in Container-Based Cloud Computing by the Power of Resource Management. Lecture Notes on Data Engineering and Communications Technologies,18497-111
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Osman, A.I. Mehta, N. Elgarahy, A.M. Hefny, M. Al-Hinai, A. Al-Muhtaseb, A.H. Rooney, D.W.	https://www.scopus.com/record/display.url?eid=2-s2.0-85116501469&origin=resultslist	10.1007/s10311-021-01322-8	Review	Hybrid gold Green	2-s2.0-85116501469	-	South Valley University Sultan Qaboos University Swiss Federal Institute of Technology Zurich Queen's University Belfast Port Said University Egyptian Propylene & Polypropylene Company	6
Osman, A.I. Hefny, M. Abdel Maksoud, M.I.A. Elgarahy, A.M. Rooney, D.W.	https://www.scopus.com/record/display.url?eid=2-s2.0-85096378435&origin=resultslist	10.1007/s10311-020-01133-3	Review	Hybrid gold Green	2-s2.0-85096378435	-	South Valley University Egyptian Atomic Energy Authority Swiss Federal Institute of Technology Zurich Queen's University Belfast Port Said University Egyptian Propylene & Polypropylene Company	6
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Osman, A.I. Fawzy, S. Farghali, M. El-Azazy, M. Elgarahy, A.M. Fahim, R.A. Maksoud, M.I.A.A. Ajlan, A.A. Yousry, M. Saleem, Y. Rooney, D.W.	https://www.scopus.com/record/display.url?eid=2-s2.0-85129487821&origin=resultslist	10.1007/s10311-022-01424-x	Review	Hybrid gold Green	2-s2.0-85129487821	-	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
Osman, A.I. Farghali, M. Ihara, I. Elgarahy, A.M. Ayyad, A. Mehta, N. Ng, K.H. Abd El-Monaem, E.M. Eltaweil, A.S. Hosny, M. Hamed, S.M. Fawzy, S. Yap, P.-S. Rooney, D.W.	https://www.scopus.com/record/display.url?eid=2-s2.0-85148615526&origin=resultslist	10.1007/s10311-023-01573-7	Review	Hybrid gold	2-s2.0-85148615526	-	Al-Imam Muhammad Ibn Saud Islamic University Assiut University Kobe University University of Birmingham Xi'an Jiaotong-Liverpool University Alexandria University Ming Chi University of Technology Queen's University Belfast Port Said University Egyptian Propylene & Polypropylene Company Agricultural Research Center, Giza	11
Osman, A.I. Lai, Z.Y. Farghali, M. Yiin, C.L. Elgarahy, A.M. Hammad, A. Ihara, I. Al-Fatesh, A.S. Rooney, D.W. Yap, P.-S.	https://www.scopus.com/record/display.url?eid=2-s2.0-85163691782&origin=resultslist	10.1007/s10311-023-01613-2	Review	Hybrid gold	2-s2.0-85163691782	-	King Saud University Kobe University Xi'an Jiaotong-Liverpool University Universiti Malaysia Sarawak Queen's University Belfast Port Said University Egyptian Propylene & Polypropylene Company Assiut University	8
Aboeleta, D. Saleh, H. Attia, A.M. Elhenawy, Y. Majoji, T. Bassyouni, M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85166594381&origin=resultslist	10.3390/su151411238	Review	Gold Green	2-s2.0-85166594381	-	The British University in Egypt University of the Witwatersrand Port Said University	3
Ahmed, E.M. Mohamed, E.A. Elmelegi, A. Aty, M. Elbaksawi, O.	https://www.scopus.com/record/display.url?eid=2-s2.0-85100835050&origin=resultslist	10.1109/ACCESS.2021.3058521	Article	Gold	2-s2.0-85100835050	-	Al Jouf University Aswan University Universidad Técnica Federico Santa María Port Said University	4
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Eloffy, M.G. Elgarahy, A.M. Saber, A.N. Hammad, A. El-Sherif, D.M. Shehata, M. Mohsen, A. Elwakeel, K.Z.	https://www.scopus.com/record/display.url?eid=2-s2.0-85139373351&origin=resultslist	10.1016/j.ceja.2022.100410	Review	Gold	2-s2.0-85139373351	-	University of Jeddah National Institute of Oceanography and Fisheries Port Said University Egyptian Propylene & Polypropylene Company Agricultural Research Center, Giza	5
Marni Sandid, A. Bassyouni, M. Nehari, D. Elhenawy, Y.	https://www.scopus.com/record/display.url?eid=2-s2.0-85108903443&origin=resultslist	10.1016/j.enconman.2021.114431	Article		2-s2.0-85108903443	-	Université d'ain Témoüchent, Belhadj Bouchaib Zewail City of Science and Technology Port Said University	3
Hou, P. Wang, F. Luo, B. Li, A. Wang, C. Shabala, L. Ahmed, H.A.I. Deng, S. Zhang, H. Song, P. Zhang, Y. Shabala, S. Chen, L.	https://www.scopus.com/record/display.url?eid=2-s2.0-85101329536&origin=resultslist	10.3390/plants10030436	Article	Gold Green	2-s2.0-85101329536	-	Beijing Academy of Agriculture and Forestry Sciences Huazhong Agricultural University University of Tasmania Yangzhou University Foshan University Port Said University Chinese Academy of Forestry	7
Elminshawy, N.A.S. Osama, A. El-Damhogi, D.G. Oterkus, E. Mohamed, A.M.I.	https://www.scopus.com/record/display.url?eid=2-s2.0-85119325714&origin=resultslist	10.1016/j.solener.2021.11.020	Article		2-s2.0-85119325714	-	University of Strathclyde Port Said University	2
Elhenawy, Y. Moustafa, G.H. Attia, A.M. Mansi, A.E. Majozi, T. Bassyouni, M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85141848777&origin=resultslist	10.1016/j.jece.2022.108855	Article		2-s2.0-85141848777	-	The British University in Egypt University of the Witwatersrand Port Said University	3
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Elgarahy, A.M. Priya, A.K. Mostafa, H.Y. Zaki, E.G. Etsaeed, S.M. Muruganandam, M. Elwakeel, K.Z.	https://www.scopus.com/record/display.url?eid=2-s2.0-85171831540&origin=resultslist	10.1016/j.jece.2023.110993	Article		2-s2.0-85171831540	-	Egyptian Petroleum Research Institute University of Jeddah ICAR - Indian Institute of Soil and Water Conservation Port Said University Egyptian Propylene & Polypropylene Company	5
Elgarahy, A.M. Eloffy, M.G. Hammad, A. Saber, A.N. El-Sherif, D.M. Mohsen, A. Abouzid, M. Elwakeel, K.Z.	https://www.scopus.com/record/display.url?eid=2-s2.0-85136583562&origin=resultslist	10.1007/s10311-022-01480-3	Review		2-s2.0-85136583562	-	University of Jeddah University of Medical Sciences Poznan National Institute of Oceanography and Fisheries Port Said University Egyptian Propylene & Polypropylene Company Agricultural Research Center, Giza	6
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El-Bagoury, H. Gad, A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85183323931&origin=resultslist	10.3390/w16020356	Article	Gold	2-s2.0-85183323931	-	Ain Shams University United Arab Emirates University Port Said University	3
Elgarahy, A.M. Eloffy, M.G. Priya, A.K. Yogeshwaran, V. Elwakeel, K.Z. Yang, Z. Lopez-Maldonado, E.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85194372742&origin=resultslist	10.1016/j.cherd.2024.05.027	Article		2-s2.0-85194372742	-	Universidad Autonoma de Baja California University of Jeddah Nanjing Normal University National Institute of Oceanography and Fisheries Port Said University Egyptian Propylene & Polypropylene Company	6
Atta, M.H.R. Zoromba, M.A. El-Gazar, H.E. Loutfy, A. Elsheikh, M.A. El-ayari, O.S.M. Sehsah, I. Elzohairy, N.W.	https://www.scopus.com/record/display.url?eid=2-s2.0-85185674451&origin=resultslist	10.1186/s12912-024-01788-1	Article	Gold Green	2-s2.0-85185674451	-	Modern University for Technology and Information Mansoura University Prince Sattam Bin Abdulaziz University Cairo University Beni-Suef University University of Fujairah Kafrelsheikh University Alexandria University Port Said University Damanhour University	10
Maged, A. El-Fattah, H.A. Kamel, R.M. Kharbush, S. Elgarahy, A.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85159769957&origin=resultslist	10.1007/s10661-023-11303-9	Article	Hybrid gold Green	2-s2.0-85159769957	37204517	Suez University Port Said University Egyptian Propylene & Polypropylene Company	3
Abd-Elaty, I. Pugliese, L. Bali, K.M. Grismer, M.E. Eltarabily, M.G.	https://www.scopus.com/record/display.url?eid=2-s2.0-85123711145&origin=resultslist	10.1002/hyp.14466	Article		2-s2.0-85123711145	-	University of California Division of Agriculture and Natural Resources Aarhus University Zagazig University Port Said University University of California at Davis	5
Shahda, M.M. Megahed, N.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85136915162&origin=resultslist	10.1080/17452007.2022.2109123	Review		2-s2.0-85136915162	-	Port Said University	1
Naeem, M.M. Al-Sakkari, E.G. Boffito, D.C. Rene, E.R. Gadalla, M.A. Ashour, F.H.	https://www.scopus.com/record/display.url?eid=2-s2.0-85147594303&origin=resultslist	10.1016/j.fuel.2023.127587	Article		2-s2.0-85147594303	-	The British University in Egypt IHE Delft Institute for Water Education Cairo University University of Montreal Polytechnique Montreal Port Said University	6
Hammad, A. Anzai, A. Zhu, X. Yamamoto, A. Ootsuki, D. Yoshida, T. EL-Shazly, A. Elkady, M. Yoshida, H.	https://www.scopus.com/record/display.url?eid=2-s2.0-85075791148&origin=resultslist	10.1007/s10562-019-02997-z	Article		2-s2.0-85075791148	-	Egypt-Japan University of Science and Technology Kyoto University Port Said University	3
Elhenawy, Y. Bassyouni, M. Fouad, K. Sandid, A.M. Abu-Zeid, M.A.E.-R. Majozi, T.	https://www.scopus.com/record/display.url?eid=2-s2.0-85162152883&origin=resultslist	10.1016/j.renene.2023.118915	Article		2-s2.0-85162152883	-	Suez Canal University Université d'ain Témouchent, Belhadj Bouchaib University of the Witwatersrand Port Said University	4
Elhenawy, Y. Fouad, K. Bassyouni, M. Al-Qabandi, O.A. Majozi, T.	https://www.scopus.com/record/display.url?eid=2-s2.0-85189754144&origin=resultslist	10.1016/j.ecmx.2024.100583	Article	Gold	2-s2.0-85189754144	-	American University of the Middle East University of the Witwatersrand Port Said University	3
Gamal, A. Eleinen, O.A. Eltarabily, S. Elgheznavy, D.	https://www.scopus.com/record/display.url?eid=2-s2.0-85177549941&origin=resultslist	10.1016/j.foar.2023.09.003	Review	Gold	2-s2.0-85177549941	-	Port Said University	1
Mukhtar, S. Muhammad, S. Alyousef, H.A. Khan, W. Shah, R. El-Tantawy, S.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85200642053&origin=resultslist	10.1016/j.heliyon.2024.e35182	Article	Gold Green	2-s2.0-85200642053	-	Abdul Wali Khan University Mardan King Faisal University Lebanese American University Princess Nourah Bint Abdulrahman University Port Said University Al Baha University	6

Eltarabily, M.G. Abd-Elaty, I. Elbeltagi, A. Zelenáková, M. Fathy, I.	https://www.scopus.com/record/display.url?eid=2-s2.0-85147844985&origin=resultslist	10.3390/w15030572	Article	Gold Green	2-s2.0-85147844985	-	Mansoura University Technical University of Kosice Zagazig University Port Said University University of California at Davis	5
Eltarabily, M.G. Moghazy, H.E.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85105058851&origin=resultslist	10.1007/s10661-021-09058-2	Article		2-s2.0-85105058851	33905038	University of California Division of Agriculture and Natural Resources Alexandria University Port Said University	3
Elbeltagi, E. Wefki, H. Khallaf, R.	https://www.scopus.com/record/display.url?eid=2-s2.0-85146449235&origin=resultslist	10.3390/buildings13010074	Article	Gold Green	2-s2.0-85146449235	-	Mansoura University Future University in Egypt Port Said University	3
Atta, M.H.R. Zoromba, M.A. Asal, M.G.R. AbdELhay, E.S. Hendy, A. Sayed, M.A. Elmonem, H.H.A. El-ayari, O.S.M. Sehsah, I. AbdELhay, I.S. Rahman, A.A.A.O.A. Balha, S.M.I. Taha, H.M.A. Shehata, H.S. Othman, A.A. Mohamed, A.Z. Abdelrahman, M.M. Ibrahim, N.M.I. Hassan, E.H.M. El-fatah, H.A.M.A. Ali, A.A.M. Elsmatosy, M.F.A. Machaly, E.R. Ghoneam, M.A. Ali, A.F.Z. Elfar, M.N.A. El-Sayed, A.A.I. Mahmoud, M.F.H. Hassan, E.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85204870319&origin=resultslist	10.1186/s12912-024-02315-y	Article	Gold Green	2-s2.0-85204870319	-	South Valley University Matrouh University Suez Canal University Tanta University Zagazig University Minia University Damahour University Helwan University Ain Shams University Modern University for Technology and Information Al-Fayoum University Mansoura University Menoufia University Beni-Suef University Kafrelsheikh University Alexandria University Port Said University Sohag University	18
Elhenawy, Y. Fouad, K. Mansi, A. Bassyouni, M. Gadalla, M. Ashour, F. Majozi, T.	https://www.scopus.com/record/display.url?eid=2-s2.0-85190106936&origin=resultslist	10.1007/s10973-024-12987-y	Article	Hybrid gold	2-s2.0-85190106936	-	Cairo University University of the Witwatersrand Port Said University	3
Etbaksawi, O. Elminshawy, N.A.S. Diab, S. Eltamaly, A.M. Mahmoud, A. Elhadidy, H.	https://www.scopus.com/record/display.url?eid=2-s2.0-85189042685&origin=resultslist	10.1016/j.psep.2024.03.082	Article		2-s2.0-85189042685	-	King Saud University Port Said University	2
Sherif, N. Gadalla, M. Kamel, D.	https://www.scopus.com/record/display.url?eid=2-s2.0-85112302496&origin=resultslist	10.1016/j.sajce.2021.08.002	Article	Gold	2-s2.0-85112302496	-	The British University in Egypt Port Said University	2
Hassan, A.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85178365158&origin=resultslist	10.3390/buildings13112796	Review	Gold	2-s2.0-85178365158	-	Buraydah Private Colleges Port Said University	2
Eshra, N.M. Amin, I.	https://www.scopus.com/record/display.url?eid=2-s2.0-85091905888&origin=resultslist	10.1109/ICECE49384.2020.9179476	Conference Paper		2-s2.0-85091905888	-	National Water Research Center Ministry of Water Resources & Irrigation Port Said University	3
Meng, J. Abed, A.M. Elsehrawy, M.G. Al Agha, A. Abdullah, N. Elattar, S. Abbas, M. AL Garalleh, H. Assilzadeh, H.	https://www.scopus.com/record/display.url?eid=2-s2.0-85193599897&origin=resultslist	10.1016/j.heliyon.2024.e31244	Article	Gold Green	2-s2.0-85193599897	-	Jilin Agricultural University Universidad Tecnológica Equinoccial Prince Sattam Bin Abdulaziz University University of Business and Technology Saveetha Institute of Medical and Technical Sciences (Deemed to be University) Princess Nourah Bint Abdulrahman University Al-Mustaqbal University College King Khalid University Duy Tan University Port Said University	10

Abousoliman, A.D. Ibrahim, A.M. Abualruz, H. Magdi, H.M. Zaghmir, D.E.F. Alhowimet, A. El-Monshed, A.H. El-Gazar, H.E. Zoromba, M.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85191791794&origin=resultslist	10.1186/s12912-024-01927-8	Article	Gold Green	2-s2.0-85191791794	-	Mansoura University Prince Sattam Bin Abdulaziz University Beni-Suef University Al-Zaytoonah University of Jordan Kafrelsheikh University Port Said University University of Bahrain	7
El-Qelish, M. El-Shafai, S.A. Azouz, R.A.M. Rashad, E. Elgarahy, A.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85182702080&origin=resultslist	10.1016/j.jece.2024.111914	Article		2-s2.0-85182702080	-	University of Sadat City National Research Center Alexandria University Port Said University Egyptian Propylene & Polypropylene Company	5
Priya, A.K. Alghamdi, H.M. Kavinkumar, V. Etwakeel, K.Z. Elgarahy, A.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85208553215&origin=resultslist	10.1016/j.ijbiomac.2024.136994	Review		2-s2.0-85208553215	39491712	University of Jeddah Port Said University Egyptian Propylene & Polypropylene Company	3
Aziz, H.A. Sharaf, M. Omar, M. El-Yazied, A.A. Aljwaizea, N.I. Ismail, S. Omar, M.M.A. Alharbi, K. Elkelish, A. Tawfik, M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85146249647&origin=resultslist	10.32604/phyton.2023.026769	Article	Gold	2-s2.0-85146249647	-	Ain Shams University Al-Imam Muhammad Ibn Saud Islamic University Suez Canal University Ocean University of China Al-Azhar University Princess Nourah Bint Abdulrahman University Port Said University	7
Elgarahy, A.M. Hammad, A. Shehata, M. Ayyad, A. El-Qelish, M. Elwakeel, K.Z. Maged, A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85189877732&origin=resultslist	10.1007/s11356-024-32864-3	Review		2-s2.0-85189877732	38592635	Suez University Johannes Kepler University Linz University of Jeddah National Research Center Western University Port Said University Egyptian Propylene & Polypropylene Company	7
Ayyad, A. Abbas, A. Elminshawy, N.	https://www.scopus.com/record/display.url?eid=2-s2.0-85138793797&origin=resultslist	10.1007/s43621-021-00018-x	Article	Gold	2-s2.0-85138793797	-	The British University in Egypt Port Said University	2
Elmetwaly, A.H. Eldesouky, A.A. Fekry, H.M. Younis, R.A. Barnawi, A.B. Elbarbary, Z.M.S. Salem, A.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85169704544&origin=resultslist	10.1109/ACCESS.2023.3311369	Article	Gold	2-s2.0-85169704544	-	El Shorouk Academy Suez Canal University King Khalid University Port Said University Egyptian Propylene & Polypropylene Company	5
Selim, T. Moghazy, N.H. Elasbah, R. Elkiki, M. Eltarabily, M.G.	https://www.scopus.com/record/display.url?eid=2-s2.0-85152286616&origin=resultslist	10.1007/s10668-023-03230-z	Article		2-s2.0-85152286616	-	Alexandria University Port Said University University of California at Davis	3
Elba, H. Hegazy, H. Zhang, J. Mahdi, I.M. Abdel Rashid, I. Hassan, H.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85196147339&origin=resultslist	10.1007/s41062-024-01578-3	Article		2-s2.0-85196147339	-	Ain Shams University Purdue University Future University in Egypt Port Said University	4
Dosoky, M.Y.A. Ahmed, M.I. Madkour, F.F. Hanafy, M.H.	https://www.scopus.com/record/display.url?eid=2-s2.0-85118377010&origin=resultslist	10.21608/ejabf.2021.196904	Article	Gold	2-s2.0-85118377010	-	Suez Canal University Port Said University	2
Hassan, A.M. Megahed, N.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85146698821&origin=resultslist	10.23968/2500-0055-2022-7-4-17-35	Article	Gold	2-s2.0-85146698821	-	Port Said University	1
Yakoub, W.A. Eleinen, O.M.A. Mahmoud, M.F. Elrayies, G.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85105811517&origin=resultslist	10.18280/IJSDP.160206	Article	Bronze	2-s2.0-85105811517	-	Suez Canal University Port Said University	2
Kulikova, Y. Ilinykh, G. Sliusar, N. Babich, O. Bassyouni, M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85197562908&origin=resultslist	10.1016/j.ecmx.2024.100647	Article	Gold	2-s2.0-85197562908	-	Perm National Research Polytechnic University Port Said University	2

Elsakka, M.M. Refaat, A. Alzahrani, K.M. Hee, J.L. Ma, L. Ethenawy, Y. Majazi, T. Yosry, A.G. Amer, A. Moustafa, G.H. Ahmed, A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85205918489&origin=resultslist	10.1016/j.energy.2024.133296	Article		2-s2.0-85205918489	-	University of the Witwatersrand Port Said University University of Sheffield Taif University	4
Makram, M. Bassam, A.M. Tawfik, A.A. Yehia, W.	https://www.scopus.com/record/display.url?eid=2-s2.0-85194177973&origin=resultslist	10.1007/s11804-024-00423-4	Article		2-s2.0-85194177973	-	Port Said University	1
Ismaeil, E.M.H. Sobaih, A.E.E.	https://www.scopus.com/record/display.url?eid=2-s2.0-85160610723&origin=resultslist	10.3390/buildings13051110	Article	Gold Green	2-s2.0-85160610723	-	King Faisal University Port Said University Helwan University	3
Gad, H.M. Salman, A.M. Farag, T.M. Ibrahim, I.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85167982011&origin=resultslist	10.1016/j.rineng.2023.101359	Article	Gold	2-s2.0-85167982011	-	Port Said University	1
Gadalla, M.A. Mazen, O.M. Aboul-Fotouh, T.M. Ashour, F.H. Elazab, H.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85102969105&origin=resultslist	10.2174/2210681210666200219112202	Article		2-s2.0-85102969105	-	The British University in Egypt Cairo University Al-Azhar University Port Said University	4
Moharam, A.J. Beheary, M.S. Satama, A.M. Abdel-Azeem, A.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85167091247&origin=resultslist	10.21608/MB.2023.305659	Review	Gold	2-s2.0-85167091247	-	Suez Canal University Port Said University University of The Free State	3
Ibrahim, I.A. Elzallat, A.M. Elsakka, M.M. Farag, T.M. Gad, H.M.	https://www.scopus.com/record/display.url?eid=2-s2.0-85179100885&origin=resultslist	10.1016/j.applthermaleng.2023.121996	Article		2-s2.0-85179100885	-	Port Said University	1
Ashry, N. Attia, R. Nashaat, H. Rizk, R.	https://www.scopus.com/record/display.url?eid=2-s2.0-85172411788&origin=resultslist	10.1007/978-3-031-43247-7_9	Conference Paper		2-s2.0-85172411788	-	Port Said University	1
Foda, T. Hassan, H.M. Abdelkader, A. el-Hassan, K.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85205966453&origin=resultslist	10.1007/s41062-024-01700-5	Article	Hybrid gold	2-s2.0-85205966453	-	Delta University for Science and Technology Port Said University	2
Ramadan, R. Hassan, E. El-Asser, M.A. Yahia, A. Gaber, A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85178150572&origin=resultslist	10.1007/978-3-031-40447-4_43	Chapter	Green	2-s2.0-85178150572	-	Ain Shams University National Authority for Remote Sensing and Space Sciences Oak Ridge National Laboratory United States Department of Energy Port Said University	5
Hanafy, M.H. Dosoky, M.Y.A. Mohamed, A.R.	https://www.scopus.com/record/display.url?eid=2-s2.0-85201856907&origin=resultslist	10.1201/9781003321392-6	Chapter		2-s2.0-85201856907	-	New York University NYU Abu Dhabi Port Said University	3
Gadalla, M.A. Ghallab, A. Mansour, A.M. Ashour, F.H. Elazab, H.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85134328327&origin=resultslist	10.2174/2405520415666211229123400	Article		2-s2.0-85134328327	-	The British University in Egypt Cairo University University of California at San Diego Port Said University	4
Gadalla, M.A. Elmasry, A. Alhajri, I. Ashour, F.H. Elazab, H.A.	https://www.scopus.com/record/display.url?eid=2-s2.0-85109182162&origin=resultslist	10.2174/1874123102115010001	Article	Gold	2-s2.0-85109182162	-	The British University in Egypt Cairo University Port Said University	3
Alazmi, R.H. Gadalla, M. Wang, B. Shahin, M. Elazab, H.A. Majazi, T. Ashour, F.	https://www.scopus.com/record/display.url?eid=2-s2.0-85204627866&origin=resultslist	10.1016/j.tsep.2024.102913	Article		2-s2.0-85204627866	-	Cairo University Missouri University of Science and Technology The Public Authority of Applied Education and Training University of the Witwatersrand Zhejiang Ocean University Port Said University	6

Title	Scopus Affiliation IDs	Scopus Affiliation names	Scopus Author ID First Author	Scopus Author ID Last Author	Scopus Author ID Corresponding Author	Scopus Author ID Single Author	Country/Region
Hydrogen production, storage, utilisation and environmental impacts: a review	60029738 60274043 60108617 60092747 60025858 60018623 60018830 60071768	Queen's University Belfast Faculty of Science Port Said University Egyptian Propylene and Polypropylene Company ETH Zürich South Valley University Faculty of Science Sultan Qaboos University	5.54E+10	7.01E+09	55362658600 39761537200 57117662400	-	United Kingdom Oman Egypt Switzerland
Recent advances in carbon capture storage and utilisation technologies: a review	60029738 60025858 60018623 60018830 60009353 60012577 60092747 60274043 60108617	Queen's University Belfast ETH Zürich South Valley University Faculty of Science Egyptian Atomic Energy Authority National Center for Radiation Research and Technology Egyptian Propylene and Polypropylene Company Faculty of Science Port Said University	5.54E+10	7.01E+09	5.54E+10	-	United Kingdom Egypt Switzerland
Conversion of biomass to biofuels and life cycle assessment: a review	60029738 60108617 60274043 60092747 60071768	Queen's University Belfast Port Said University Faculty of Science Egyptian Propylene and Polypropylene Company Sultan Qaboos University	5.54E+10	7.01E+09	55362658600 39761537200 57117662400	-	United Kingdom Oman Egypt
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	60029738 60000402 60000617 60273147 60197146 60072749 60197145 60274043 60108617 60092747 60009353 60012577 60072795 60274955 60004871 128079878 60010177 60013959	Queen's University Belfast Obihiro University of Agriculture and Veterinary Medicine Assiut University Faculty of Veterinary Medicine Department of Chemistry and Earth Sciences, College of Arts and Sciences, Qatar University Qatar University College of Arts and Sciences, Qatar University Faculty of Science Port Said University Egyptian Propylene and Polypropylene Company Egyptian Atomic Energy Authority National Center for Radiation Research and Technology Taiz University Faculty of Engineering Al-Azhar University Cemart for Building Materials and Insulation University of Florida Institute of Food and Agricultural Sciences University of Florida	5.54E+10	7.01E+09	5.54E+10	-	Qatar United Kingdom Egypt Japan United States Yemen
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	60029738 60011418 60000617 60273147 60092747 60108617 60274043 129212846 60019702 60078640 60033041 60004238 60005880 60019332 60274337 60102426	Queen's University Belfast Kobe University Assiut University Faculty of Veterinary Medicine Egyptian Propylene and Polypropylene Company Port Said University Faculty of Science Egyptian Methanex Methanol Company (EMethanex) University of Birmingham Ming Chi University of Technology Alexandria University Faculty of Science Imam Mohammad Ibn Saud Islamic University Agricultural Research Center Soil, Water and Environment Research Institute (SWERI) Xi'an Jiaotong-Liverpool University	5.54E+10	7.01E+09	55362658600 36140024400	-	Taiwan United Kingdom China Egypt Japan Saudi Arabia
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	60029738 60024451 60011418 60273147 60000617 60092747 60108617 60274043 60274042 60013183 60102426	Queen's University Belfast Universiti Malaysia Sarawak Kobe University Faculty of Veterinary Medicine Assiut University Egyptian Propylene and Polypropylene Company Port Said University Faculty of Science Faculty of Engineering- Port Said University King Saud University Xi'an Jiaotong-Liverpool University	5.54E+10	3.61E+10	55362658600 56223568100 36140024400	-	United Kingdom China Egypt Japan Saudi Arabia Malaysia
Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions	60023356 60273194 60016218 60079227 60108617 60274042	The British University in Egypt Faculty of Energy & Environmental Engineering University of the Witwatersrand, Johannesburg School of Chemical and Metallurgical Engineering Port Said University Faculty of Engineering- Port Said University	5.72E+10	5.72E+10	5.72E+10	-	Egypt South Africa
Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems	60104126 60216388 60107271 60216392 60007087 60274042 60108617	Jouf University Faculty of Energy Engineering Aswan University Faculty of Engineering Universidad Técnica Federico Santa María Faculty of Engineering- Port Said University Port Said University	5.82E+10	5.72E+10	5.91E+10	-	Chile Egypt Saudi Arabia
Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation	60029738 60274043 60108617 60092747 60071768 60013183	Queen's University Belfast Faculty of Science Port Said University Egyptian Propylene and Polypropylene Company Sultan Qaboos University King Saud University	5.54E+10	7.01E+09	5.54E+10	-	United Kingdom Egypt Oman Saudi Arabia
Facies analysis and sequence-stratigraphic control on reservoir architecture:	60108617 60274043 113919375 60026553 60010348 60021361	Port Said University Faculty of Science Gulf of Suez Petroleum Company University of Melbourne Universitetet i Oslo Uniwersytet Jagielloński	5.72E+10	5.67E+10	5.67E+10	-	Norway Egypt Poland Australia

Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt								
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	60030271 60274043 60108617 60092747 60019332 60110414 60274042 114372907 60108699	National Institute of Oceanography and Fisheries Faculty of Science Port Said University Egyptian Propylene and Polypropylene Company Agricultural Research Center Central Agricultural Pesticides Laboratory Faculty of Engineering- Port Said University United Gas Derivative Company University of Jeddah	5.59E+10	9.43E+09	5.72E+10	-	Egypt Saudi Arabia	
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+10	5.72E+10	5.72E+10	-	Algeria Egypt	
Antioxidant enzymatic activity and osmotic adjustment as components of the drought tolerance mechanism in carex duriuscula	60102081 60103570 60015356 60007381 60001604 60008576 60274043 60108617 60013805 60032955	Beijing Academy of Agriculture and Forestry Sciences Tasmanian Institute of Agriculture University of Tasmania Yangzhou University Ministry of Education of the People's Republic of China Foshan University Faculty of Science Port Said University Chinese Academy of Forestry Huazhong Agricultural University	3.56E+10	5.72E+10	55924154000 57154967100	-	China Egypt Australia	
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+10	5.72E+10	5.65E+10	-	United Kingdom Egypt	
Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination	60108617 60274042 60079227 60016218 60273423 60023356 60273194	Port Said University Faculty of Engineering- Port Said University School of Chemical and Metallurgical Engineering University of the Witwatersrand, Johannesburg Faculty of Engineering The British University in Egypt Faculty of Energy & Environmental Engineering	5.72E+10	5.72E+10	5.72E+10	-	Egypt South Africa	
Performance enhancement of flat-plate and parabolic trough solar collector using nanofluid for water heating application	60239219 60020322 60108617 60274042 60079227 60016218 114464338 60105846	Faculty of Agriculture Suez Canal University Port Said University Faculty of Engineering- Port Said University School of Chemical and Metallurgical Engineering University of the Witwatersrand, Johannesburg Universidad de Oradea American University of the Middle East	5.64E+10	5.72E+10	57193261423 55963977100	-	Egypt South Africa Kuwait Romania	
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	60092747 60108617 60274043 60108640 60099697 60015541 60108699	Egyptian Propylene and Polypropylene Company Port Said University Faculty of Science KPR Institute of Engineering and Technology ICAR - Indian Institute of Soil and Water Conservation, Dehradun Egyptian Petroleum Research Institute University of Jeddah	5.72E+10	9.43E+09	57192696143 57226315795	-	India Egypt Saudi Arabia	
Hydrogen production from wastewater, storage, economy, governance and applications: a review	60108617 60274043 60092747 60030271 60274042 60019332 60110414 114372907 60069010 60108699	Port Said University Faculty of Science Egyptian Propylene and Polypropylene Company National Institute of Oceanography and Fisheries Faculty of Engineering- Port Said University Agricultural Research Center Central Agricultural Pesticides Laboratory United Gas Derivative Company Poznan University of Medical Sciences University of Jeddah	5.72E+10	9.43E+09	57192696143 55919580700 57200181654 54954871200 57307212500 57859732100 9433357000	-	Egypt Saudi Arabia Poland	
An energy-economic analysis of a hybrid PV/wind/battery energy-driven hydrogen generation system in rural regions of Egypt	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	5.65E+10	5.72E+10	5.65E+10	-	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	5.65E+10	8.35E+09	5.65E+10	-	United Kingdom Egypt	
A technical and economic evaluation of floating photovoltaic systems in the context of the water-energy nexus	60274042 60108617 60010146 60024724	Faculty of Engineering- Port Said University Port Said University Università degli Studi di Catania University of Strathclyde	5.65E+10	5.92E+10	5.65E+10	-	United Kingdom Egypt Italy	
Exploring the potential of sheep wool as an eco-friendly insulation material: A	60274042	Faculty of Engineering- Port Said University	5.82E+10	5.72E+10	5.82E+10	-	Egypt	

comprehensive review and analytical ranking								
Integrated Hydrological Modeling for Watershed Analysis, Flood Prediction, and Mitigation Using Meteorological and Morphometric Data, SCS-CN, HEC-HMS/RAS, and QGIS	60108617 60274079 60008665 60216969 60016618	Port Said University Faculty of Arts United Arab Emirates University College of Science Ain Shams University	5.72E+10	5.72E+10	5.72E+10	-		United Arab Emirates Egypt
A review on the synergistic efficacy of sonication-assisted water treatment process with special attention given to microplastics	60092747 60108617 60274043 60030271 60108640 60103989 60108699 60020258 60005618	Egyptian Propylene and Polypropylene Company Port Said University Faculty of Science National Institute of Oceanography and Fisheries KPR Institute of Engineering and Technology Sri Krishna College of Engineering and Technology Coimbatore University of Jeddah Nanjing Normal University Universidad Autónoma de Baja California	5.72E+10	5.63E+10	9.43E+09	-		India China Mexico Egypt Saudi Arabia
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	60033041 60274388 60105222 60012022 60231642 60274075 60108617 60113256 60218509 60007948 60243178 60010294 60227471 60025733 60274238 60274268 60105346	Alexandria University Faculty of Nursing Prince Sattam Bin Abdulaziz University Mansoura University Faculty of Nursing Faculty of Nursing Port Said University University of Fujairah Faculty of Nursing Beni-Suef University Faculty of Nursing Cairo University Faculty of Nursing Kafrelsheikh University Modern University for Technology and Information Faculty of Nursing Damanhour University	5.93E+10	5.82E+10	5.93E+10	-		United Arab Emirates Egypt Saudi Arabia
A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook	60274485 60104710 60092747 60274043 60108617	Faculty of Science Suez University Egyptian Propylene and Polypropylene Company Faculty of Science Port Said University	5.72E+10	5.72E+10	5.72E+10	-		Egypt
Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta, Egypt	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	5.72E+10	5.7E+10	5.7E+10	-		Egypt United States Denmark
Post-pandemic architecture: a critical review of the expected feasibility of skyscraper-integrated vertical farming (SIVF)	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	5.72E+10	5.59E+10	5.72E+10	-		Egypt
Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis	60273423 60023356 60002575 60010294 60019141 60022091 60108617 60274042	Faculty of Engineering The British University in Egypt Faculty of Engineering Cairo University Polytechnique Montréal IHE Delft Institute for Water Education Port Said University Faculty of Engineering- Port Said University	5.72E+10	5.78E+10	5.72E+10	-		Egypt Netherlands Canada
Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water	60273876 60117075 60274042 60108617 60011001	Faculty of Engineering Egypt-Japan University of Science and Technology Faculty of Engineering- Port Said University Port Said University Kyoto University	5.72E+10	5.55E+10	5.55E+10	-		Japan Egypt
Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system	60079227 60016218 60108617 60274042 121850477 60105463 60239219 60020322	School of Chemical and Metallurgical Engineering University of the Witwatersrand, Johannesburg Port Said University Faculty of Engineering- Port Said University Higher Future Institute of Engineering and Technology Université d'ain Témouchent, Belhadj Bouchaib Faculty of Agriculture Suez Canal University	5.72E+10	5.6E+10	57194448020 57193261423	-		Algeria Egypt South Africa
Yield and energy outputs analysis of sawdust biomass pyrolysis	60016218 60079227 60274042 60108617 121850477 60105846	University of the Witwatersrand, Johannesburg School of Chemical and Metallurgical Engineering Faculty of Engineering- Port Said University Port Said University Higher Future Institute of Engineering and Technology American University of the Middle East	5.72E+10	5.6E+10	5.72E+10	-		Egypt South Africa Kuwait
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical greening systems (VGS)	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	5.87E+10	5.72E+10	5.87E+10	-		Egypt

Enviro-economic and optimal hybrid energy system: Photovoltaic-biogas-hydro-battery system in rural areas of Pakistan	60030736 60107589 60105146 60068769 60274043 60108617 60104698	King Faisal University Abdul Wali Khan University Mardan Princess Nourah Bint Abdulrahman University Lebanese American University Faculty of Science Port Said University Al Baha University	2.66E+10	3.61E+10	2.66E+10	-	Lebanon Egypt Saudi Arabia Pakistan
Investigating Climate Change Effects on Evapotranspiration and Groundwater Recharge of the Nile Delta Aquifer, Egypt	60014439 60274042 60108617 60003593 60274154 60231664 60012022 60026260	University of California, Davis Faculty of Engineering- Port Said University Port Said University Zagazig University Faculty of Engineering Faculty of Agriculture Mansoura University Technická Univerzita v Košiciach	5.7E+10	5.72E+10	3.52E+10	-	Egypt United States Slovakia
GIS-based evaluation and statistical determination of groundwater geochemistry for potential irrigation use in El Moghra, Egypt	60108617 60274042 60008493 60008708 60033041	Port Said University Faculty of Engineering- Port Said University University of California Kearney Agricultural Research and Extension Center Faculty of Engineering Alexandria University	5.7E+10	2.47E+10	5.7E+10	-	Egypt United States
Sustainable Building Optimization Model for Early-Stage Design	60012022 60231617 60108617 60002744 60273396	Mansoura University Faculty of Engineering Port Said University Future University in Egypt Faculty of Engineering & Technology	6.6E+09	5.72E+10	5.72E+10	-	Egypt
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	60033041 60012022 60231642 60274388 60016618 60217117 60027423 113673375 60025733 60227471 60274238 60274268 60009750 60221126 60011568 131723041 60023291 60014101 60239407 60020322 60274075 60108617 60029258 60018623 60159900 60007948 60003593 60105346 60273275	Alexandria University Mansoura University Faculty of Nursing Faculty of Nursing Ain Shams University College of Nursing Fayoum University Pediatric Nursing Kafrelsheikh University Faculty of Nursing Modern University for Technology and Information Faculty of Nursing Minia University Faculty of Nursing Tanta University Nursing Administration Department University Menoufia University Sohag University Faculty of Nursing Suez Canal University Faculty of Nursing Port Said University Helwan University South Valley University Matrouh University Beni-Suef University Zagazig University Damanhour University Faculty of Nursing	5.93E+10	5.72E+10	5.93E+10	-	Egypt
Experimental analysis and numerical simulation of biomass pyrolysis	60079227 60016218 60108617 60274042 121850477 60010294	School of Chemical and Metallurgical Engineering University of the Witwatersrand, Johannesburg Port Said University Faculty of Engineering- Port Said University Higher Future Institute of Engineering and Technology Cairo University	5.72E+10	5.6E+10	57194448020 55961235600	-	Egypt South Africa
Innovative metaheuristic algorithm with comparative analysis of MPPT for 5.5 kW floating photovoltaic system	60274042 60108617 60013183	Faculty of Engineering- Port Said University Port Said University King Saud University	5.72E+10	5.6E+10	5.65E+10	-	Egypt Saudi Arabia
Acid-hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation	60273423 60023356 60108617 60274042	Faculty of Engineering The British University in Egypt Port Said University Faculty of Engineering- Port Said University	5.75E+10	5.59E+10	5.59E+10	-	Egypt
Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters	60274638 60274042 60108617	Buraydah Private Colleges Faculty of Engineering- Port Said University Port Said University	-	-	5.72E+10	5.72E+10	Egypt Saudi Arabia
Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas	60280981 60013119 60108617 60274042	Nile Research Institute (NRI) National Water Research Center (NWRC) Port Said University Faculty of Engineering- Port Said University	3.69E+10	5.72E+10	-	-	Egypt
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	60083913 60108639 60105222 60274075 60108617 60122462 60105146 60027741 60108339 60111656 60109606 60109334	Jilin Agricultural University Al-Mustaqbal University Prince Sattam Bin Abdulaziz University Faculty of Nursing Port Said University University of Business and Technology Princess Nourah Bint Abdulrahman University King Khalid University Universidad UTE Duy Tan University Saveetha Institute of Medical and Technical Sciences Saveetha Dental College And Hospitals	5.91E+10	5.72E+10	57716714900 57742510900 57210997748	-	India Iraq China Ecuador Egypt Saudi Arabia Viet Nam
Exploring the relationship between nursing students' knowledge and attitudes towards climate change and their psychological distress: a cross-national investigation	60105222 60025733 60227471 60108617 60274075 60067411 60007948 60218509 60231642 60012022 60000237	Prince Sattam Bin Abdulaziz University Kafrelsheikh University Faculty of Nursing Port Said University Faculty of Nursing Al-Zaytoonah University of Jordan Beni-Suef University Faculty of Nursing Faculty of Nursing Mansoura University University of Bahrain	5.77E+10	5.72E+10	5.72E+10	-	Egypt Bahrain Saudi Arabia Jordan
From seashells to sustainable energy: Trailblazing the utilization of Anadara	60014618 60108625 60004238 60033041 60274043 60108617 60092747	National Research Centre University of Sadat City Faculty of Science Alexandria University Faculty of Science Port Said University Egyptian Propylene and Polypropylene Company	4.74E+10	5.72E+10	5.72E+10	-	Egypt

uropigmelana shells for sustainable biohydrogen production from leftover cooking oil								
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	60108640 60108699 60274043 60108617 60092747	KPR Institute of Engineering and Technology University of Jeddah Faculty of Science Port Said University Egyptian Propylene and Polypropylene Company	5.72E+10	5.72E+10	57226315795 57192696143	-	India Egypt Saudi Arabia	
Improvement of Selected Morphological, Physiological, and Biochemical Parameters of Banana (Musa acuminata L.) Using Potassium Silicate under Drought Stress Condition Grown in vitro	60274976 60022422 60217062 60105146 60216969 60005880 60239261 60274043	Faculty of Agriculture Ocean University of China College of Agriculture Princess Nourah Bint Abdulrahman University College of Science Imam Mohammad Ibn Saud Islamic University Faculty of Science Faculty of Science	5.78E+10	5.78E+10	5.72E+10	-	China Egypt Saudi Arabia	
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	60108617 60274043 60092747 60274042 129212846 60010884 60014618 60108699 60104710 60274485 60021931	Port Said University Faculty of Science Egyptian Propylene and Polypropylene Company Faculty of Engineering- Port Said University Egyptian Methanex Methanol Company (EMethanex) Western University National Research Centre University of Jeddah Suez University Faculty of Science Johannes Kepler University Linz	5.72E+10	5.72E+10	9.43E+09	-	Austria Egypt Saudi Arabia Canada	
A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant	129405422 60273423 60023356 60108617 60274042	Egyptian Methanex Methanol Company (EMethanex) Faculty of Engineering The British University in Egypt Port Said University Faculty of Engineering- Port Said University	5.81E+10	5.65E+10	5.81E+10	-	Egypt	
Improving Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration	60026746 60274042 60108617 60092747 60027741 60239348 60020322	El Shorouk Academy Faculty of Engineering- Port Said University Port Said University Egyptian Propylene and Polypropylene Company King Khalid University Faculty of Engineering Suez Canal University	5.72E+10	5.72E+10	5.72E+10	-	Egypt Saudi Arabia	
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	60108617 60274042 60008708 60033041 113650246 60014439	Port Said University Faculty of Engineering- Port Said University Faculty of Engineering Alexandria University Higher Institute for Engineering and Technology University of California, Davis	4.87E+10	5.7E+10	5.7E+10	-	Egypt United States	
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	60108617 60017406 60009254 60002744 60273396 60016618 60216991	Port Said University Purdue Polytechnic Institute Purdue University Future University in Egypt Faculty of Engineering & Technology Ain Shams University Faculty of Engineering Ain Shams University	5.92E+10	3.62E+10	5.72E+10	-	Egypt United States	
Coral bleaching occurrence along the egyptian coast of the red sea during the summer heat stress period, 2020	60274043 60108617 60239261 60020322	Faculty of Science Port Said University Faculty of Science Suez Canal University	5.73E+10	1.58E+10	5.73E+10	-	Egypt	
IMPROVING URBAN ENERGY RESILIENCE WITH AN INTEGRATIVE FRAMEWORK BASED ON MACHINE LEARNING METHODS	60108617	Port Said University	5.72E+10	5.59E+10	5.72E+10	-	Egypt	
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	60108617 60274042 60239348 60020322	Port Said University Faculty of Engineering- Port Said University Faculty of Engineering Suez Canal University	5.72E+10	5.72E+10	5.72E+10	-	Egypt	
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	127433852 60023325 60108617 60274042	Institute of Living Systems Perm National Research Polytechnic University Port Said University Faculty of Engineering- Port Said University	5.8E+10	5.72E+10	5.8E+10	-	Egypt Russian Federation	
Techno-economic assessment of a novel wind-powered RO	60108617 60274042 60001881 60091164 60079227 60016218	Port Said University Faculty of Engineering- Port Said University The University of Sheffield Taif University School of Chemical and	5.72E+10	5.72E+10	5.72E+10	-	United Kingdom	

system with a compressed air energy storage for water desalination		Metallurgical Engineering University of the Witwatersrand, Johannesburg						Egypt Saudi Arabia South Africa
Assessment of Onshore Renewable Energy Power Supply for Ship's Emissions Reduction in Port Said West Port	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	5.91E+10	1.51E+10	5.91E+10	-		Egypt
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	60030736 60108617 60274042 60273335 60029258	King Faisal University Port Said University Faculty of Engineering- Port Said University Faculty of Tourism & Hotel Management Helwan University	5.77E+10	4.38E+10	57732309400 43762250600	-		Egypt Saudi Arabia
Gaseous fuel diffusion flame with low oxygen concentrations	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	5.72E+10	5.72E+10	5.72E+10	-		Egypt
Effect of using nanoparticle-based diesel fuel on enhancement of performance and emissions of diesel engines	60108617 60274042 60273423 60023356 60004871 60274955 60002575 60010294 60273442	Port Said University Faculty of Engineering- Port Said University Faculty of Engineering The British University in Egypt Al-Azhar University Faculty of Engineering Faculty of Engineering Cairo University Nanotechnology Research Center	1.4E+10	5.72E+10	14048292400 57197864132	-		Egypt
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	60108617 60274043 60239261 60020322 60015706	Port Said University Faculty of Science Faculty of Science Suez Canal University University of the Free State	5.85E+10	5.91E+10	5.85E+10	-		Egypt South Africa
Effect of atomizing gas type on kerosene spray combustion using gas-blast atomizer: A comparative numerical study	60108617 60274042	Port Said University Faculty of Engineering- Port Said University	5.72E+10	5.72E+10	5.72E+10	-		Egypt
CO2 Emission Mitigation in Container-Based Cloud Computing by the Power of Resource Management	60274042 60108617	Faculty of Engineering- Port Said University Port Said University	5.72E+10	2.66E+10	5.72E+10	-		Egypt
Predictive modeling of sustainable recycled materials for stone column construction	60170200 60273669 60108617 60274042	Delta University for Science and Technology Faculty of Engineering Port Said University Faculty of Engineering- Port Said University	5.82E+10	5.72E+10	5.82E+10	-		Egypt
Imaging the Future Threats of the Sand Dunes Along the Northwestern Coast of Nile Delta Using SAR	60103684 60024266 60216969 60016618 60108617	National Authority for Remote Sensing and Space Sciences Oak Ridge National Laboratory College of Science Ain Shams University Port Said University	5.87E+10	2.4E+10	5.87E+10	-		Egypt United States
Thermal history of coral reefs along the Egyptian coast of the Red Sea	129130773 60108617 60274043 60104576	68831Suez Canal University Port Said University Faculty of Science NYU Abu Dhabi	1.58E+10	5.72E+10	-	-		United Arab Emirates Egypt
New Efficient Configurations for Sour Wastewater Treatment	60274042 60108617 60023356 60273423 60010294 60002575 60273442 60121663 60030612	Faculty of Engineering- Port Said University Port Said University The British University in Egypt Faculty of Engineering Cairo University Faculty of Engineering Nanotechnology Research Center UC San Diego Jacobs School of Engineering University of California, San Diego	1.4E+10	5.72E+10	5.72E+10	-		Egypt United States
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle	60108617 60274042 60023356 60273423 100467224 60002575 60010294 60273442	Port Said University Faculty of Engineering- Port Said University The British University in Egypt Faculty of Engineering College of Technology Faculty of Engineering Cairo University Nanotechnology Research Center	1.4E+10	5.72E+10	5.72E+10	-		Egypt Kuwait
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	60069831 60043484 60274042 60108617 60016218 60028037 60002575 60010294 60146648 60024728	College of Technological Studies Kuwait The Public Authority of Applied Education and Training Faculty of Engineering- Port Said University Port Said University University of the Witwatersrand, Johannesburg Zhejiang Ocean University Faculty of Engineering Cairo University College of Engineering and Computing Missouri University of Science and Technology	3.57E+10	5.78E+10	5.72E+10	-		China Egypt United States South Africa Kuwait

Title	Number of Countries/Regions	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
Hydrogen production, storage, utilisation and environmental impacts: a review	4	2304	Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	249 424	Engineering - Petroleum Environmental Sciences	37
Recent advances in carbon capture storage and utilisation technologies: a review	3	2304	Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	424 249	Environmental Sciences Engineering - Petroleum	37
Conversion of biomass to biofuels and life cycle assessment: a review	3	2304	Environmental Chemistry	2 4	Engineering & Technology Natural Sciences	424 249	Environmental Sciences Engineering - Petroleum	37
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	6	2304	Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	249 424	Engineering - Petroleum Environmental Sciences	37
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	6	2304	Environmental Chemistry	2 4	Engineering & Technology Natural Sciences	249 424	Engineering - Petroleum Environmental Sciences	37
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	6	2304	Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	424 249	Environmental Sciences Engineering - Petroleum	37
Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions	2	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	3 2	Social Sciences & Management Engineering & Technology	249 221 424 212 425	Engineering - Petroleum Engineering - Electrical & Electronic Environmental Sciences Computer Science & Information Systems Geography	40 38 36 37
Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems	3	1700 2200 2500	General Computer Science General Engineering General Materials Science	2	Engineering & Technology	212 433	Computer Science & Information Systems Materials Science	36 38
Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation	4	1500 1600 2105 2304	General Chemical Engineering General Chemistry Renewable Energy, Sustainability and the Environment Environmental Chemistry	4 2	Natural Sciences Engineering & Technology	221 409 249 219 424	Engineering - Electrical & Electronic Chemistry Engineering - Petroleum Engineering - Chemical Environmental Sciences	37 36
Facies analysis and sequence-stratigraphic control on reservoir architecture: Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt	4	1905 1907 1908 1910 1913	Economic Geology Geology Geophysics Oceanography Stratigraphy	2 4	Engineering & Technology Natural Sciences	451 450 249 247 416	Geophysics Geology Engineering - Petroleum Engineering - Mineral & Mining Earth & Marine Sciences	37
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	2	1500 1600 2209 2304	General Chemical Engineering General Chemistry Industrial and Manufacturing Engineering Environmental Chemistry	2 4	Engineering & Technology Natural Sciences	249 222 219 424 409	Engineering - Petroleum Engineering - Mechanical Engineering - Chemical Environmental Sciences Chemistry	36 37
Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors	2	2102 2103 2104 2105	Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering	2	Engineering & Technology	249 221	Engineering - Petroleum Engineering - Electrical & Electronic	36

			Renewable Energy, Sustainability and the Environment					
Antioxidant enzymatic activity and osmotic adjustment as components of the drought tolerance mechanism in <i>Carex duriuscula</i>	3	1105 1110 2303	Ecology, Evolution, Behavior and Systematics Plant Science Ecology	5 4	Life Sciences & Medicine Natural Sciences	424 502	Environmental Sciences Agriculture & Forestry	32 37
Simulation and experimental performance analysis of partially floating PV system in windy conditions	2	2105 2500	Renewable Energy, Sustainability and the Environment General Materials Science	2	Engineering & Technology	433 221	Materials Science Engineering - Electrical & Electronic	36
Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination	2	1501 1508 2310 2311	Chemical Engineering (miscellaneous) Process Chemistry and Technology Pollution Waste Management and Disposal	3 2	Social Sciences & Management Engineering & Technology	424 219 249	Environmental Sciences Engineering - Chemical Engineering - Petroleum	36 37
Performance enhancement of flat-plate and parabolic trough solar collector using nanofluid for water heating application	4	2200	General Engineering	2	Engineering & Technology	-	-	36
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	3	1501 1508 2310 2311	Chemical Engineering (miscellaneous) Process Chemistry and Technology Pollution Waste Management and Disposal	2 3	Engineering & Technology Social Sciences & Management	424 249 219	Environmental Sciences Engineering - Petroleum Engineering - Chemical	37 36
Hydrogen production from wastewater, storage, economy, governance and applications: a review	3	2304	Environmental Chemistry	2 4	Engineering & Technology Natural Sciences	249 424	Engineering - Petroleum Environmental Sciences	37
An energy-economic analysis of a hybrid PV/wind/battery energy-driven hydrogen generation system in rural regions of Egypt	1	2102 2105 2208	Energy Engineering and Power Technology Renewable Energy, Sustainability and the Environment Electrical and Electronic Engineering	2	Engineering & Technology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36
Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface	2	2102 2103 2105 3104	Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment Condensed Matter Physics	4 2	Natural Sciences Engineering & Technology	439 221 249	Physics & Astronomy Engineering - Electrical & Electronic Engineering - Petroleum	37 36
A technical and economic evaluation of floating photovoltaic systems in the context of the water-energy nexus	3	2100 2102 2103 2105 2205 2208 2209 2210 2215 2308 2310 2611	General Energy Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment Civil and Structural Engineering Electrical and Electronic Engineering Industrial and Manufacturing Engineering Mechanical Engineering Building and Construction Management, Monitoring, Policy and Law Pollution Modeling and Simulation	3 4 2	Social Sciences & Management Natural Sciences Engineering & Technology	106 431 424 222 221 220 249	Architecture Mathematics Environmental Sciences Engineering - Mechanical Engineering - Electrical & Electronic Engineering - Civil & Structural Engineering - Petroleum	36 37
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	1	2105 2209 2311 2500	Renewable Energy, Sustainability and the Environment Industrial and Manufacturing Engineering Waste Management and Disposal General Materials Science	3 2	Social Sciences & Management Engineering & Technology	222 424 221 433	Engineering - Mechanical Environmental Sciences Engineering - Electrical & Electronic Materials Science	36 37
Integrated Hydrological Modeling for Watershed Analysis, Flood Prediction, and Mitigation Using Meteorological and Morphometric Data, SCS-CN, HEC-HMS/RAS, and QGIS	2	1104 1303 2312 3305	Aquatic Science Biochemistry Water Science and Technology Geography, Planning and Development	3 2 5	Social Sciences & Management Engineering & Technology Life Sciences & Medicine	502 507 424 425	Agriculture & Forestry Biological Sciences Environmental Sciences Geography	37 32 40

A review on the synergistic efficacy of sonication-assisted water treatment process with special attention given to microplastics	5	1500 1600	General Chemical Engineering General Chemistry	2 4	Engineering & Technology Natural Sciences	219 409	Engineering - Chemical Chemistry	36 37
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	3	2900	General Nursing	5	Life Sciences & Medicine	534	Nursing	34
A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook	1	2300 2308 2310	General Environmental Science Management, Monitoring, Policy and Law Pollution	3 2	Social Sciences & Management Engineering & Technology	424	Environmental Sciences	37
Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta, Egypt	3	2312	Water Science and Technology	2	Engineering & Technology	424	Environmental Sciences	37
Post-pandemic architecture: a critical review of the expected feasibility of skyscraper-integrated vertical farming (SIVF)	1	1400 2215 2216	General Business, Management and Accounting Building and Construction Architecture	3 2 1	Social Sciences & Management Engineering & Technology Arts & Humanities	106 220 308	Architecture Engineering - Civil & Structural Business & Management Studies	35 36 33
Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis	3	1500 1605 2102 2103	General Chemical Engineering Organic Chemistry Energy Engineering and Power Technology Fuel Technology	2 4	Engineering & Technology Natural Sciences	409 249 221 219	Chemistry Engineering - Petroleum Engineering - Electrical & Electronic Engineering - Chemical	36 37
Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water	2	1503 1600	Catalysis General Chemistry	2 4	Engineering & Technology Natural Sciences	409 249 219	Chemistry Engineering - Petroleum Engineering - Chemical	36 37
Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system	3	2105	Renewable Energy, Sustainability and the Environment	2	Engineering & Technology	221	Engineering - Electrical & Electronic	36
Yield and energy outputs analysis of sawdust biomass pyrolysis	3	2102 2103 2104 2105	Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment	2	Engineering & Technology	221 249	Engineering - Electrical & Electronic Engineering - Petroleum	36
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical greening systems (VGS)	1	2215 2216 3302 3322	Building and Construction Architecture Archeology Urban Studies	2 1 3	Engineering & Technology Arts & Humanities Social Sciences & Management	105 220 106	Archaeology Engineering - Civil & Structural Architecture	33 36 40
Enviro-economic and optimal hybrid energy system: Photovoltaic–biogas–hydro–battery system in rural areas of Pakistan	4	1000	Multidisciplinary	-	-	-	-	-
Investigating Climate Change Effects on Evapotranspiration and Groundwater Recharge of the Nile Delta Aquifer, Egypt	3	1104 1303 2312 3305	Aquatic Science Biochemistry Water Science and Technology Geography, Planning and Development	5 3 2	Life Sciences & Medicine Social Sciences & Management Engineering & Technology	425 424 507 502	Geography Environmental Sciences Biological Sciences Agriculture & Forestry	40 37 32
GIS-based evaluation and statistical determination of groundwater geochemistry for potential irrigation use in El Moghra, Egypt	2	2300 2308 2310	General Environmental Science Management, Monitoring, Policy and Law Pollution	2 3	Engineering & Technology Social Sciences & Management	424	Environmental Sciences	37
Sustainable Building Optimization Model for Early-Stage Design	1	2205 2215 2216	Civil and Structural Engineering Building and Construction Architecture	2 1	Engineering & Technology Arts & Humanities	220 106	Engineering - Civil & Structural Architecture	36 33
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	1	2900	General Nursing	5	Life Sciences & Medicine	534	Nursing	34
Experimental analysis and numerical simulation of biomass pyrolysis	2	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

Innovative metaheuristic algorithm with comparative analysis of MPPT for 5.5 kW floating photovoltaic system	2	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
Acid-hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation	1	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
Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters	2	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
Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas	1	1702 1705 1706 1708 1711 2208 2606 2718	Artificial Intelligence Computer Networks and Communications Computer Science Applications Hardware and Architecture Signal Processing Electrical and Electronic Engineering Control and Optimization Health Informatics	2 5 4	Engineering & Technology Life Sciences & Medicine Natural Sciences	212 213 221 532 249 431	Computer Science & Information Systems Data Science Engineering - Electrical & Electronic Medicine Engineering - Petroleum Mathematics	37 36 34 38
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	7	1000	Multidisciplinary	-	-	-	-	-
Exploring the relationship between nursing students' knowledge and attitudes towards climate change and their psychological distress: a cross-national investigation	4	2900	General Nursing	5	Life Sciences & Medicine	534	Nursing	34
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigmelana shells for sustainable biohydrogen production from leftover cooking oil	1	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
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	3	1303 1312 1315	Biochemistry Molecular Biology Structural Biology	5	Life Sciences & Medicine	507	Biological Sciences	32
Improvement of Selected Morphological, Physiological, and Biochemical Parameters of Banana (Musa acuminata L.) Using Potassium Silicate under Drought Stress Condition Grown in vitro	3	1110 1303 1314	Plant Science Biochemistry Physiology	5	Life Sciences & Medicine	502 503 507	Agriculture & Forestry Anatomy & Physiology Biological Sciences	32
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	4	2304 2307 2310	Environmental Chemistry Health, Toxicology and Mutagenesis Pollution	5 2 4 3	Life Sciences & Medicine Engineering & Technology Natural Sciences Social Sciences & Management	249 424	Engineering - Petroleum Environmental Sciences	37 34
A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant	1	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
Improving Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration	2	1700 2200 2500	General Computer Science General Engineering General Materials Science	2	Engineering & Technology	433 212	Materials Science Computer Science & Information Systems	38 36
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	2	2002 2308 3305	Economics and Econometrics Management, Monitoring, Policy and Law Geography, Planning and Development	3	Social Sciences & Management	425 424 317	Geography Environmental Sciences Economics & Econometrics	40 37 35
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	2	1909 2201 2205 2215 2305	Geotechnical Engineering and Engineering Geology Engineering (miscellaneous) Civil and	2 4	Engineering & Technology Natural Sciences	249 106 416 424	Engineering - Petroleum Architecture Earth & Marine Sciences Environmental Sciences	37 36

			Structural Engineering Building and Construction Environmental Engineering			450 220 451 247	Geology Engineering - Civil & Structural Geophysics Engineering - Mineral & Mining	
Coral bleaching occurrence along the Egyptian coast of the Red Sea during the summer heat stress period, 2020	1	1104	Aquatic Science	5	Life Sciences & Medicine	502	Agriculture & Forestry	32
IMPROVING URBAN ENERGY RESILIENCE WITH AN INTEGRATIVE FRAMEWORK BASED ON MACHINE LEARNING METHODS	1	2211 2215 2216	Mechanics of Materials Building and Construction Architecture	2 1	Engineering & Technology Arts & Humanities	106 220 433 222	Architecture Engineering - Civil & Structural Materials Science Engineering - Mechanical	36 33
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	1	2105 2308 3305	Renewable Energy, Sustainability and the Environment Management, Monitoring, Policy and Law Geography, Planning and Development	3 2	Social Sciences & Management Engineering & Technology	221 425 424	Engineering - Electrical & Electronic Geography Environmental Sciences	40 37 36
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	2	2102 2103 2104 2105	Energy Engineering and Power Technology Fuel Technology Nuclear Energy and Engineering Renewable Energy, Sustainability and the Environment	2	Engineering & Technology	249 221	Engineering - Petroleum Engineering - Electrical & Electronic	36
Techno-economic assessment of a novel wind-powered RO system with a compressed air energy storage for water desalination	4	2100 2102 2103 2105 2205 2208 2209 2210 2215 2308 2310 2611	General Energy Energy Engineering and Power Technology Fuel Technology Renewable Energy, Sustainability and the Environment Civil and Structural Engineering Electrical and Electronic Engineering Industrial and Manufacturing Engineering Mechanical Engineering Building and Construction Management, Monitoring, Policy and Law Pollution Modeling and Simulation	3 2 4	Social Sciences & Management Engineering & Technology Natural Sciences	106 221 249 220 431 424 222	Architecture Engineering - Electrical & Electronic Engineering - Petroleum Engineering - Civil & Structural Mathematics Environmental Sciences Engineering - Mechanical	36 37
Assessment of Onshore Renewable Energy Power Supply for Ship's Emissions Reduction in Port Said West Port	1	2210 2212	Mechanical Engineering Ocean Engineering	2 4	Engineering & Technology Natural Sciences	222 247 249 451 416	Engineering - Mechanical Engineering - Mineral & Mining Engineering - Petroleum Geophysics Earth & Marine Sciences	36
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	2	2205 2215 2216	Civil and Structural Engineering Building and Construction Architecture	2 1	Engineering & Technology Arts & Humanities	106 220	Architecture Engineering - Civil & Structural	36 33
Gaseous fuel diffusion flame with low oxygen concentrations	1	2200	General Engineering	2	Engineering & Technology	-	-	36
Effect of using nanoparticle-based diesel fuel on enhancement of performance and emissions of diesel engines	1	2200 2500	General Engineering General Materials Science	2	Engineering & Technology	433	Materials Science	36
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	2	1101 2402 2403 2404	Agricultural and Biological Sciences (miscellaneous) Applied Microbiology and Biotechnology Immunology Microbiology	5	Life Sciences & Medicine	507 502	Biological Sciences Agriculture & Forestry	32
Effect of atomizing gas type on kerosene spray combustion using gas-blast atomizer: A comparative numerical study	1	1507 2102 2209 2210	Fluid Flow and Transfer Processes Energy Engineering and Power Technology Industrial and Manufacturing Engineering Mechanical Engineering	2	Engineering & Technology	249 219 221 222	Engineering - Petroleum Engineering - Chemical Engineering - Electrical & Electronic Engineering - Mechanical	36
CO2 Emission Mitigation in Container-Based Cloud Computing by the Power of Resource Management	1	1705 1706 1710 2208 2214	Computer Networks and Communications Computer Science Applications Information Systems Electrical and Electronic Engineering Media Technology	2	Engineering & Technology	221 212 213 249	Engineering - Electrical & Electronic Computer Science & Information Systems Data Science Engineering - Petroleum	38 36

Predictive modeling of sustainable recycled materials for stone column construction	1	1909 2201 2205 2215 2305	Geotechnical Engineering and Engineering Geology Engineering (miscellaneous) Civil and Structural Engineering Building and Construction Environmental Engineering	2 4	Engineering & Technology Natural Sciences	451 249 106 220 450 416 247 424	Geophysics Engineering - Petroleum Architecture Engineering - Civil & Structural Geology Earth & Marine Sciences Engineering - Mineral & Mining Environmental Sciences	37 36
Imaging the Future Threats of the Sand Dunes Along the Northwestern Coast of Nile Delta Using SAR	2	1901 1908 1910 2301	Earth and Planetary Sciences (miscellaneous) Geophysics Oceanography Environmental Science (miscellaneous)	4 2	Natural Sciences Engineering & Technology	247 451 249 450 424 416	Engineering - Mineral & Mining Geophysics Engineering - Petroleum Geology Environmental Sciences Earth & Marine Sciences	37
Thermal history of coral reefs along the Egyptian coast of the Red Sea	2	1100 1400 1900 2200 2300	General Agricultural and Biological Sciences General Business, Management and Accounting General Earth and Planetary Sciences General Engineering General Environmental Science	4 2 3 5	Natural Sciences Engineering & Technology Social Sciences & Management Life Sciences & Medicine	451 502 308 450 249 424 416	Geophysics Agriculture & Forestry Business & Management Studies Geology Engineering - Petroleum Environmental Sciences Earth & Marine Sciences	37 35 36 32
New Efficient Configurations for Sour Wastewater Treatment	2	1500	General Chemical Engineering	2	Engineering & Technology	219	Engineering - Chemical	36
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle	2	1500	General Chemical Engineering	2	Engineering & Technology	219	Engineering - Chemical	36
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	5	1507	Fluid Flow and Transfer Processes	2	Engineering & Technology	249 219	Engineering - Petroleum Engineering - Chemical	36

Title	Times Higher Education (THE) field name	ANZSRC FoR (2020) parent code	ANZSRC FoR (2020) parent name	ANZSRC FoR (2020) code	ANZSRC FoR (2020) name	Sustainable Development Goals (2025)
Hydrogen production, storage, utilisation and environmental impacts: a review	Physical Sciences	34 41 31	Chemical Sciences Environmental Sciences Biological Sciences	-	-	SDG 7 SDG 9 SDG 12 SDG 13
Recent advances in carbon capture storage and utilisation technologies: a review	Physical Sciences	34 31 41	Chemical Sciences Biological Sciences Environmental Sciences	-	-	SDG 8 SDG 9 SDG 13
Conversion of biomass to biofuels and life cycle assessment: a review	Physical Sciences	31 41 34	Biological Sciences Environmental Sciences Chemical Sciences	-	-	SDG 7 SDG 9 SDG 12 SDG 13
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	Physical Sciences	34 41 31	Chemical Sciences Environmental Sciences Biological Sciences	-	-	SDG 6 SDG 7 SDG 8 SDG 12 SDG 13
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	Physical Sciences	31 41 34	Biological Sciences Environmental Sciences Chemical Sciences	-	-	SDG 7 SDG 8 SDG 9 SDG 12 SDG 13
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	Physical Sciences	41 34 31	Environmental Sciences Chemical Sciences Biological Sciences	-	-	SDG 7 SDG 8 SDG 9 SDG 11 SDG 12 SDG 13

Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions	Social Sciences Computer Science Engineering Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 7 SDG 13
Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems	Engineering Computer Science	46 40	Information And Computing Sciences Engineering	-	-	SDG 7 SDG 13
Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation	Physical Sciences Engineering	40 34	Engineering Chemical Sciences	3401 4004	Analytical chemistry Chemical engineering	SDG 6 SDG 9 SDG 12 SDG 13
Facies analysis and sequence-stratigraphic control on reservoir architecture: Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt	Physical Sciences	37	Earth Sciences	3706 3705	Geophysics Geology	SDG 13 SDG 14
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	Engineering Physical Sciences	-	-	-	-	SDG 7 SDG 12 SDG 13
Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors	Engineering	40	Engineering	4004 4017 4008	Chemical engineering Mechanical engineering Electrical engineering	SDG 6 SDG 7 SDG 13
Antioxidant enzymatic activity and osmotic adjustment as components of the drought tolerance mechanism in carex duriuscula	Life Sciences Physical Sciences	31 30	Biological Sciences Agricultural, Veterinary And Food Sciences	-	-	SDG 13
Simulation and experimental performance analysis of partially floating PV system in windy conditions	Engineering	40 33	Engineering Built Environment And Design	-	-	SDG 7 SDG 13
Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination	Engineering Physical Sciences	34 40	Chemical Sciences Engineering	4011 4004 3406	Environmental engineering Chemical engineering Physical chemistry	SDG 6 SDG 7 SDG 13
Performance enhancement of flat-plate and parabolic trough solar collector using nanofluid for water heating application	Engineering	40	Engineering	-	-	SDG 7 SDG 13
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	Physical Sciences Engineering	40 34	Engineering Chemical Sciences	4004 4011 3406	Chemical engineering Environmental engineering Physical chemistry	SDG 12 SDG 13 SDG 14
Hydrogen production from wastewater, storage, economy, governance and applications: a review	Physical Sciences	31 41 34	Biological Sciences Environmental Sciences Chemical Sciences	-	-	SDG 6 SDG 7 SDG 8 SDG 9 SDG 13
An energy-economic analysis of a hybrid PV/wind/battery energy-driven hydrogen generation system in rural regions of Egypt	Engineering	40	Engineering	-	-	SDG 7 SDG 13
Performance and potential of a novel floating photovoltaic system	Physical Sciences Engineering	34 40	Chemical Sciences Engineering	-	-	SDG 7 SDG 13

in Egyptian winter climate on calm water surface						
A technical and economic evaluation of floating photovoltaic systems in the context of the water-energy nexus	Engineering Physical Sciences	40	Engineering	4008 4017 4012	Electrical engineering Mechanical engineering Fluid mechanics and thermal engineering	SDG 6 SDG 7 SDG 13
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	Engineering Physical Sciences	40 34	Engineering Chemical Sciences	3403 4016	Macromolecular and materials chemistry Materials engineering	SDG 7 SDG 12 SDG 13
Integrated Hydrological Modeling for Watershed Analysis, Flood Prediction, and Mitigation Using Meteorological and Morphometric Data, SCS-CN, HEC-HMS/RAS, and QGIS	Physical Sciences Life Sciences Social Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6 SDG 11 SDG 13 SDG 15
A review on the synergistic efficacy of sonication-assisted water treatment process with special attention given to microplastics	Engineering Physical Sciences	40	Engineering	4019 4004	Resources engineering and extractive metallurgy Chemical engineering	SDG 6 SDG 9 SDG 13
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	Medical and Health	42	Health Sciences	4204 4205	Midwifery Nursing	SDG 12 SDG 13
A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook	Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6 SDG 8 SDG 9 SDG 13
Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta, Egypt	Physical Sciences	37 40	Earth Sciences Engineering	3707 4005 3709	Hydrology Civil engineering Physical geography and environmental geoscience	SDG 6 SDG 7 SDG 13
Post-pandemic architecture: a critical review of the expected feasibility of skyscraper-integrated vertical farming (SIVF)	Business and Economics Engineering Arts and Humanities	33	Built Environment And Design	3301 3302 3303	Architecture Building Design	SDG 2 SDG 8 SDG 13
Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis	Engineering Physical Sciences	40	Engineering	4019 4004 4012	Resources engineering and extractive metallurgy Chemical engineering Fluid mechanics and thermal engineering	SDG 7 SDG 13
Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water	Engineering Physical Sciences	34	Chemical Sciences	3402 3406	Inorganic chemistry Physical chemistry	SDG 7 SDG 13
Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system	Engineering	40	Engineering	-	-	SDG 6 SDG 7 SDG 13
Yield and energy outputs analysis of sawdust biomass pyrolysis	Engineering	40	Engineering	4008 4012 4004	Electrical engineering Fluid mechanics and thermal engineering Chemical engineering	SDG 7 SDG 13
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the	Arts and Humanities Engineering Social Sciences	33	Built Environment And Design	3301 3302	Architecture Building	SDG 9 SDG 11 SDG 13

environmental performance of vertical greening systems (VGS)						
Enviro-economic and optimal hybrid energy system: Photovoltaic-biogas-hydro-battery system in rural areas of Pakistan	-	MD	Multidisciplinary	MD	Multidisciplinary	SDG 7 SDG 8 SDG 13
Investigating Climate Change Effects on Evapotranspiration and Groundwater Recharge of the Nile Delta Aquifer, Egypt	Social Sciences Physical Sciences Life Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 2 SDG 13
GIS-based evaluation and statistical determination of groundwater geochemistry for potential irrigation use in El Moghra, Egypt	Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6 SDG 13
Sustainable Building Optimization Model for Early-Stage Design	Engineering Arts and Humanities	40 33	Engineering Built Environment And Design	4005 3301 3302	Civil engineering Architecture Building	SDG 7 SDG 12 SDG 13
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	Medical and Health	42	Health Sciences	4205 4204	Nursing Midwifery	SDG 12 SDG 13
Experimental analysis and numerical simulation of biomass pyrolysis	Physical Sciences Medical and Health Engineering	34	Chemical Sciences	3406	Physical chemistry	SDG 7 SDG 13
Innovative metaheuristic algorithm with comparative analysis of MPPT for 5.5 kW floating photovoltaic system	Physical Sciences Engineering	40	Engineering	4004 4011	Chemical engineering Environmental engineering	SDG 7 SDG 13
Acid-hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation	Education Studies Engineering	40	Engineering	4004	Chemical engineering	SDG 7 SDG 8 SDG 13
Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters	Arts and Humanities Engineering	33 40	Built Environment And Design Engineering	3301 4005 3302	Architecture Civil engineering Building	SDG 3 SDG 7 SDG 8 SDG 13
Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas	Physical Sciences Engineering Medical and Health Computer Science	40 51	Engineering Physical Sciences	4008 5199 4009	Electrical engineering Other physical sciences Electronics, sensors and digital hardware	SDG 7 SDG 13 SDG 14
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	-	MD	Multidisciplinary	MD	Multidisciplinary	SDG 4 SDG 12 SDG 13
Exploring the relationship between nursing students' knowledge and attitudes towards climate change and their psychological distress: a cross-national investigation	Medical and Health	42	Health Sciences	4205 4204	Nursing Midwifery	SDG 3 SDG 13
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	Engineering Physical Sciences	40 34	Engineering Chemical Sciences	3406 4004 4011	Physical chemistry Chemical engineering Environmental engineering	SDG 7 SDG 12 SDG 13
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	Life Sciences	31	Biological Sciences	3101	Biochemistry and cell biology	SDG 3 SDG 6 SDG 8 SDG 11 SDG 12 SDG 13
Improvement of Selected Morphological, Physiological, and Biochemical Parameters of Banana (Musa acuminata L.) Using	Life Sciences	31 41	Biological Sciences Environmental Sciences	4106 3108	Soil sciences Plant biology	SDG 2 SDG 6 SDG 13

Potassium Silicate under Drought Stress Condition Grown in vitro						
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	Physical Sciences Medical and Health	MD	Multidisciplinary	MD	Multidisciplinary	SDG 8 SDG 9 SDG 12 SDG 13
A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant	Physical Sciences Engineering Social Sciences	-	-	-	-	SDG 7 SDG 13
Improving Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration	Computer Science Engineering	40 46	Engineering Information And Computing Sciences	-	-	SDG 7 SDG 13 SDG 14
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	Social Sciences Physical Sciences Business and Economics	30 44 41	Agricultural, Veterinary And Food Sciences Human Society Environmental Sciences	4104 3002 4404	Environmental management Agriculture, land and farm management Development studies	SDG 2 SDG 6 SDG 8 SDG 12 SDG 13
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	Physical Sciences Engineering	40 37	Engineering Earth Sciences	-	-	SDG 7 SDG 8 SDG 9 SDG 13
Coral bleaching occurrence along the egyptian coast of the red sea during the summer heat stress period, 2020	Life Sciences	41 31 30	Environmental Sciences Biological Sciences Agricultural, Veterinary And Food Sciences	4104 3005 3109	Environmental management Fisheries sciences Zoology	SDG 13
IMPROVING URBAN ENERGY RESILIENCE WITH AN INTEGRATIVE FRAMEWORK BASED ON MACHINE LEARNING METHODS	Engineering Arts and Humanities	33 35	Built Environment And Design Commerce, Management, Tourism And Services	3301 3302 3509	Architecture Building Transportation, logistics and supply chains	SDG 11 SDG 13
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	Social Sciences Physical Sciences Engineering	44 33	Human Society Built Environment And Design	4404 3304	Development studies Urban and regional planning	SDG 11 SDG 12 SDG 13
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	Engineering	40	Engineering	4012 4008 4004	Fluid mechanics and thermal engineering Electrical engineering Chemical engineering	SDG 7 SDG 9 SDG 12 SDG 13 SDG 14
Techno-economic assessment of a novel wind-powered RO system with a compressed air energy storage for water desalination	Engineering Physical Sciences	40	Engineering	4008 4017 4012	Electrical engineering Mechanical engineering Fluid mechanics and thermal engineering	SDG 6 SDG 7 SDG 8 SDG 13 SDG 14 SDG 15
Assessment of Onshore Renewable Energy Power Supply for Ship's Emissions Reduction in Port Said West Port	Engineering	40	Engineering	4015	Maritime engineering	SDG 7 SDG 8 SDG 11 SDG 13 SDG 14
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	Engineering Arts and Humanities	33 40	Built Environment And Design Engineering	3302 4005 3301	Building Civil engineering Architecture	SDG 7 SDG 12 SDG 13 SDG 15
Gaseous fuel diffusion flame with low oxygen concentrations	Engineering	40	Engineering	-	-	SDG 13
Effect of using nanoparticle-based diesel fuel on enhancement of performance and emissions of diesel engines	Engineering	32 40	Biomedical And Clinical Sciences Engineering	3206 4018 3214	Medical biotechnology Nanotechnology Pharmacology and pharmaceutical sciences	SDG 3 SDG 13

Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	Life Sciences	-	-	-	-	SDG 7 SDG 12 SDG 13
Effect of atomizing gas type on kerosene spray combustion using gas-blast atomizer: A comparative numerical study	Engineering	40	Engineering	4017 4012	Mechanical engineering Fluid mechanics and thermal engineering	SDG 13
CO2 Emission Mitigation in Container-Based Cloud Computing by the Power of Resource Management	Computer Science Engineering	40 51 46	Engineering Physical Sciences Information And Computing Sciences	5199 4606 4006	Other physical sciences Distributed computing and systems software Communications engineering	SDG 13
Predictive modeling of sustainable recycled materials for stone column construction	Physical Sciences Engineering	40 37	Engineering Earth Sciences	-	-	SDG 12 SDG 13
Imaging the Future Threats of the Sand Dunes Along the Northwestern Coast of Nile Delta Using SAR	Physical Sciences	-	-	-	-	SDG 13
Thermal history of coral reefs along the Egyptian coast of the Red Sea	Physical Sciences Business and Economics Engineering Life Sciences	-	-	-	-	SDG 8 SDG 13
New Efficient Configurations for Sour Wastewater Treatment	Engineering	40	Engineering	4004 4018 4019	Chemical engineering Nanotechnology Resources engineering and extractive metallurgy	SDG 6 SDG 7 SDG 8 SDG 9 SDG 13
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle	Engineering	34 40	Chemical Sciences Engineering	3406 4004 4017	Physical chemistry Chemical engineering Mechanical engineering	SDG 7 SDG 9 SDG 13
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	Engineering	40	Engineering	4012 4017	Fluid mechanics and thermal engineering Mechanical engineering	SDG 7 SDG 9 SDG 12 SDG 13

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