Publications at Port Said University

SDG 9

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
140 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
A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process	Elgarahy, A.M.| Elwakeel, K.Z.| Mohammad, S.H.| Elshoubaky, G.A.	4	57192696143| 9433357000| 56135949200| 57127295600	2021	2021-10-01	Cleaner Engineering and Technology	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
Insight on water remediation application using magnetic nanomaterials and biosorbents	Abdel Maksoud, M.I.A.| Elgarahy, A.M.| Farrell, C.| Al-Muhtaseb, A.H.| Rooney, D.W.| Osman, A.I.	6	57202917751| 57192696143| 57208035185| 57117662400| 7006139453| 55362658600	2020	2020-01-15	Coordination Chemistry Reviews	English
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	Osman, A.I.| Chen, Z.| Elgarahy, A.M.| Farghali, M.| Mohamed, I.M.A.| Priya, A.K.| Hawash, H.B.| Yap, P.-S.	8	55362658600| 57855097200| 57192696143| 57209493826| 57226333251| 57226315795| 57202771929| 36140024400	2024	2024-05-01	Advanced Energy and Sustainability Research	English
Material jetting for advanced applications: A state-of-the-art review, gaps and future directions	Elkaseer, A.| Chen, K.J.| Janhsen, J.C.| Refle, O.| Hagenmeyer, V.| Scholz, S.G.	6	54786368200| 57205365600| 57195315775| 37120825100| 15837418700| 35200000400	2022	2022-12-01	Additive Manufacturing	English
Adsorption of polluted dyes from water by transition metal oxides: A review	Hosny, N.M.| Gomaa, I.| Elmahgary, M.G.	3	55893672800| 57208594040| 57203344818	2023	2023-06-01	Applied Surface Science Advances	English
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	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.	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.| Farghali, 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
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels	Qudeiri, J.E.A.| Zaiout, A.| Mourad, A.-H.I.| Abidi, M.H.| Elkaseer, A.	5	23481380200| 57216148131| 57215576604| 55582207400| 54786368200	2020	2020-03-01	Applied Sciences (Switzerland)	English
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	Elkaseer, A.| Schneider, S.| Scholz, S.G.	3	54786368200| 57216883658| 35200000400	2020	2020-04-01	Applied Sciences (Switzerland)	English
Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview	Elgarahy, A.M.| Elwakeel, K.Z.| Akhdhar, A.| Hamza, M.F.	4	57192696143| 9433357000| 57211919684| 36727582700	2021	2021-05-01	Nanotechnology for Environmental Engineering	English
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	Mashabi, R.A.| Khan, Z.A.| Elwakeel, K.Z.	3	57771749400| 36188082100| 9433357000	2022	2022-06-09	Materials Advances	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
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	Elgarahy, A.M.| Maged, A.| Eloffy, M.G.| Zahran, M.| Kharbish, S.| Elwakeel, K.Z.| Bhatnagar, A.	7	57192696143| 57211217930| 55919580700| 57210896205| 22134735200| 9433357000| 7202474586	2023	2023-11-01	Separation and Purification Technology	English
Use of biopolymers in wastewater treatment: A brief review of current trends and prospects	Elgarahy, A.M.| Eloffy, M.G.| Guibal, E.| Alghamdi, H.M.| Elwakeel, K.Z.	5	57192696143| 55919580700| 7006498836| 58170757700| 9433357000	2023	2023-12-01	Chinese Journal of Chemical Engineering	English

Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	Elgarahy, A.M.| Eloffy, M.G.| Alengebawy, A.| El-Sherif, D.M.| Gaballah, M.S.| Elwakeel, K.Z.| El-Qelish, M.	7	57192696143| 55919580700| 57217536176| 57307212500| 57221645534| 9433357000| 47360967500	2023	2023-05-15	Environmental Research	English
Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture	Charles, A.| Elkaseer, A.| Paggi, U.| Thijs, L.| Hagenmeyer, V.| Scholz, S.	6	57204613010| 54786368200| 57212167885| 35739529000| 15837418700| 35200000400	2021	2021-10-01	Additive Manufacturing	English
A green synthesis of cellulose nanocrystals biosorbent for remediation of wastewater containing industrial dye	El-Fattah, W.A.| Guesmi, A.| Ben Hamadi, N.| El-Desouky, M.G.| Shahat, A.	5	57216615080| 46860972900| 57364956000| 57194898913| 36143273100	2024	2024-01-20	Colloids and Surfaces A: Physicochemical and Engineering Aspects	English
Elucidation of dross formation in laser powder bed fusion at down-facing surfaces: Phenomenon-oriented multiphysics simulation and experimental validation	Charles, A.| Bayat, M.| Elkaseer, A.| Thijs, L.| Hattel, J.H.| Scholz, S.	6	57204613010| 57197151883| 54786368200| 35739529000| 6603958944| 35200000400	2022	2022-02-01	Additive Manufacturing	English
Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts	Fouad, K.| Bassyouni, M.| Alalm, M.G.| Saleh, M.Y.	4	57217049298| 57193261423| 56382543300| 57217049484	2021	2021-08-01	Applied Physics A: Materials Science and Processing	English
Design and performance a novel hybrid membrane distillation/humidification–dehumidification system	Elhenawy, Y.| Fouad, K.| Bassyouni, M.| Majozi, T.	4	57194448020| 57217049298| 57193261423| 55961235600	2023	2023-06-15	Energy Conversion and Management	English
Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition	Mohsen, S.| Elkaseer, A.| Scholz, S.G.	3	57216800452| 54786368200| 35200000400	2021	2021-01-01	IEEE Access	English
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	Elgarahy, A.M.| Maged, A.| Elwakeel, K.Z.| El-Gohary, F.| El-Qelish, M.	5	57192696143| 57211217930| 9433357000| 7003487679| 47360967500	2023	2023-01-01	Environmental Research	English
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	Tayeb, A.M.| Farouq, R.| Mohamed, O.A.| Tony, M.A.	4	6602997155| 57126410300| 57205341818| 24167292100	2020	2020-02-19	International Journal of Environmental Analytical Chemistry	English
Effective methods for removing different types of dyes – modelling analysisstatistical physics treatment and DFT calculations: a review	El-Desouky, M.G.| Khalil, M.A.G.| El-Afify, M.A.M.| El-Bindary, A.A.| El-Bindary, M.A.	5	57194898913| 57226686476| 57194832390| 7006833373| 57188536034	2022	2022-12-01	Desalination and Water Treatment	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
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	Gharib Yosry, A.| Fernández-Jiménez, A.| Álvarez-Álvarez, E.| Blanco Marigorta, E.	4	57204932141| 57216433417| 57216442051| 57189341741	2021	2021-06-01	Energy Conversion and Management	English
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	El Bari, H.| Fanezoune, C.K.| Dorneanu, B.| Arellano-Garcia, H.| Majozi, T.| Elhenawy, Y.| Bayssi, O.| Hirt, A.| Peixinho, J.| Dhahak, A.| Gadalla, M.A.| Khashaba, N.H.| Ashour, F.H.	13	23975528100| 58903457600| 23977632000| 7801441564| 55961235600| 57194448020| 58496829400| 58903535600| 12773996900| 57196939945| 14048292400| 57789685300| 57788821500	2024	2024-03-01	Journal of Analytical and Applied Pyrolysis	English
Extraction of Nanocellulose for Eco-Friendly Biocomposite Adsorbent for Wastewater Treatment	Bassyouni, M.| Zoromba, M.Sh.| Abdel-Aziz, M.H.| Mosly, I.	4	57193261423| 16305817700| 36463135100| 55536605900	2022	2022-05-01	Polymers	English
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	Eteba, A.| Bassyouni, M.| Saleh, M.	3	57250821100| 57193261423| 57217049484	2023	2023-07-01	International Journal of Environmental Science and Technology	English
Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium	El-Shorbagy, H.G.| El-Kousy, S.M.| Elwakeel, K.Z.| El-Ghaffar, M.A.A.	4	55348768900| 6602836133| 9433357000| 59941904300	2021	2021-08-25	Journal of Industrial and Engineering Chemistry	English
Toward a national life cycle assessment tool: Generative design for early decision support	Hassan, S.R.| Megahed, N.A.| Abo Eleinen, O.M.| Hassan, A.M.	4	57678804100| 55941539500| 57214334960| 57214328061	2022	2022-07-15	Energy and Buildings	English
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V	Charles, A.| Elkaseer, A.| Thijs, L.| Scholz, S.G.	4	57204613010| 54786368200| 35739529000| 35200000400	2020	2020-04-01	Applied Sciences (Switzerland)	English

Multi-Objective Optimization of Performance Indicators in Turning of AISI 1045 under Dry Cutting Conditions	Abbas, A.T.| Al-Abduljabbar, A.A.| El Rayes, M.M.| Benyahia, F.| Abdelgaliel, I.H.| Elkaseer, A.	6	36985703800| 57217881210| 6603641050| 36618562700| 57539205200| 54786368200	2023	2023-01-01	Metals	English
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	Abdelhalim, A.M.	1	5.8E+10	2024	2024-04-29	Journal of Financial Reporting and Accounting	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
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism	Hassaan, M.A.| El Nemr, A.| Madkour, F.F.| Idris, A.M.| Said, T.O.| Sahlabji, T.| Alghamdi, M.M.| El-Zahhar, A.A.	8	57192649715| 58921909200| 18042182900| 57893996600| 7003332979| 22935290300| 57208214065| 8506814500	2021	2021-01-01	Toxin Reviews	English
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system	Moshiri, M.| Charles, A.| Elkaseer, A.| Scholz, S.| Mohanty, S.| Tosello, G.	6	57197855883| 57204613010| 54786368200| 35200000400| 57206834264| 21934922100	2020	2020-01-01	Procedia CIRP	English
Evolution of BIM to DTs: A Paradigm Shift for the Post-Pandemic AECO Industry	Megahed, N.A.| Hassan, A.M.	2	55941539500| 57214328061	2022	2022-12-01	Urban Science	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
Effect of Process Parameters on the Performance of Drop-On-Demand 3D Inkjet Printing: Geometrical-Based Modeling and Experimental Validation	Elkaseer, A.| Schneider, S.| Deng, Y.| Scholz, S.G.	4	54786368200| 57216883658| 57768664000| 35200000400	2022	2022-07-01	Polymers	English
Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait	Alhajri, I.H.| Gadalla, M.A.| Abdelaziz, O.Y.| Ashour, F.H.	4	36242852100| 14048292400| 56725916500| 57788821500	2021	2021-08-01	Case Studies in Thermal Engineering	English
Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304	Naeim, N.| AbouEleaz, M.A.| Elkaseer, A.	3	57216907821| 58099396500| 54786368200	2023	2023-02-01	Materials	English
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	Elgarahy, A.M.| Eloffy, M.G.| Priya, A.K.| Hammad, A.| Zahran, M.| Maged, A.| Elwakeel, K.Z.	7	57192696143| 55919580700| 57226315795| 57200181654| 57210896205| 57211217930| 9433357000	2024	2024-09-01	Sustainable Chemistry for the Environment	English
Energy Management of Microgrids Using Load Shifting and Multi-agent System	Abdelsalam, A.A.| Zedan, H.A.| ElDesouky, A.A.	3	46060962400| 57216613728| 6507131518	2020	2020-08-01	Journal of Control, Automation and Electrical Systems	English
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	Kulikova, Y.| Klementev, S.| Sirotkin, A.| Mokrushin, I.| Bassyouni, M.| Elhenawy, Y.| El-Hadek, M.A.| Babich, O.	8	57982159500| 58250220900| 8127073300| 35364826700| 57193261423| 57194448020| 36956146400| 55226327700	2023	2023-05-01	Water (Switzerland)	English
Fundamental investigation into tool wear and surface quality in high-speed machining of Ti6Al4V alloy	Abbas, A.T.| Al Bahkali, E.A.| Alqahtani, S.M.| Abdelnasser, E.| Naeim, N.| Elkaseer, A.	6	36985703800| 6602587860| 59574570600| 57193317235| 57216907821| 54786368200	2021	2021-12-01	Materials	English
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	Abdelhalim, A.M.| Ibrahim, N.| Alomair, M.	3	58029778400| 57442436600| 57850060200	2023	2023-05-01	Sustainability (Switzerland)	English
Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces	Farrag, N.M.| Kamel, D.A.| Ghallab, A.O.| Gadalla, M.A.| Fouad, M.K.	5	57192986905| 55902257200| 16244766300| 14048292400| 7005777140	2021	2021-04-01	South African Journal of Chemical Engineering	English
Experimental Investigation and Optimization of Turning Polymers Using RSM, GA, Hybrid FFD-GA, and MOGA Methods	Alateyah, A.I.| El-Taybany, Y.| El-Sanabary, S.| El-Garaihy, W.H.| Kouta, H.	5	55863063100| 57193559858| 57202363589| 55213852600| 57194032408	2022	2022-09-01	Polymers	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

Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent	Elhady, S.| Bassyouni, M.| Elshikhiby, M.Z.| Saleh, M.Y.| Elzahar, M.H.	5	57216653430| 57193261423| 59174283800| 57217049484| 23966198400	2024	2024-07-01	Applied Water Science	English
Diverse applications of versatile quaternized chitosan salts: A review	López-Maldonado, E.A.| Mavaei, M.| Dan, S.| Banitaba, S.N.| Gholamhosseinpour, M.| Hamedi, S.| Villarreal-Gómez, L.J.| Pérez-González, G.L.| Mashkouri, S.| Khademolqorani, S.| Elgarahy, A.M.	11	56272726300| 56809427100| 57216417052| 57193456268| 57214230750| 55173890100| 36503207800| 57204581321| 26026084100| 57221747187| 57192696143	2024	2024-11-01	International Journal of Biological Macromolecules	English
Investigating the role of the urban environment in controlling pandemics transmission: Lessons from history	Hussein, H.A.A.	1	5.75E+10	2022	2022-11-01	Ain Shams Engineering Journal	English
Simulated soil water distribution patterns and water use of Alfalfa under different subsurface drip irrigation depths	Eltarabily, M.G.| Mohamed, A.Z.| Begna, S.| Wang, D.| Putnam, D.H.| Scudiero, E.| Bali, K.M.	7	56990454800| 57204035540| 6602263715| 57203295606| 7006343661| 55022751800| 7004096197	2024	2024-03-31	Agricultural Water Management	English
Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8)	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	2022-06-01	Environmental Chemistry Letters	English
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts	Abbas, A.T.| Abubakr, M.| Elkaseer, A.| Rayes, M.M.E.| Mohammed, M.L.| Hegab, H.	6	36985703800| 55940341300| 54786368200| 6603641050| 57219965005| 57195103192	2020	2020-01-01	IEEE Access	English
Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes	El-Nablaway, M.| Rashed, F.| Taher, E.S.| Foda, T.| Abdeen, A.| Abdo, M.| Fericean, L.| Ioan, B.-D.| Mihaela, O.| Dinu, S.| Alexandru, C.-C.| Taymour, N.| Mohammed, N.A.| El-Sherbiny, M.| Ibrahim, A.M.| Zaghamir, D.E.| Atia, G.A.	17	57220186518| 58758685500| 56811239900| 58634796900| 56955067800| 55750849900| 57199741678| 36658897000| 58617229200| 57290361800| 59131799500| 6506194407| 57207757854| 57190839938| 57218703344| 58030173700| 57869307200	2024	2024-07-15	Life Sciences	English
Multiobjective Optimization of Laser Polishing of Additively Manufactured Ti-6Al-4V Parts for Minimum Surface Roughness and Heat-Affected Zone	Solheid, J.S.| Elkaseer, A.| Wunsch, T.| Scholz, S.| Seifert, H.J.| Pfleging, W.	6	57204610978| 54786368200| 55828213600| 35200000400| 7202738533| 6701632312	2022	2022-05-01	Materials	English
An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651	Hammad, A.S.| Ahmed, M.M.Z.| Lu, H.| El-Shabasy, A.B.| Alzahrani, B.| El-Sayed Seleman, M.M.| Zhang, Y.| El Megharbel, A.	8	57477928600| 55936306300| 55512136000| 6504424561| 6506815885| 6504418291| 56401240400| 56979510000	2022	2022-06-01	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	English
Handover Performance Improvement in Heterogeneous Wireless Network	Ezz-Eldien, N.A.| Abdelkader, M.F.| Abdalla, M.I.| Abdel-Atty, H.M.	4	57221496541| 37016152600| 7102448364| 36175601000	2020	2020-11-04	11th Annual IEEE Information Technology, Electronics and Mobile Communication Conference, IEMCON 2020	English
In-process digital monitoring of additive manufacturing: Proposed machine learning approach and potential implications on sustainability	Charles, A.| Salem, M.| Moshiri, M.| Elkaseer, A.| Scholz, S.G.	5	57204613010| 57214529120| 57197855883| 54786368200| 35200000400	2021	2021-01-01	Smart Innovation, Systems and Technologies	English
Adsorption of Gentian violet dye onto mesoporous aluminosilica monoliths: nanoarchitectonics and application to industrial wastewater	Al-Hazmi, G.H.| Akhdhar, A.| Shahat, A.| Elwakeel, K.Z.	4	57201307353| 57211919684| 36143273100| 9433357000	2024	2024-01-01	International Journal of Environmental Analytical Chemistry	English
Enhancing Object Detection in Remote Sensing: A Hybrid YOLOv7 and Transformer Approach with Automatic Model Selection	Ahmed, M.| El-Sheimy, N.| Leung, H.| Moussa, A.	4	58830028400| 59454510300| 57211955342| 36155022900	2024	2024-01-01	Remote Sensing	English
The Neutrosophic Treatment for Multiple Storage Problem of Finite Materials and Volumes	Jdid, M.| Alhabib, R.| Bahbouh, O.| Salama, A.A.| Khalid, H.E.	5	57353028500| 57222384203| 57470799000| 57077921900| 57220196657	2022	2022-01-01	International Journal of Neutrosophic Science	English
Predicting Forced Blower Failures Using Machine Learning Algorithms and	Salem, K.| AbdelGwad, E.| Kouta, H.	3	58592670700| 58591784800| 57194032408	2023	2023-10-01	Journal of Failure Analysis and Prevention	English

Vibration Data for Effective Maintenance Strategies							
Improving and Predicting the Surface Roughness and the Machining Accuracy in Ultrasonic Vibration-Assisted Milling	Baraya, M.| Yan, J.| Hossam, M.	3	57214796273| 7403728782| 57193568414	2024	2024-12-01	Journal of Vibration Engineering and Technologies	English
Influences of greenly synthesized iron oxide nanoparticles on the bioremediation of dairy effluent using selected microbial isolates	Salama, A.M.| Abedin, R.M.A.| Elwakeel, K.Z.	3	57214234912| 56014543000| 9433357000	2022	2022-08-01	International Journal of Environmental Science and Technology	English
Synthesis and application of a novel self-smart sensor based on a modified amino-functionalized Zr-metal–organic framework for rapid and selective detection of some toxic metals in wastewater	El-Bindary, M.A.| Shahat, A.| El-Deen, I.M.| El-Afify, M.A.M.| Hassan, N.	5	57188536034| 36143273100| 6701497726| 57194832390| 57196579595	2023	2023-04-01	Applied Organometallic Chemistry	English
Modified coal fly ash for textile dye removal from industrial wastewater	Eteba, A.| Bassyouni, M.| Saleh, M.	3	57250821100| 57193261423| 57217049484	2024	2024-03-01	Energy and Environment	English
Analytical Performance and Greenness Evaluation of Five Multi-Level Design Models Utilized for Impurity Profiling of Favipiravir, a Promising COVID-19 Antiviral Drug	Ibrahim, A.E.| Sharaf, Y.A.| El Deeb, S.| Sayed, R.A.	4	55323998700| 55697851200| 14059838300| 56434477000	2022	2022-06-01	Molecules	English
Ten questions concerning the integration of digital fabrication techniques into the architectural design process	Gamal, A.| Nashaat, B.| Shahda, M.M.| Nosier, S.R.	4	58651807900| 57610166600| 57204561477| 58216206600	2024	2024-01-01	Architectural Engineering and Design Management	English
Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades	Elhenawy, Y.| Fouad, Y.| Marouani, H.| Bassyouni, M.	4	57194448020| 6603123645| 24179093600| 57193261423	2021	2021-04-01	Processes	English
An Experimental Study of Indoor Air Quality Enhancement Using Breathing Walls	Elgheznawy, D.| El Enein, O.A.| Shalaby, G.| Seif, A.	4	57224494477| 58223559000| 58894251200| 58857266400	2022	2022-01-01	Civil Engineering and Architecture	English
Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms	Ayad, M.M.| Hosny, M.M.| Ibrahim, A.E.| El-Abassy, O.M.| Belal, F.F.	5	7006430190| 35614068700| 55323998700| 57215681370| 56256873300	2020	2020-07-01	Journal of the Iranian Chemical Society	English
A conceptual efficient design of energy recovery systems using a new energy-area key parameter	Alhajri, I.H.| Gadalla, M.A.| Elazab, H.A.	3	36242852100| 14048292400| 57197864132	2021	2021-11-01	Energy Reports	English
Impact of organic peroxide on a moderate molecular weight homo-polypropylene vis breaking, and mechanism of interaction	Abd El-Wahab, M.| El-Desouky, M.G.	2	6602812428| 57194898913	2024	2024-07-03	Main Group Chemistry	English
Assessing Xeriscaping as a Retrofit Sustainable Water Consumption Approach for a Desert University Campus	Ismaeil, E.M.H.| Sobaih, A.E.E.	2	57732309400| 43762250600	2022	2022-06-01	Water (Switzerland)	English
Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0	Abdel-Kader, R.F.| El-Sayad, N.E.| Rizk, R.Y.	3	35328967100| 57224352156| 26649135100	2021	2021-06-01	PLoS ONE	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
Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines	Alkhalefah, H.| Qudeiri, J.E.A.| Umer, U.| Abidi, M.H.| Elkaseer, A.	5	57203434201| 23481380200| 25634482900| 55582207400| 54786368200	2021	2021-01-01	IEEE Access	English
Study Attenuation Parameters and Physical Properties of Silicone Rubber	El-Khatib, A.M.| Elesh, E.| Hamada, M.S.| Sabry, E.M.| Gouda, M.M.	5	7003395606| 37053581400| 57215969794| 58844711900| 55363017800	2024	2024-04-01	Silicon	English

Reinforced with Nano- and Micro-Sized Aluminum Oxide Composites							
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	Galal, A.| Elgarahy, A.M.| Haroun, B.| Safwat, S.M.| El-Qelish, M.| Fahmi, A.A.	6	57223922085| 57192696143| 57211779252| 57201744137| 47360967500| 57210659210	2024	2024-10-01	Chemical Engineering Research and Design	English
A Low-Cost Multi-sensor Deep Learning System for Pavement Distress Detection and Severity Classification	Hedeya, M.A.| Samir, E.| El-Sayed, E.| El-Sharkawy, A.A.| Abdel-Kader, M.F.| Moussa, A.| Abdel-Kader, R.F.	7	57217079146| 57610163500| 37013065100| 58229013600| 57608036400| 36155022900| 26532393000	2022	2022-01-01	Lecture Notes on Data Engineering and Communications Technologies	English
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V	Solheid, J.S.| Elkaseer, A.| Wunsch, T.| Charles, A.P.| Seifert, H.J.| Pfleging, W.	6	57204610978| 54786368200| 55828213600| 57204613010| 7202738533| 6701632312	2020	2020-01-01	Proceedings of SPIE - The International Society for Optical Engineering	English
Solidification of Alum Industry Waste for Producing Geopolymer Mortar	Abdelmawla, M.| Abdelaal, A.| Beheary, M.S.| Abdullah, N.A.| Razek, T.M.A.	5	57213174863| 60021830500| 6504203919| 57213171292| 15119669400	2020	2020-11-01	Egyptian Journal of Chemistry	English
Gas-tight means zero defects - design considerations for thin-walled fluidic devices with overhangs by laser powder bed fusion	Grinschek, F.| Charles, A.| Elkaseer, A.| Klahn, C.| Scholz, S.G.| Dittmeyer, R.	6	57207938231| 57204613010| 54786368200| 56202742500| 35200000400| 6701319947	2022	2022-11-01	Materials and Design	English
Exploring the sources, occurrence, transformation, toxicity, monitoring, and remediation strategies of per- and polyfluoroalkyl substances: a review	Elgarahy, A.M.| Eloffy, M.G.| Saber, A.N.| Abouzid, M.| Rashad, E.| Ghorab, M.A.| El-Sherif, D.M.| Elwakeel, K.Z.	8	57192696143| 55919580700| 54954871200| 57204445082| 57226160124| 38361490900| 57307212500| 9433357000	2024	2024-12-01	Environmental Monitoring and Assessment	English
A State-of-the-Art Review and Bibliometric Analysis on the Smart Preservation of Heritages	Shehata, A.O.| Noroozinejad Farsangi, E.| Mirjalili, S.| Yang, T.Y.	4	57882214000| 36240229200| 51461922300| 34979662000	2024	2024-12-01	Buildings	English
Two Eco-Friendly Chromatographic Methods Evaluated by GAPI for Simultaneous Determination of the Fluoroquinolones Moxifloxacin, Levofloxacin, and Gemifloxacin in Their Pharmaceutical Products	Abdel Hameed, E.A.| Abd El-Naby, Z.A.| El Gindy, A.| Saraya, R.E.| Al balawi, A.N.| Zaitone, S.A.| Khairy, G.M.	7	55556855200| 57861206400| 55406408600| 57194873555| 57269925900| 37082509100| 35976286000	2022	2022-11-01	Separations	English
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
Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication	Elkaseer, A.| Müller, T.| Rabsch, D.| Scholz, S.G.	4	54786368200| 55498424000| 57217828658| 35200000400	2021	2021-01-01	Smart Innovation, Systems and Technologies	English
Graphical analysis and revamping of crude distillation units under variable operational scenarios	Abo-mousa, A.G.| Kamel, D.A.| Elazab, H.A.| Gadalla, M.A.| Fouad, M.K.	5	57919230900| 55902257200| 57197864132| 14048292400| 7005777140	2023	2023-12-01	Case Studies in Chemical and Environmental Engineering	English
Vehicle-Mounted Fog-Node with LoRaWAN for Rural Data Collection	Sobhi, S.| Elzanaty, A.| Ghuniem, A.M.| Abdelkader, M.F.	4	58043544400| 55822400800| 6506385124| 37016152600	2022	2022-01-01	IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC	English
Performance assessment and process optimization of a sulfur recovery unit: a real starting up plant	Ibrahim, A.Y.| Ashour, F.H.| Gadalla, M.A.| Abdelhaleem, A.	4	57220990816| 57788821500| 14048292400| 57194498826	2023	2023-03-01	Environmental Monitoring and Assessment	English
Market Orientation and New Product Development Performance in Egyptian Food Industry: The Mediating Role of Marketing Technical Integration	Ghonim, M.A.| Zakaria Elsawy, W.| Elsotouhy, M.| Khashan, M.A.	4	57218669587| 57682816000| 57224985471| 57208782685	2022	2022-01-01	Journal of Food Products Marketing	English
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	Kulikova, Y.| Ilinykh, G.| Sliusar, N.| Babich, O.| Bassyouni, M.	5	57982159500| 57201851767| 56018223300| 55226327700| 57193261423	2024	2024-07-01	Energy Conversion and Management: X	English
Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining	Aboueleaz, M.A.| Naeim, N.| Abdelgaliel, I.H.| Aly, M.F.| Elkaseer, A.	5	58099396500| 57216907821| 57539205200| 36676361200| 54786368200	2023	2023-12-01	Journal of Manufacturing and Materials Processing	English

Responses, Empirical Modeling and Multi-Objective Optimization							
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	Hassan, S.| Abo Eleinen, O.| Hassan, A.| Megahed, N.	4	57678804100| 57214334960| 57214328061| 55941539500	2024	2024-01-01	Engineering, Construction and Architectural Management	English
Examining Nursing Students' Prevalence of Nomophobia, and Psychological Alienation and Their Correlates With Fear of Missing Out: A Multisites Survey	Gaber Hamzaa, H.| Atta, M.H.R.| Elghareap Hassan Elmetwally Omar, M.| Reda Fathy Abdel Majeed Machaly, E.| Mohamed Amin, S.| Mohamed Ibrahim Wahba, N.	6	59128248800| 59316343700| 59591228000| 59476158900| 58526204800| 59476463500	2024	2024-01-01	SAGE Open Nursing	English
Aspect-oriented analytics of big data	Ali, N.M.	1	5.72E+10	2020	2020-01-01	CEUR Workshop Proceedings	English
On the correlation between pre-processing workflow and dimensional accuracy of 3D printed parts in high-precision Material Jetting	Chen, K.J.| Elkaseer, A.| Scholz, S.G.| Hagenmeyer, V.	4	57205365600| 54786368200| 35200000400| 15837418700	2024	2024-07-05	Additive Manufacturing	English
The Internet of Robotic Things: A Review of Concept, Challenges and Applications	ElBanhawy, M.| Mohamed, A.| Saber, W.| Rizk, R.Y.	4	58620568200| 57217369983| 56081796100| 26649135100	2023	2023-01-01	Lecture Notes on Data Engineering and Communications Technologies	English
Experimental Analyses and Predictive Modelling of Ultrasonic Welding Parameters for Enhancing Smart Textile Fabrication	Baraya, M.| El-Asfoury, M.S.| Fadel, O.O.| Abass, A.	4	57214796273| 57188814395| 57194029608| 55791933400	2024	2024-03-01	Sensors	English
AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY	Gharib-Yosry, A.| Valdes, R.E.| Blanco-Marigorta, E.| Alvarez-Alvarez, E.	4	57204932141| 57208819552| 57226002189| 57216442051	2022	2022-01-01	Proceedings of ASME 2022 16th International Conference on Energy Sustainability, ES 2022	English
Photocatalytic Degradation of Chlorinated Hydrocarbons: The By-Product of the Petrochemical Industry Using Ag-Cu/Graphite Bimetallic Carbon Nitride	Blall, E.G.| Toderas, M.| Ezzat, A.A.| Abdou, H.A.| Mahmoud, A.S.| Shokry, F.	6	57897022000| 55963977100| 57218863794| 57897979800| 58995161100| 57214800110	2023	2023-11-01	Sustainability (Switzerland)	English
Experimental and numerical investigation of a three-blade horizontal axis hydrokinetic water turbine (HAHWT) in high blockage conditions	Ferraiuolo, R.| Pugliese, F.| Álvarez Álvarez, E.| Yosry, A.G.| Giugni, M.| Del Giudice, G.	6	57217728824| 56825345000| 57216442051| 59360183400| 6602833850| 58044921800	2024	2024-12-01	Renewable Energy	English
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	Elhady, S.| Bassyouni, M.| Elshikhiby, M.Z.| Saleh, M.Y.| Elzahar, M.H.	5	57216653430| 57193261423| 59174283800| 57217049484| 59100682500	2024	2024-12-01	Discover Sustainability	English
Correlation between Polyaromatic Hydrocarbons (PAHs) Discharges at El-Manzala Wetland with the Relative Gene Expression of CYP19 Gene of the Nile Tilapia (Oreochromis. niloticus)	El-Kady, M.A.H.| Mansour, H.A.A.| Abu Almaaty, A.H.	3	9232508100| 59080606300| 8703545300	2022	2022-07-01	Egyptian Journal of Aquatic Biology and Fisheries	English
An adaptive optimized handover decision model for heterogeneous networks	Ezz-Eldien, N.A.| Abdel-Atty, H.M.| Abdalla, M.I.| Mahmoud, K.R.| Abdelkader, M.F.	5	57221496541| 36175601000| 7102448364| 14031747200| 37016152600	2023	2023-10-13	PLoS ONE	English
A machine learning-based framework for efficient LTE downlink throughput	Mohammed, N.H.| Nashaat, H.| Abdel-Mageid, S.M.| Rizk, R.Y.	4	57218896898| 41561671500| 36496501700| 26649135100	2021	2021-01-01	Studies in Computational Intelligence	English
Efficient Noise Reduction System in Industrial IoT Data Streams	Abdel-Kader, R.F.| El-Sayad, N.E.| Rizk, R.Y.	3	35328967100| 57224352156| 26649135100	2022	2022-01-01	Lecture Notes on Data Engineering and Communications Technologies	English
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	Saleh, B.R.| El-Hadek, M.| Kouta, H.	3	58854769600| 36956146400| 57194032408	2023	2023-12-01	Journal of Solid Waste Technology and Management	English
Computational fluid dynamics-based design of anoxic bioreactor zone in wastewater treatment plant	Amin, I.| Elsakka, M.| Oterkus, S.| Nguyen, C.T.| Ozdemir, M.| El-Aassar, A.-H.| Shawky, H.| Oterkus, E.	8	57217016463| 57195454644| 55817858100| 57203104947| 57206321433| 54793019300| 6603004002| 8345890200	2022	2022-03-01	Desalination and Water Treatment	English

Development and Numerical Optimization of a System of Integrated Agents for Serial Production Lines	Alkhalefah, H.| Umer, U.| Abidi, M.H.| Elkaseer, A.	4	57203434201| 25634482900| 55582207400| 54786368200	2023	2023-05-01	Processes	English
Effect of copper cooperation to customize sustainable aluminum alloy through recycling approach	Naeim, N.| El-Asfoury, M.S.	2	57216907821| 57188814395	2024	2024-03-01	Journal of Mechanical Science and Technology	English
Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated	Abo-Mousa, A.G.| Kamel, D.A.| Elazab, H.A.| Gadalla, M.A.| Fouad, M.K.	5	57919230900| 55902257200| 57197864132| 14048292400| 7005777140	2022	2022-01-01	Chemical Engineering Transactions	English
Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion	Elkaseer, A.| Charles, A.| Schneider, S.| Scholz, S.G.	4	54786368200| 57204613010| 57216883658| 35200000400	2022	2022-06-01	Applied Sciences (Switzerland)	English
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	Ibrahim, N.| Abdelhalim, A.M.M.	2	57442436600| 58029778400	2024	2024-01-01	Studies in Systems, Decision and Control	English
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	Mahrouqi, J.A.| Meqbali, N.A.| Mahmoud, M.S.| Barakat, N.A.M.| Farrag, T.E.| Abdel-Aty, M.M.	6	58892193900| 58890833100| 15136077300| 21741818400| 24070449300| 58138399500	2023	2023-12-01	Environmental Engineering and Management Journal	English
Power grids with renewable energy: Storage, integration and digitalization	Sallam, A.A.| Malik, O.P.	2	7004461634| 7102619659	2021	2021-01-01	Power Grids with Renewable Energy: Storage, integration and digitalization	English
Proposed HCDNA for Enhancing the Security of Marine Environment IoT Systems	Ahmed, T.E.| Raslan, W.A.| Ghouniem, A.| Abdel-Atty, H.M.	4	58133913900| 24779683800| 58134517200| 36175601000	2022	2022-01-01	Proceedings of the 10th International Japan-Africa Conference on Electronics, Communications, and Computations, JAC-ECC 2022	English
Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D Micro-Devices	Scholz, S.| Elkaseer, A.| Salem, M.| Hagenmeyer, V.	4	35200000400| 54786368200| 57214529120| 15837418700	2020	2020-01-01	Advances in Intelligent Systems and Computing	English
Mechanical tolerance analysis using approximations and the Monte Carlo method	Fadel, O.O.| Gadallah, M.H.| Zaghloul, M.A.| Kouta, H.K.	4	57194029608| 7005555423| 57194032060| 57194032408	2020	2020-01-01	Journal of Engineering and Applied Science	English
Sustainable transportation: An overview and fusion for the last decade	El-Bany, M.E.-S.	1	5.64E+10	2021	2021-01-01	International Journal of Engineering Research in Africa	English
Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical-Axis Wind Turbine	Yosry, A.G.| Álvarez, E.Á.| Valdés, R.E.| Francos, J.F.| Marigorta, E.B.	5	57204932141| 57216442051| 57208819552| 56178079500| 57226002189	2023	2023-01-01	Proceedings of the ASME Turbo Expo	English
Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery	Sadek, M.A.| Gadalla, M.A.| Shedid, N.| Ahmed, D.| Elazab, H.A.	5	57202264046| 14048292400| 58259280700| 55902257200| 57197864132	2023	2023-01-01	Chemical Engineering Transactions	English
MATLAB MODEL FOR THE DESIGN OF HEAT EXCHANGER NETWORKS IN CHEMICAL PROCESSES	Hussein, M.A.| Gadalla, M.| Ahmed, D.	3	57560114300| 14048292400| 55902257200	2022	2022-01-01	ARPN Journal of Engineering and Applied Sciences	English
The Reciprocal Relationship Between Urban Form and Social Sustainability Aspects	Mohamed, A.N.| Mokadem, A.E.| Badawy, N.M.| Ali, S.M.	4	57963488700| 57204557935| 56736588300| 57963854400	2024	2024-01-01	Advances in Science, Technology and Innovation	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
Efficient Optimization Model for Buffer Size Problem in Production Line with Rework Path	Alkhalefah, H.| Abidi, M.H.| Umer, U.| Elkaseer, A.	4	57203434201| 55582207400| 25634482900| 54786368200	2021	2021-01-01	Proceedings of the International Conference on Industrial	English

						Engineering and Operations Management	
Preliminary Failure Analyses of Loaded Hot Water Bottles	Towler, J.| Baraya, M.| Ran, Z.| Alshammari, A.| Arif, S.| Desai, M.| Palanivel, S.| Readioff, R.| Abass, A.	9	58176487300| 57214796273| 58493388100| 59171861500| 59172340900| 59172341000| 59172341100| 57218121627| 55791933400	2024	2024-06-01	Applied Sciences (Switzerland)	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
Development of an Optimization Model for Multiple Production Systems with Split and Merge	Alkhalefah, H.| Abidi, M.H.| Umer, U.| Elkaseer, A.	4	57203434201| 55582207400| 25634482900| 54786368200	2021	2021-01-01	Proceedings of the International Conference on Industrial Engineering and Operations Management	English
Utilization of Neural Network-Based Approach in Bike Routes Optimization for Port Said Urban Road Network	El-Bany, M.S.	1	5.64E+10	2021	2021-01-01	Advances in Science, Technology and Innovation	English
Symmetry and Analysis of Fluid Queueing Systems Driven by Non-Truncated Erlangian Service Queues	El-Paoumy, M.S.| Radwan, T.	2	35748366500| 57223021036	2024	2024-07-01	Symmetry	English
Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	Elhady, S.| Bassyouni, M.| Elzahar, M.H.| Saleh, M.Y.| Elshikhiby, M.Z.	5	57216653430| 57193261423| 59100682500| 57217049484| 59174283800	2024	2024-12-01	Egyptian Journal of Chemistry	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
Hydrogen production, storage, utilisation and environmental impacts: a review	6.34	519	736	11.57	62.81	1	1	1	6
Recent advances in carbon capture storage and utilisation technologies: a review	8.39	786	642	6.91	71.64	1	2	1	6
A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process	2.67	171	569	9.33	45.35	1	1	0	0
Conversion of biomass to biofuels and life cycle assessment: a review	3.34	308	519	5.22	71.64	1	3	1	1
Insight on water remediation application using magnetic nanomaterials and biosorbents	3.48	202	313	4.38	44.49	1	4	0	0
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	3.71	108	153	12.73	12.02	1	1	0	0

Material jetting for advanced applications: A state-of-the-art review, gaps and future directions	2.06	93	146	3.58	40.48	1	5	0	0
Adsorption of polluted dyes from water by transition metal oxides: A review	1.77	34	138	13.08	10.55	1	1	0	0
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
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	2.18	127	126	3.16	39.82	1	7	0	0
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels	1.17	38	96	3.88	12.88	3	5	0	0
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	1.63	56	94	4.58	12.88	3	4	0	0
Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview	1.28	90	90	1.51	53.15	2	18	0	0
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	1.94	67	86	1.99	42.81	2	13	0	0
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
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	2.31	94	83	3.23	25.73	1	6	0	0
Use of biopolymers in wastewater treatment: A brief review of current trends and prospects	0.95	34	79	2.75	28.69	1	8	0	0
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential	9.24	289	72	3.89	18.49	1	5	0	0

utilizations: A systematic review									
Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture	1.73	52	65	3.09	14.22	4	7	0	0
A green synthesis of cellulose nanocrystals biosorbent for remediation of wastewater containing industrial dye	1.94	26	63	10.48	5.92	1	1	0	0
Elucidation of dross formation in laser powder bed fusion at down-facing surfaces: Phenomenon-oriented multiphysics simulation and experimental validation	3.28	80	53	3.84	13.81	3	5	0	0
Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts	3.18	87	51	2.21	18.08	5	11	0	0
Design and performance a novel hybrid membrane distillation/humidification–dehumidification system	2.91	64	51	4.82	10.59	2	3	0	0
Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition	1.61	42	51	3.02	13.26	5	7	0	0
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	1.49	42	50	4.92	10.17	2	3	0	0
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	1.64	60	48	2.12	15.54	8	11	0	0
Effective methods for removing different types of dyes – modelling analysisstatistical physics treatment and DFT calculations: a review	1.48	35	47	3.79	12.42	4	5	0	0
Hydrogen production from wastewater, storage, economy, governance and applications: a review	1.5	110	46	0.73	62.81	4	38	0	0
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	2.18	71	39	2	14.96	8	13	0	0
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	4.33	119	39	2.54	15.36	1	10	0	0

Extraction of Nanocellulose for Eco-Friendly Biocomposite Adsorbent for Wastewater Treatment	3.52	83	38	2.54	14.94	5	9	0	0
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	2.02	51	38	4.06	9.12	3	4	0	0
Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium	1.74	49	38	2.04	14.23	8	12	1	0
Toward a national life cycle assessment tool: Generative design for early decision support	7.52	181	38	2.74	13.88	5	8	0	0
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V	0.93	35	36	2.02	12.88	12	12	0	0
Multi-Objective Optimization of Performance Indicators in Turning of AISI 1045 under Dry Cutting Conditions	2.41	45	32	3.3	9.68	4	6	0	0
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	6.92	299	31	8.61	3.6	2	2	0	0
A review on the synergistic efficacy of sonication-assisted water treatment process with special attention given to microplastics	2.98	39	31	4.94	6.28	2	4	0	0
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism	2.48	81	31	1.94	12.35	11	13	0	0
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system	2.83	58	31	6.58	2.74	14	2	0	0
Evolution of BIM to DTs: A Paradigm Shift for the Post-Pandemic AECO Industry	0.72	40	31	1.08	28.69	7	27	0	0
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
Effect of Process Parameters on the Performance of Drop-On-	1.1	26	30	2.01	14.94	8	13	0	0

Demand 3D Inkjet Printing: Geometrical-Based Modeling and Experimental Validation									
Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait	3.26	76	25	1.87	11.25	14	14	0	0
Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304	2.41	44	21	2.19	9.61	7	12	0	0
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	2.9	67	20	1.37	14.65	3	22	0	0
Energy Management of Microgrids Using Load Shifting and Multi-agent System	0.97	26	20	0.95	14.67	22	29	0	0
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	2.85	57	20	2.7	7.4	8	8	0	0
Fundamental investigation into tool wear and surface quality in high-speed machining of Ti6Al4V alloy	1.47	36	20	0.92	14.09	18	31	0	0
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	4.66	121	19	2.05	9.27	8	13	0	0
Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces	1.58	45	18	1.23	13.83	20	23	0	0
Experimental Investigation and Optimization of Turning Polymers Using RSM, GA, Hybrid FFD-GA, and MOGA Methods	1.06	25	18	1.2	14.94	15	24	0	0
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical greening systems (VGS)	2.98	83	18	2.22	8.09	9	11	0	0
Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent	2.08	25	18	4.43	4.06	4	4	0	0

Diverse applications of versatile quaternized chitosan salts: A review	1.18	22	17	1.44	11.78	4	20	0	0
Investigating the role of the urban environment in controlling pandemics transmission: Lessons from history	0.84	39	16	0.46	34.42	17	51	0	0
Simulated soil water distribution patterns and water use of Alfalfa under different subsurface drip irrigation depths	3.88	47	16	4.12	3.88	4	5	0	0
Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8)	4.36	79	16	18.5	0.86	17	1	0	0
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts	1.24	45	16	1.07	12.2	27	26	0	0
Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes	4.68	57	15	1.94	7.72	5	15	0	0
Multiobjective Optimization of Laser Polishing of Additively Manufactured Ti-6Al-4V Parts for Minimum Surface Roughness and Heat-Affected Zone	1.8	39	15	1.12	13.35	18	26	0	0
An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651	1.73	38	15	1.2	12.46	18	24	0	0
Handover Performance Improvement in Heterogeneous Wireless Network	0.63	10	15	1.73	4.63	28	15	0	0
In-process digital monitoring of additive manufacturing: Proposed machine learning approach and potential implications on sustainability	3.5	124	15	3.54	3.96	24	5	0	0
Adsorption of Gentian violet dye onto mesoporous aluminosilica	0.52	22	15	1.88	4.78	5	15	0	0

monoliths: nanoarchitectonics and application to industrial wastewater									
Enhancing Object Detection in Remote Sensing: A Hybrid YOLOv7 and Transformer Approach with Automatic Model Selection	0.69	6	12	2.78	4.31	6	9	0	0
The Neutrosophic Treatment for Multiple Storage Problem of Finite Materials and Volumes	1.5	17	12	2.22	5.4	22	11	0	0
Predicting Forced Blower Failures Using Machine Learning Algorithms and Vibration Data for Effective Maintenance Strategies	6.62	142	12	1.18	10.19	15	25	0	0
Improving and Predicting the Surface Roughness and the Machining Accuracy in Ultrasonic Vibration-Assisted Milling	1.66	19	11	2.68	4.11	7	9	0	0
Influences of greenly synthesized iron oxide nanoparticles on the bioremediation of dairy effluent using selected microbial isolates	1.54	56	11	0.81	13.57	24	35	0	0
Synthesis and application of a novel self-smart sensor based on a modified amino-functionalized Zr-metal–organic framework for rapid and selective detection of some toxic metals in wastewater	1.09	18	11	1.16	9.52	16	25	0	0
Modified coal fly ash for textile dye removal from industrial wastewater	1.37	39	11	1.48	6.74	7	20	0	0
Analytical Performance and Greenness Evaluation of Five Multi-Level Design Models Utilized for Impurity Profiling of Favipiravir, a Promising COVID-19 Antiviral Drug	1.53	30	11	0.94	11.65	24	31	0	0
Ten questions concerning the integration of digital fabrication techniques into the architectural design process	0.62	55	10	0.87	10.32	8	32	0	0
Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades	2.45	66	10	0.61	14.81	33	43	0	0
An Experimental Study of Indoor Air Quality Enhancement Using Breathing Walls	0.5	15	10	1	10	26	29	0	0

Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms	0.78	31	10	0.32	18.57	38	57	0	0
A conceptual efficient design of energy recovery systems using a new energy-area key parameter	2.71	87	9	0.46	19.37	36	50	0	0
Impact of organic peroxide on a moderate molecular weight homo-polypropylene vis breaking, and mechanism of interaction	0.57	6	9	2.04	4.41	9	14	0	0
Assessing Xeriscaping as a Retrofit Sustainable Water Consumption Approach for a Desert University Campus	2.34	53	9	0.84	10.67	29	34	1	1
Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0	0.91	22	9	0.43	18.65	36	52	0	0
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
Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines	2.43	61	8	0.52	13.48	38	47	0	0
Study Attenuation Parameters and Physical Properties of Silicone Rubber Reinforced with Nano- and Micro-Sized Aluminum Oxide Composites	1.79	19	8	1.5	5.33	11	20	0	0
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	3.74	49	8	1.27	6.28	11	23	0	0
A Low-Cost Multi-sensor Deep Learning System for Pavement Distress Detection and Severity Classification	1.01	17	8	2.97	2.69	32	7	0	0
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V	2.66	34	8	2.75	2.54	43	8	0	0

Solidification of Alum Industry Waste for Producing Geopolymer Mortar	0.56	20	7	0.29	13.59	45	59	0	0
Gas-tight means zero defects - design considerations for thin-walled fluidic devices with overhangs by laser powder bed fusion	2.23	52	7	0.49	14.38	35	49	0	0
Exploring the sources, occurrence, transformation, toxicity, monitoring, and remediation strategies of per- and polyfluoroalkyl substances: a review	1.46	52	7	0.55	12.71	13	42	0	0
A State-of-the-Art Review and Bibliometric Analysis on the Smart Preservation of Heritages	0.66	32	7	0.6	11.76	13	40	0	0
Two Eco-Friendly Chromatographic Methods Evaluated by GAPI for Simultaneous Determination of the Fluoroquinolones Moxifloxacin, Levofloxacin, and Gemifloxacin in Their Pharmaceutical Products	0.7	19	7	0.38	18.2	35	56	0	0
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	1.88	30	7	1.41	4.97	13	21	0	0
Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication	1.39	48	7	1.52	3.96	41	18	0	0
Graphical analysis and revamping of crude distillation units under variable operational scenarios	1.33	30	6	0.61	9.76	28	43	0	0
Vehicle-Mounted Fog-Node with LoRaWAN for Rural Data Collection	2.02	16	6	1.85	3.24	38	14	0	0
Performance assessment and process optimization of a sulfur recovery unit: a real starting up plant	1.88	55	6	0.54	11.06	28	46	0	0
Market Orientation and New Product Development Performance in Egyptian Food Industry: The Mediating Role of Marketing Technical Integration	0.65	30	5	0.31	16.19	42	60	0	0
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

Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining Responses, Empirical Modeling and Multi-Objective Optimization	2.14	49	5	0.48	10.44	32	49	0	0
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	1.34	32	5	1.16	4.32	18	25	0	0
Examining Nursing Students' Prevalence of Nomophobia, and Psychological Alienation and Their Correlates With Fear of Missing Out: A Multisites Survey	1.31	21	4	1.96	2.04	22	14	0	0
Aspect-oriented analytics of big data	0.91	17	4	0.8	4.98	56	34	0	0
On the correlation between pre-processing workflow and dimensional accuracy of 3D printed parts in high-precision Material Jetting	2.02	29	4	0.79	5.09	22	35	0	0
The Internet of Robotic Things: A Review of Concept, Challenges and Applications	1.71	15	4	1.64	2.45	37	17	0	0
Experimental Analyses and Predictive Modelling of Ultrasonic Welding Parameters for Enhancing Smart Textile Fabrication	1.79	21	4	0.83	4.81	22	33	0	0
AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY	0.67	6	3	1.32	2.27	53	22	0	0
Photocatalytic Degradation of Chlorinated Hydrocarbons: The By-Product of the Petrochemical Industry Using Ag-Cu/Graphite Bimetallic Carbon Nitride	0.08	2	3	0.32	9.27	43	58	0	0
Experimental and numerical investigation of a three-blade horizontal axis hydrokinetic water turbine (HAHWT) in high blockage conditions	0.97	21	3	0.35	8.53	27	51	0	0
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	1.32	25	3	0.64	4.72	27	39	0	0
Correlation between Polyaromatic	0.31	6	3	0.35	8.46	53	58	0	0

Hydrocarbons (PAHs) Discharges at El-Manzala Wetland with the Relative Gene Expression of CYP19 Gene of the Nile Tilapia (Oreochromis. niloticus)									
An adaptive optimized handover decision model for heterogeneous networks	0.53	11	2	0.19	10.74	50	66	0	0
A machine learning-based framework for efficient LTE downlink throughput	0.56	25	2	0.41	4.88	64	53	0	0
Efficient Noise Reduction System in Industrial IoT Data Streams	0.6	12	2	0.74	2.69	60	38	0	0
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	3.64	126	2	0.14	14.08	50	69	0	0
Computational fluid dynamics-based design of anoxic bioreactor zone in wastewater treatment plant	1.69	40	2	0.16	12.42	60	71	0	0
Development and Numerical Optimization of a System of Integrated Agents for Serial Production Lines	3.07	58	1	0.11	8.87	60	71	0	0
Effect of copper cooperation to customize sustainable aluminum alloy through recycling approach	3.05	43	1	0.18	5.55	45	60	0	0
Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated	0.62	15	1	0.07	14.34	68	78	0	0
Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion	1.09	25	1	0.08	12.83	68	77	0	0
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	1.44	25	1	1.02	0.98	45	29	0	0
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	0.7	22	1	0.08	11.78	60	73	0	0
Power grids with renewable energy:	2.43	31	1	0.13	7.61	71	72	0	0

Storage, integration and digitalization									
Proposed HCDNA for Enhancing the Security of Marine Environment IoT Systems	0.97	9	1	0.29	3.45	68	62	0	0
Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D Micro-Devices	0.78	24	1	0.24	4.1	73	62	0	0
Mechanical tolerance analysis using approximations and the Monte Carlo method	0.55	16	0	0	9.45	83	78	0	0
Sustainable transportation: An overview and fusion for the last decade	0.36	9	0	0	10.85	82	79	0	0
Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical-Axis Wind Turbine	0.79	6	0	0	1.4	73	73	0	0
Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery	1.32	27	0	0	10.53	73	73	0	0
MATLAB MODEL FOR THE DESIGN OF HEAT EXCHANGER NETWORKS IN CHEMICAL PROCESSES	0.87	22	0	0	10.75	79	79	0	0
The Reciprocal Relationship Between Urban Form and Social Sustainability Aspects	1.7	12	0	0	0.41	62	61	0	0
New Efficient Configurations for Sour Wastewater Treatment	1.74	42	0	0	14.34	79	79	0	0
Efficient Optimization Model for Buffer Size Problem in Production Line with Rework Path	0.96	21	0	0	2.35	82	79	0	0
Preliminary Failure Analyses of Loaded Hot Water Bottles	0.75	10	0	0	5.06	62	61	0	0
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle	0.7	21	0	0	14.23	82	79	0	0
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	1.28	17	0	0	4.86	62	61	0	0
Development of an Optimization Model for Multiple Production Systems with Split and Merge	0.82	19	0	0	2.35	82	79	0	0

Utilization of Neural Network-Based Approach in Bike Routes Optimization for Port Said Urban Road Network	0.72	19	0	0	2.33	82	79	0	0
Symmetry and Analysis of Fluid Queueing Systems Driven by Non-Truncated Erlangian Service Queues	0.11	1	0	0	2.59	62	61	0	0
Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	0.65	9	0	0	5.65	62	61	0	0

Title	Reference	Abstract	DOI	Publication type	Open Access	EID	PubMed ID	Institutions	Number of Institutions
Hydrogen production, storage, utilisation and environmental impacts: a review	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	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
Recent advances in carbon capture storage and utilisation technologies: a review	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	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
A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process	Elgarahy, A.M., Elwakeel, K.Z., Mohammad, S.H. and 1 more (...) (2021).A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process. Cleaner Engineering and Technology,4	https://www.scopus.com/record/display.url?eid=2-s2.0-85114025405&origin=resultslist	10.1016/j.clet.2021.100209	Review	Gold	2-s2.0-85114025405	-	University of Jeddah| Suez Canal University| Port Said University	3
Conversion of biomass to biofuels and life cycle assessment: a review	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	https://www.scopus.com/record/display.url?eid=2-s2.0-85111111734&origin=resultslist	10.1007/s10311-021-01273-0	Review	Hybrid gold|Green	2-s2.0-85111111734	-	Sultan Qaboos University| Queen's University Belfast| Port Said University| Egyptian Propylene & Polypropylene Company	4
Insight on water remediation application using magnetic	Abdel Maksoud, M.I.A., Elgarahy, A.M., Farrell, C. and 3 more (...) (2020).Insight on water remediation application using magnetic nanomaterials and	https://www.scopus.com/record/display.url?eid=2-s2.0-85074566536&origin=resultslist	10.1016/j.ccr.2019.213096	Review		2-s2.0-85074566536	-	Sultan Qaboos University| Egyptian Atomic Energy Authority| Queen's University Belfast| Port Said University	4

nanomaterials and biosorbents	biosorbents. Coordination Chemistry Reviews,403								
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	Osman, A.I., Chen, Z., Elgarahy, A.M. and 5 more (...) (2024).Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects. Advanced Energy and Sustainability Research,5(5)	https://www.scopus.com/record/display.url?eid=2-s2.0-85185279018&origin=resultslist	10.1002/aesr.202400011	Review	Gold	2-s2.0-85185279018	-	ICAR - Indian Institute of Soil and Water Conservation| Kobe University| Xi'an Jiaotong-Liverpool University| National Institute of Oceanography and Fisheries| Queen's University Belfast| Port Said University| Egyptian Propylene & Polypropylene Company| Assiut University	8
Material jetting for advanced applications: A state-of-the-art review, gaps and future directions	Elkaseer, A., Chen, K.J., Janhsen, J.C. and 3 more (...) (2022).Material jetting for advanced applications: A state-of-the-art review, gaps and future directions. Additive Manufacturing,60	https://www.scopus.com/record/display.url?eid=2-s2.0-85141452061&origin=resultslist	10.1016/j.addma.2022.103270	Review	Hybrid gold|Green	2-s2.0-85141452061	-	Karlsruhe Institute of Technology| Fraunhofer Institute for Manufacturing Engineering and Automation| Port Said University	3
Adsorption of polluted dyes from water by transition metal oxides: A review	Hosny, N.M., Gomaa, I., Elmahgary, M.G. (2023).Adsorption of polluted dyes from water by transition metal oxides: A review. Applied Surface Science Advances,15	https://www.scopus.com/record/display.url?eid=2-s2.0-85151405756&origin=resultslist	10.1016/j.apsadv.2023.100395	Article	Gold	2-s2.0-85151405756	-	The British University in Egypt| Massachusetts Institute of Technology| Port Said University	3
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	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	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
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	Osman, A.I., Lai, Z.Y., Farghali, M. and 7 more (...) (2023).Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production. Environmental Chemistry Letters,21(5) 2639-2705	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
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels	Qudeiri, J.E.A., Zaiout, A., Mourad, A.-H.I. and 2 more (...) (2020).Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels. Applied Sciences (Switzerland),10(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85082675739&origin=resultslist	10.3390/app10062082	Article	Gold|Green	2-s2.0-85082675739	-	United Arab Emirates University| King Saud University| Raytheon| Karlsruhe Institute of Technology| Port Said University	5
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	Elkaseer, A., Schneider, S., Scholz, S.G. (2020).Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing. Applied Sciences (Switzerland),10(8)	https://www.scopus.com/record/display.url?eid=2-s2.0-85085134183&origin=resultslist	10.3390/APP10082899	Article	Gold|Green	2-s2.0-85085134183	-	Karlsruhe Institute of Technology| Swansea University| Port Said University	3
Recent advances in greenly synthesized nanoengineered materials for water/wastewater	Elgarahy, A.M., Elwakeel, K.Z., Akhdhar, A. and 1 more (...) (2021).Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview.	https://www.scopus.com/record/display.url?eid=2-s2.0-85101080018&origin=resultslist	10.1007/s41204-021-00104-5	Review		2-s2.0-85101080018	-	Nuclear Materials Authority| University of Jeddah| Guangxi University| Port Said University| Egyptian Propylene & Polypropylene Company	5

remediation: an overview	Nanotechnology for Environmental Engineering,6(1)								
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	Mashabi, R.A., Khan, Z.A., Elwakeel, K.Z. (2022).Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review. Materials Advances,3(14) 5645-5671	https://www.scopus.com/record/display.uri?eid=2-s2.0-85133124075&origin=resultslist	10.1039/d2ma00320a	Review	Gold	2-s2.0-85133124075	-	University of Jeddah| Port Said University	2
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. 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	https://www.scopus.com/record/display.uri?eid=2-s2.0-85138060052&origin=resultslist	10.1021/acssuschemeng.2c04095	Article	Hybrid gold|Green	2-s2.0-85138060052	-	King Saud University| Sultan Qaboos University| Queen's University Belfast| Port Said University| Egyptian Propylene & Polypropylene Company	5
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	Elgarahy, A.M., Maged, A., Eloffy, M.G. and 4 more (...) (2023).Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment. Separation and Purification Technology,324	https://www.scopus.com/record/display.uri?eid=2-s2.0-85165602917&origin=resultslist	10.1016/j.seppur.2023.124631	Review	Hybrid gold	2-s2.0-85165602917	-	Suez University| University of Jeddah| Menoufia University| Lappeenranta-Lahti University of Technology| National Institute of Oceanography and Fisheries| Port Said University| Egyptian Propylene & Polypropylene Company	7
Use of biopolymers in wastewater treatment: A brief review of current trends and prospects	Elgarahy, A.M., Eloffy, M.G., Guibal, E. and 2 more (...) (2023).Use of biopolymers in wastewater treatment: A brief review of current trends and prospects. Chinese Journal of Chemical Engineering,64292-320	https://www.scopus.com/record/display.uri?eid=2-s2.0-85176979694&origin=resultslist	10.1016/j.cjche.2023.05.018	Review	Bronze|Green	2-s2.0-85176979694	-	University of Jeddah| Institut Mines-Télécom| IMT Mines Alès| National Institute of Oceanography and Fisheries| Port Said University| Egyptian Propylene & Polypropylene Company	6
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	Elgarahy, A.M., Eloffy, M.G., Alengebawy, A. and 4 more (...) (2023).Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review. Environmental Research,225	https://www.scopus.com/record/display.uri?eid=2-s2.0-85149284328&origin=resultslist	10.1016/j.envres.2023.115558	Review		2-s2.0-85149284328	36842700	China Agricultural University| Huazhong Agricultural University| National Research Center| Ministry of Agriculture of the People's Republic of China| National Institute of Oceanography and Fisheries| Port Said University| Egyptian Propylene & Polypropylene Company	7
Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture	Charles, A., Elkaseer, A., Paggi, U. and 3 more (...) (2021).Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture. Additive Manufacturing,46	https://www.scopus.com/record/display.uri?eid=2-s2.0-85110081327&origin=resultslist	10.1016/j.addma.2021.102148	Article	Hybrid gold|Green	2-s2.0-85110081327	-	Karlsruhe Institute of Technology| Swansea University| KU Leuven| Port Said University	4
A green synthesis of cellulose nanocrystals biosorbent for remediation of wastewater containing industrial dye	El-Fattah, W.A., Guesmi, A., Ben Hamadi, N. and 2 more (...) (2024).A green synthesis of cellulose nanocrystals biosorbent for remediation of wastewater containing industrial dye. Colloids and Surfaces A: Physicochemical and Engineering Aspects,681	https://www.scopus.com/record/display.uri?eid=2-s2.0-85177751077&origin=resultslist	10.1016/j.colsurfa.2023.132729	Article		2-s2.0-85177751077	-	Al-Imam Muhammad Ibn Saud Islamic University| Suez University| Port Said University| Egyptian Propylene & Polypropylene Company	4
Elucidation of dross formation in laser powder bed fusion at down-facing surfaces:	Charles, A., Bayat, M., Elkaseer, A. and 3 more (...) (2022).Elucidation of dross formation in laser powder bed fusion at down-facing	https://www.scopus.com/record/display.uri?eid=2-s2.0-85121319776&origin=resultslist	10.1016/j.addma.2021.102551	Article	Hybrid gold|Green	2-s2.0-85121319776	-	Technical University of Denmark| Karlsruhe Institute of Technology| Swansea University| Port Said University	4

Phenomenon-oriented multiphysics simulation and experimental validation	surfaces: Phenomenon-oriented multiphysics simulation and experimental validation. Additive Manufacturing,50								
Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts	Fouad, K., Bassyouni, M., Alalm, M.G. and 1 more (...) (2021).Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts. Applied Physics A: Materials Science and Processing,127(8)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85110989528&origin=resultslist	10.1007/s00339-021-04724-1	Article		2-s2.0-85110989528	-	Mansoura University| University of Montreal| Zewail City of Science and Technology| Polytechnique Montreal| Port Said University	5
Design and performance a novel hybrid membrane distillation/humidification–dehumidification system	Elhenawy, Y., Fouad, K., Bassyouni, M. and 1 more (...) (2023).Design and performance a novel hybrid membrane distillation/humidification–dehumidification system. Energy Conversion and Management,286	https://www.scopus.com/record/display.uri?eid=2-s2.0-85153602253&origin=resultslist	10.1016/j.enconman.2023.117039	Article		2-s2.0-85153602253	-	University of the Witwatersrand| Port Said University	2
Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition	Mohsen, S., Elkaseer, A., Scholz, S.G. (2021).Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition. IEEE Access,9150508-150521	https://www.scopus.com/record/display.uri?eid=2-s2.0-85119583228&origin=resultslist	10.1109/ACCESS.2021.3125733	Article	Gold|Green	2-s2.0-85119583228	-	Karlsruhe Institute of Technology| Swansea University| Port Said University	3
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	Elgarahy, A.M., Maged, A., Elwakeel, K.Z. and 2 more (...) (2023).Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production. Environmental Research,216	https://www.scopus.com/record/display.uri?eid=2-s2.0-85141223489&origin=resultslist	10.1016/j.envres.2022.114522	Article		2-s2.0-85141223489	36243056	Suez University| National Research Center| Port Said University| Egyptian Propylene & Polypropylene Company	4
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	Tayeb, A.M., Farouq, R., Mohamed, O.A. and 1 more (...) (2020).Oil spill clean-up using combined sorbents: a comparative investigation and design aspects. International Journal of Environmental Analytical Chemistry,100(3) 311-323	https://www.scopus.com/record/display.uri?eid=2-s2.0-85068573007&origin=resultslist	10.1080/03067319.2019.1636976	Article		2-s2.0-85068573007	-	Menoufia University| Pharos University in Alexandria| Minia University| Port Said University	4
Effective methods for removing different types of dyes – modelling analysisstatistical physics treatment and DFT calculations: a review	El-Desouky, M.G., Khalil, M.A.G., El-Afify, M.A.M. and 2 more (...) (2022).Effective methods for removing different types of dyes – modelling analysisstatistical physics treatment and DFT calculations: a review. Desalination and Water Treatment,28089-127	https://www.scopus.com/record/display.uri?eid=2-s2.0-85148444891&origin=resultslist	10.5004/dwt.2022.29029	Article	Bronze	2-s2.0-85148444891	-	Port Said University| Egyptian Propylene & Polypropylene Company| Damietta University	3
Hydrogen production from wastewater, storage, economy, governance and applications: a review	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	https://www.scopus.com/record/display.uri?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
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	Gharib Yosry, A., Fernández-Jiménez, A., Álvarez-Álvarez, E. and 1 more (...) (2021).Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios. Energy Conversion and Management,237	https://www.scopus.com/record/display.uri?eid=2-s2.0-85104277768&origin=resultslist	10.1016/j.enconman.2021.114144	Article		2-s2.0-85104277768	-	University of Oviedo| Port Said University	2

Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	El Bari, H., Fanezoune, C.K., Dorneanu, B. and 10 more (...) (2024).Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview. Journal of Analytical and Applied Pyrolysis,178	https://www.scopus.com/record/display.url?eid=2-s2.0-85185834699&origin=resultslist	10.1016/j.jaap.2024.106390	Review	Green	2-s2.0-85185834699	-	Conservatoire national des arts et métiers| CNRS| Cairo University| Ibn Tofail University| University of the Witwatersrand| Institut de Recherche en Energie Solaire et Energies Nouvelles| Brandenburg University of Technology| Port Said University| Arts et Métiers ParisTech	9
Extraction of Nanocellulose for Eco-Friendly Biocomposite Adsorbent for Wastewater Treatment	Bassyouni, M., Zoromba, M.Sh., Abdel-Aziz, M.H. and 1 more (...) (2022).Extraction of Nanocellulose for Eco-Friendly Biocomposite Adsorbent for Wastewater Treatment. Polymers,14(9)	https://www.scopus.com/record/display.url?eid=2-s2.0-85129799576&origin=resultslist	10.3390/polym14091852	Article	Gold|Green	2-s2.0-85129799576	-	Alexandria University| King Abdulaziz University| Port Said University	3
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	Eteba, A., Bassyouni, M., Saleh, M. (2023).Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes. International Journal of Environmental Science and Technology,20(7) 7589-7602	https://www.scopus.com/record/display.url?eid=2-s2.0-85136852051&origin=resultslist	10.1007/s13762-022-04457-5	Article	Hybrid gold	2-s2.0-85136852051	-	Port Said University	1
Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium	El-Shorbagy, H.G., El-Kousy, S.M., Elwakeel, K.Z. and 1 more (...) (2021).Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium. Journal of Industrial and Engineering Chemistry,100410-421	https://www.scopus.com/record/display.url?eid=2-s2.0-85105802535&origin=resultslist	10.1016/j.jiec.2021.04.029	Article		2-s2.0-85105802535	-	Menoufia University| National Research Center| Port Said University	3
Toward a national life cycle assessment tool: Generative design for early decision support	Hassan, S.R., Megahed, N.A., Abo Eleinen, O.M. and 1 more (...) (2022).Toward a national life cycle assessment tool: Generative design for early decision support. Energy and Buildings,267	https://www.scopus.com/record/display.url?eid=2-s2.0-85129872803&origin=resultslist	10.1016/j.enbuild.2022.112144	Article		2-s2.0-85129872803	-	Port Said University	1
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V	Charles, A., Elkaseer, A., Thijs, L. and 1 more (...) (2020).Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V. Applied Sciences (Switzerland),10(7)	https://www.scopus.com/record/display.url?eid=2-s2.0-85083448789&origin=resultslist	10.3390/app10072416	Article	Gold|Green	2-s2.0-85083448789	-	Karlsruhe Institute of Technology| Port Said University	2
Multi-Objective Optimization of Performance Indicators in Turning of AISI 1045 under Dry Cutting Conditions	Abbas, A.T., Al-Abduljabbar, A.A., El Rayes, M.M. and 3 more (...) (2023).Multi-Objective Optimization of Performance Indicators in Turning of AISI 1045 under Dry Cutting Conditions. Metals,13(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85146512212&origin=resultslist	10.3390/met13010096	Article	Gold|Green	2-s2.0-85146512212	-	King Saud University| Al-Fayoum University| The British University in Egypt| American University in Cairo| Karlsruhe Institute of Technology| Port Said University	6
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	Abdelhalim, A.M. (2024).How management accounting practices integrate with big data analytics and its impact on corporate sustainability. Journal of Financial Reporting and Accounting,22(2) 416-432	https://www.scopus.com/record/display.url?eid=2-s2.0-85169789330&origin=resultslist	10.1108/JFRA-01-2023-0053	Article		2-s2.0-85169789330	-	King Faisal University| Port Said University	2
A review on the synergistic efficacy of sonication-assisted water treatment process with special	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	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|	6

attention given to microplastics	attention given to microplastics. Chemical Engineering Research and Design,206524-552							Egyptian Propylene & Polypropylene Company	
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism	Hassaan, M.A., El Nemr, A., Madkour, F.F. and 5 more (...) (2021).Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism. Toxin Reviews,40(4) 1472-1480	https://www.scopus.com/record/display.url?eid=2-s2.0-85081366993&origin=resultslist	10.1080/15569543.2020.1736098	Article		2-s2.0-85081366993	-	Egyptian Atomic Energy Authority| National Institute of Oceanography and Fisheries| King Khalid University| Port Said University	4
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system	Moshiri, M., Charles, A., Elkaseer, A. and 3 more (...) (2020).An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system. Procedia CIRP,9332-37	https://www.scopus.com/record/display.url?eid=2-s2.0-85091505921&origin=resultslist	10.1016/j.procir.2020.04.151	Conference Paper	Gold	2-s2.0-85091505921	-	Technical University of Denmark| Karlsruhe Institute of Technology| Port Said University	3
Evolution of BIM to DTs: A Paradigm Shift for the Post-Pandemic AECO Industry	Megahed, N.A., Hassan, A.M. (2022).Evolution of BIM to DTs: A Paradigm Shift for the Post-Pandemic AECO Industry. Urban Science,6(4)	https://www.scopus.com/record/display.url?eid=2-s2.0-85141828083&origin=resultslist	10.3390/urbansci6040067	Review	Gold|Green	2-s2.0-85141828083	-	Port Said University	1
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. 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)	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
Effect of Process Parameters on the Performance of Drop-On-Demand 3D Inkjet Printing: Geometrical-Based Modeling and Experimental Validation	Elkaseer, A., Schneider, S., Deng, Y. and 1 more (...) (2022).Effect of Process Parameters on the Performance of Drop-On-Demand 3D Inkjet Printing: Geometrical-Based Modeling and Experimental Validation. Polymers,14(13)	https://www.scopus.com/record/display.url?eid=2-s2.0-85132982170&origin=resultslist	10.3390/polym14132557	Article	Gold|Green	2-s2.0-85132982170	-	Karlsruhe Institute of Technology| Swansea University| Port Said University	3
Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait	Alhajri, I.H., Gadalla, M.A., Abdelaziz, O.Y. and 1 more (...) (2021).Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait. Case Studies in Thermal Engineering,26	https://www.scopus.com/record/display.url?eid=2-s2.0-85105059129&origin=resultslist	10.1016/j.csite.2021.101030	Article	Gold	2-s2.0-85105059129	-	The British University in Egypt| Lund University| Cairo University| The Public Authority of Applied Education and Training| Port Said University	5
Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304	Naeim, N., AbouEleaz, M.A., Elkaseer, A. (2023).Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304. Materials,16(3)	https://www.scopus.com/record/display.url?eid=2-s2.0-85147847955&origin=resultslist	10.3390/ma16031022	Article	Gold|Green	2-s2.0-85147847955	-	Mansoura University| The British University in Egypt| Karlsruhe Institute of Technology| Port Said University	4
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	Elgarahy, A.M., Eloffy, M.G., Priya, A.K. and 4 more (...) (2024).Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch. Sustainable Chemistry for the Environment,7	https://www.scopus.com/record/display.url?eid=2-s2.0-85196293430&origin=resultslist	10.1016/j.scenv.2024.100124	Review	Gold	2-s2.0-85196293430	-	Suez University| University of Jeddah| Menoufia University| National Institute of Oceanography and Fisheries| ICAR - Indian Institute of Soil and Water Conservation| Port Said University| Egyptian Propylene & Polypropylene Company	7
Energy Management of Microgrids Using Load Shifting and Multi-agent System	Abdelsalam, A.A., Zedan, H.A., ElDesouky, A.A. (2020).Energy Management of Microgrids Using Load Shifting and Multi-agent System. Journal of Control,	https://www.scopus.com/record/display.url?eid=2-s2.0-85084070325&origin=resultslist	10.1007/s40313-020-00593-w	Article		2-s2.0-85084070325	-	Suez Canal University| Port Said University	2

	Automation and Electrical Systems,31(4) 1015-1036								
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	Kulikova, Y., Klementev, S., Sirotkin, A. and 5 more (...) (2023).Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment. Water (Switzerland),15(9)	https://www.scopus.com/record/display.url?eid=2-s2.0-85159372607&origin=resultslist	10.3390/w15091681	Article	Gold|Green	2-s2.0-85159372607	-	Perm State National Research University| University of the Witwatersrand| Port Said University| Kazan National Research Technological University	4
Fundamental investigation into tool wear and surface quality in high-speed machining of Ti6Al4V alloy	Abbas, A.T., Al Bahkali, E.A., Alqahtani, S.M. and 3 more (...) (2021).Fundamental investigation into tool wear and surface quality in high-speed machining of Ti6Al4V alloy. Materials,14(23)	https://www.scopus.com/record/display.url?eid=2-s2.0-85120037603&origin=resultslist	10.3390/ma14237128	Article	Gold|Green	2-s2.0-85120037603	-	King Saud University| Karlsruhe Institute of Technology| Port Said University	3
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	Abdelhalim, A.M., Ibrahim, N., Alomair, M. (2023).The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability. Sustainability (Switzerland),15(9)	https://www.scopus.com/record/display.url?eid=2-s2.0-85159326871&origin=resultslist	10.3390/su15097052	Article	Gold|Green	2-s2.0-85159326871	-	King Faisal University| Port Said University	2
Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces	Farrag, N.M., Kamel, D.A., Ghallab, A.O. and 2 more (...) (2021).Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces. South African Journal of Chemical Engineering,3694-104	https://www.scopus.com/record/display.url?eid=2-s2.0-85101387279&origin=resultslist	10.1016/j.sajce.2021.02.001	Article	Gold	2-s2.0-85101387279	-	The British University in Egypt| Cairo University| Port Said University	3
Experimental Investigation and Optimization of Turning Polymers Using RSM, GA, Hybrid FFD-GA, and MOGA Methods	Alateyah, A.I., El-Taybany, Y., El-Sanabary, S. and 2 more (...) (2022).Experimental Investigation and Optimization of Turning Polymers Using RSM, GA, Hybrid FFD-GA, and MOGA Methods. Polymers,14(17)	https://www.scopus.com/record/display.url?eid=2-s2.0-85137759048&origin=resultslist	10.3390/polym14173585	Article	Gold|Green	2-s2.0-85137759048	-	Suez Canal University| Qassim University| Port Said University	3
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. and 1 more (...) (2023).Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical greening systems (VGS). Frontiers of Architectural Research,12(6) 1260-1284	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
Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent	Elhady, S., Bassyouni, M., Elshikhiby, M.Z. and 2 more (...) (2024).Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent. Applied Water Science,14(7)	https://www.scopus.com/record/display.url?eid=2-s2.0-85196074798&origin=resultslist	10.1007/s13201-024-02210-6	Article	Gold	2-s2.0-85196074798	-	Port Said University	1
Diverse applications of versatile quaternized chitosan salts: A review	López-Maldonado, E.A., Mavaei, M., Dan, S. and 8 more (...) (2024).Diverse applications of versatile quaternized chitosan salts: A review. International Journal of Biological Macromolecules,281	https://www.scopus.com/record/display.url?eid=2-s2.0-85206819988&origin=resultslist	10.1016/j.ijbiomac.2024.136276	Review		2-s2.0-85206819988	39383902	Martin Luther University Halle-Wittenberg| Iran University of Science and Technology| Universidad Autonoma de Baja California| Shahid Bahonar University of Kerman| Amirkabir University of Technology| Shahid Beheshti University| Kermanshah University of Medical	9

								Sciences| Isfahan University of Technology| Port Said University	
Investigating the role of the urban environment in controlling pandemics transmission: Lessons from history	Hussein, H.A.A. (2022).Investigating the role of the urban environment in controlling pandemics transmission: Lessons from history. Ain Shams Engineering Journal,13(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85127754416&origin=resultslist	10.1016/j.asej.2022.101785	Review	Gold	2-s2.0-85127754416	-	Port Said University	1
Simulated soil water distribution patterns and water use of Alfalfa under different subsurface drip irrigation depths	Eltarabily, M.G., Mohamed, A.Z., Begna, S. and 4 more (...) (2024).Simulated soil water distribution patterns and water use of Alfalfa under different subsurface drip irrigation depths. Agricultural Water Management,293	https://www.scopus.com/record/display.url?eid=2-s2.0-85183039049&origin=resultslist	10.1016/j.agwat.2024.108693	Article	Gold	2-s2.0-85183039049	-	United States Department of Agriculture| University of California Division of Agriculture and Natural Resources| University of California at Riverside| Port Said University| University of California at Davis	5
Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8)	Osman, A.I., Mehta, N., Elgarahy, A.M. and 4 more (...) (2022).Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8). Environmental Chemistry Letters,20(3)	https://www.scopus.com/record/display.url?eid=2-s2.0-85127429321&origin=resultslist	10.1007/s10311-022-01432-x	Erratum	Hybrid gold	2-s2.0-85127429321	-	South Valley University| Sultan Qaboos University| Swiss Federal Institute of Technology Zurich| Queen's University Belfast| Port Said University| Egyptian Propylene & Polypropylene Company	6
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts	Abbas, A.T., Abubakr, M., Elkaseer, A. and 3 more (...) (2020).Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts. IEEE Access,8159206-159219	https://www.scopus.com/record/display.url?eid=2-s2.0-85096424027&origin=resultslist	10.1109/ACCESS.2020.3020623	Article	Gold|Green	2-s2.0-85096424027	-	King Saud University| Cairo University| Karlsruhe Institute of Technology| Port Said University	4
Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes	El-Nablaway, M., Rashed, F., Taher, E.S. and 14 more (...) (2024).Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes. Life Sciences,349	https://www.scopus.com/record/display.url?eid=2-s2.0-85193450498&origin=resultslist	10.1016/j.lfs.2024.122671	Review	Hybrid gold	2-s2.0-85193450498	38697279	Imam Abdulrahman Bin Faisal University| Temple University| Mansoura University| Benha University| Prince Sattam Bin Abdulaziz University| Suez Canal University| University of Sadat City| University of Mutah| Victor Babes University of Medicine and Pharmacy| Badr University in Cairo| Almaarefa University| Port Said University| Zarqa University	13
Multiobjective Optimization of Laser Polishing of Additively Manufactured Ti-6Al-4V Parts for Minimum Surface Roughness and Heat-Affected Zone	Solheid, J.S., Elkaseer, A., Wunsch, T. and 3 more (...) (2022).Multiobjective Optimization of Laser Polishing of Additively Manufactured Ti-6Al-4V Parts for Minimum Surface Roughness and Heat-Affected Zone. Materials,15(9)	https://www.scopus.com/record/display.url?eid=2-s2.0-85130638035&origin=resultslist	10.3390/ma15093323	Article	Gold|Green	2-s2.0-85130638035	-	Karlsruhe Institute of Technology| Port Said University	2
An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651	Hammad, A.S., Ahmed, M.M.Z., Lu, H. and 5 more (...) (2022).An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of	https://www.scopus.com/record/display.url?eid=2-s2.0-85125788644&origin=resultslist	10.1177/09544062211070716	Article		2-s2.0-85125788644	-	Ain Shams University| Suez University| Prince Sattam Bin Abdulaziz University| Wuhan University of Technology| Port Said University	5

	Mechanical Engineering Science,236(12) 6665-6676								
Handover Performance Improvement in Heterogeneous Wireless Network	Ezz-Eldien, N.A., Abdelkader, M.F., Abdalla, M.I. and 1 more (...) (2020).Handover Performance Improvement in Heterogeneous Wireless Network. 11th Annual IEEE Information Technology, Electronics and Mobile Communication Conference, IEMCON 2020,821-830	https://www.scopus.com/record/display.url?eid=2-s2.0-85099284344&origin=resultslist	10.1109/IEMCON51383.2020.9284906	Conference Paper		2-s2.0-85099284344	-	Port Said University	1
In-process digital monitoring of additive manufacturing: Proposed machine learning approach and potential implications on sustainability	Charles, A., Salem, M., Moshiri, M. and 2 more (...) (2021).In-process digital monitoring of additive manufacturing: Proposed machine learning approach and potential implications on sustainability. Smart Innovation, Systems and Technologies,200297-306	https://www.scopus.com/record/display.url?eid=2-s2.0-85091519828&origin=resultslist	10.1007/978-981-15-8131-1_27	Conference Paper		2-s2.0-85091519828	-	Ain Shams University| Technical University of Denmark| Karlsruhe Institute of Technology| Port Said University	4
Adsorption of Gentian violet dye onto mesoporous aluminosilica monoliths: nanoarchitectonics and application to industrial wastewater	Al-Hazmi, G.H., Akhdhar, A., Shahat, A. and 1 more (...) (2024).Adsorption of Gentian violet dye onto mesoporous aluminosilica monoliths: nanoarchitectonics and application to industrial wastewater. International Journal of Environmental Analytical Chemistry,104(16) 4415-4436	https://www.scopus.com/record/display.url?eid=2-s2.0-85134684559&origin=resultslist	10.1080/03067319.2022.2104641	Article		2-s2.0-85134684559	-	Suez University| University of Jeddah| Princess Nourah Bint Abdulrahman University| Port Said University	4
Enhancing Object Detection in Remote Sensing: A Hybrid YOLOv7 and Transformer Approach with Automatic Model Selection	Ahmed, M., El-Sheimy, N., Leung, H. and 1 more (...) (2024).Enhancing Object Detection in Remote Sensing: A Hybrid YOLOv7 and Transformer Approach with Automatic Model Selection. Remote Sensing,16(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85181889137&origin=resultslist	10.3390/rs16010051	Article	Gold	2-s2.0-85181889137	-	University of Calgary| Port Said University	2
The Neutrosophic Treatment for Multiple Storage Problem of Finite Materials and Volumes	Jdid, M., Alhabib, R., Bahbouh, O. and 2 more (...) (2022).The Neutrosophic Treatment for Multiple Storage Problem of Finite Materials and Volumes. International Journal of Neutrosophic Science,18(1) 42-56	https://www.scopus.com/record/display.url?eid=2-s2.0-85125441500&origin=resultslist	10.54216/IJNS.180105	Article		2-s2.0-85125441500	-	University of Telafer| Port Said University	2
Predicting Forced Blower Failures Using Machine Learning Algorithms and Vibration Data for Effective Maintenance Strategies	Salem, K., AbdelGwad, E., Kouta, H. (2023).Predicting Forced Blower Failures Using Machine Learning Algorithms and Vibration Data for Effective Maintenance Strategies. Journal of Failure Analysis and Prevention,23(5) 2191-2203	https://www.scopus.com/record/display.url?eid=2-s2.0-85171426433&origin=resultslist	10.1007/s11668-023-01765-x	Article		2-s2.0-85171426433	-	Port Said University	1
Improving and Predicting the Surface Roughness and the Machining Accuracy in Ultrasonic Vibration-Assisted Milling	Baraya, M., Yan, J., Hossam, M. (2024).Improving and Predicting the Surface Roughness and the Machining Accuracy in Ultrasonic Vibration-Assisted Milling. Journal of Vibration Engineering and Technologies,12(1) 127-140	https://www.scopus.com/record/display.url?eid=2-s2.0-85193272841&origin=resultslist	10.1007/s42417-024-01406-z	Article	Hybrid gold	2-s2.0-85193272841	-	Egypt-Japan University of Science and Technology| Keio University| Alexandria University| Port Said University	4
Influences of greenly synthesized iron oxide nanoparticles on the bioremediation of dairy effluent using	Salama, A.M., Abedin, R.M.A., Elwakeel, K.Z. (2022).Influences of greenly synthesized iron oxide nanoparticles on the bioremediation of dairy effluent	https://www.scopus.com/record/display.url?eid=2-s2.0-85114432697&origin=resultslist	10.1007/s13762-021-03625-3	Article		2-s2.0-85114432697	-	University of Jeddah| Alexandria University| Port Said University	3

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Synthesis and application of a novel self-smart sensor based on a modified amino-functionalized Zr-metal–organic framework for rapid and selective detection of some toxic metals in wastewater	El-Bindary, M.A., Shahat, A., El-Deen, I.M. and 2 more (...) (2023).Synthesis and application of a novel self-smart sensor based on a modified amino-functionalized Zr-metal–organic framework for rapid and selective detection of some toxic metals in wastewater. Applied Organometallic Chemistry,37(4)	https://www.scopus.com/record/display.url?eid=2-s2.0-85147504692&origin=resultslist	10.1002/aoc.7029	Article		2-s2.0-85147504692	-	Suez University| Port Said University	2
Modified coal fly ash for textile dye removal from industrial wastewater	Eteba, A., Bassyouni, M., Saleh, M. (2024).Modified coal fly ash for textile dye removal from industrial wastewater. Energy and Environment,35(2) 1004-1030	https://www.scopus.com/record/display.url?eid=2-s2.0-85142182917&origin=resultslist	10.1177/0958305X221130536	Article		2-s2.0-85142182917	-	Port Said University	1
Analytical Performance and Greenness Evaluation of Five Multi-Level Design Models Utilized for Impurity Profiling of Favipiravir, a Promising COVID-19 Antiviral Drug	Ibrahim, A.E., Sharaf, Y.A., El Deeb, S. and 1 more (...) (2022).Analytical Performance and Greenness Evaluation of Five Multi-Level Design Models Utilized for Impurity Profiling of Favipiravir, a Promising COVID-19 Antiviral Drug. Molecules,27(12)	https://www.scopus.com/record/display.url?eid=2-s2.0-85131671413&origin=resultslist	10.3390/molecules27123658	Article	Gold|Green	2-s2.0-85131671413	35744781	Zagazig University| Technical University of Braunschweig| University of Nizwa| Port Said University	4
Ten questions concerning the integration of digital fabrication techniques into the architectural design process	Gamal, A., Nashaat, B., Shahda, M.M. and 1 more (...) (2024).Ten questions concerning the integration of digital fabrication techniques into the architectural design process. Architectural Engineering and Design Management,20(1) 120-149	https://www.scopus.com/record/display.url?eid=2-s2.0-85174247000&origin=resultslist	10.1080/17452007.2023.2269559	Review		2-s2.0-85174247000	-	Port Said University	1
Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades	Elhenawy, Y., Fouad, Y., Marouani, H. and 1 more (...) (2021).Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades. Processes,9(4)	https://www.scopus.com/record/display.url?eid=2-s2.0-85104231550&origin=resultslist	10.3390/pr9040622	Article	Gold|Green	2-s2.0-85104231550	-	King Saud University| Zewail City of Science and Technology| Port Said University	3
An Experimental Study of Indoor Air Quality Enhancement Using Breathing Walls	Elgheznawy, D., El Enein, O.A., Shalaby, G. and 1 more (...) (2022).An Experimental Study of Indoor Air Quality Enhancement Using Breathing Walls. Civil Engineering and Architecture,10(1) 194-209	https://www.scopus.com/record/display.url?eid=2-s2.0-85136977131&origin=resultslist	10.13189/cea.2022.100117	Article	Gold	2-s2.0-85136977131	-	Port Said University	1
Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms	Ayad, M.M., Hosny, M.M., Ibrahim, A.E. and 2 more (...) (2020).Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms. Journal of the Iranian Chemical Society,17(7) 1725-1730	https://www.scopus.com/record/display.url?eid=2-s2.0-85081690503&origin=resultslist	10.1007/s13738-020-01897-z	Article		2-s2.0-85081690503	-	Mansoura University| Egyptian Russian University| Zagazig University| Port Said University	4

A conceptual efficient design of energy recovery systems using a new energy-area key parameter	Alhajri, I.H., Gadalla, M.A., Elazab, H.A. (2021).A conceptual efficient design of energy recovery systems using a new energy-area key parameter. Energy Reports,71079-1090	https://www.scopus.com/record/display.url?eid=2-s2.0-85097899067&origin=resultslist	10.1016/j.egyr.2020.12.023	Article	Gold	2-s2.0-85097899067	-	The British University in Egypt| The Public Authority of Applied Education and Training| Port Said University	3
Impact of organic peroxide on a moderate molecular weight homo-polypropylene vis breaking, and mechanism of interaction	Abd El-Wahab, M., El-Desouky, M.G. (2024).Impact of organic peroxide on a moderate molecular weight homo-polypropylene vis breaking, and mechanism of interaction. Main Group Chemistry,23(2) 145-156	https://www.scopus.com/record/display.url?eid=2-s2.0-85199363954&origin=resultslist	10.3233/MGC-230024	Article		2-s2.0-85199363954	-	Suez Canal University| Port Said University	2
Assessing Xeriscaping as a Retrofit Sustainable Water Consumption Approach for a Desert University Campus	Ismaeil, E.M.H., Sobaih, A.E.E. (2022).Assessing Xeriscaping as a Retrofit Sustainable Water Consumption Approach for a Desert University Campus. Water (Switzerland),14(11)	https://www.scopus.com/record/display.url?eid=2-s2.0-85131559735&origin=resultslist	10.3390/w14111681	Article	Gold|Green	2-s2.0-85131559735	-	King Faisal University| Port Said University| Helwan University	3
Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0	Abdel-Kader, R.F., El-Sayad, N.E., Rizk, R.Y. (2021).Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0. PLoS ONE,16(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85107444665&origin=resultslist	10.1371/journal.pone.0252756	Article	Gold|Green	2-s2.0-85107444665	34101767	Port Said University	1
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	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	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
Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines	Alkhalefah, H., Qudeiri, J.E.A., Umer, U. and 2 more (...) (2021).Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines. IEEE Access,961807-61818	https://www.scopus.com/record/display.url?eid=2-s2.0-85104656633&origin=resultslist	10.1109/ACCESS.2021.3074356	Article	Gold|Green	2-s2.0-85104656633	-	United Arab Emirates University| King Saud University| Karlsruhe Institute of Technology| Port Said University	4
Study Attenuation Parameters and Physical Properties of Silicone Rubber Reinforced with Nano- and Micro-Sized Aluminum Oxide Composites	El-Khatib, A.M., Elesh, E., Hamada, M.S. and 2 more (...) (2024).Study Attenuation Parameters and Physical Properties of Silicone Rubber Reinforced with Nano- and Micro-Sized Aluminum Oxide Composites. Silicon,16(6) 2621-2634	https://www.scopus.com/record/display.url?eid=2-s2.0-85183197073&origin=resultslist	10.1007/s12633-024-02847-7	Article	Hybrid gold	2-s2.0-85183197073	-	Egyptian Atomic Energy Authority| Alexandria University| Port Said University	3
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	Galal, A., Elgarahy, A.M., Haroun, B. and 3 more (...) (2024).Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles. Chemical Engineering Research and Design,21082-96	https://www.scopus.com/record/display.url?eid=2-s2.0-85202533771&origin=resultslist	10.1016/j.cherd.2024.08.019	Article		2-s2.0-85202533771	-	Cairo University| National Research Center| Western University| Port Said University	4

A Low-Cost Multi-sensor Deep Learning System for Pavement Distress Detection and Severity Classification	Hedeya, M.A., Samir, E., El-Sayed, E. and 4 more (...) (2022).A Low-Cost Multi-sensor Deep Learning System for Pavement Distress Detection and Severity Classification. Lecture Notes on Data Engineering and Communications Technologies,11321-33	https://www.scopus.com/record/display.url?eid=2-s2.0-85128645608&origin=resultslist	10.1007/978-3-031-03918-8_3	Chapter		2-s2.0-85128645608	-	University of Calgary| Port Said University	2
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V	Solheid, J.S., Elkaseer, A., Wunsch, T. and 3 more (...) (2020).Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V. Proceedings of SPIE - The International Society for Optical Engineering,11268	https://www.scopus.com/record/display.url?eid=2-s2.0-85085150253&origin=resultslist	10.1117/12.2545623	Conference Paper		2-s2.0-85085150253	-	Karlsruhe Institute of Technology| Port Said University	2
Solidification of Alum Industry Waste for Producing Geopolymer Mortar	Abdelmawla, M., Abdelaal, A., Beheary, M.S. and 2 more (...) (2020).Solidification of Alum Industry Waste for Producing Geopolymer Mortar. Egyptian Journal of Chemistry,63(11) 4285-4294	https://www.scopus.com/record/display.url?eid=2-s2.0-85097167230&origin=resultslist	10.21608/EJCHEM.2020.25720.2504	Article	Bronze	2-s2.0-85097167230	-	Ain Shams University| Port Said University	2
Gas-tight means zero defects - design considerations for thin-walled fluidic devices with overhangs by laser powder bed fusion	Grinschek, F., Charles, A., Elkaseer, A. and 3 more (...) (2022).Gas-tight means zero defects - design considerations for thin-walled fluidic devices with overhangs by laser powder bed fusion. Materials and Design,223	https://www.scopus.com/record/display.url?eid=2-s2.0-85138464374&origin=resultslist	10.1016/j.matdes.2022.111174	Article	Gold|Green	2-s2.0-85138464374	-	Karlsruhe Institute of Technology| Swansea University| Port Said University	3
Exploring the sources, occurrence, transformation, toxicity, monitoring, and remediation strategies of per- and polyfluoroalkyl substances: a review	Elgarahy, A.M., Eloffy, M.G., Saber, A.N. and 5 more (...) (2024).Exploring the sources, occurrence, transformation, toxicity, monitoring, and remediation strategies of per- and polyfluoroalkyl substances: a review. Environmental Monitoring and Assessment,196(12)	https://www.scopus.com/record/display.url?eid=2-s2.0-85209553034&origin=resultslist	10.1007/s10661-024-13334-2	Review		2-s2.0-85209553034	39556161	University of Jeddah| University of Córdoba| University of Medical Sciences Poznan| Jiangnan University| Alexandria University| National Institute of Oceanography and Fisheries| Michigan State University| Port Said University| Egyptian Propylene & Polypropylene Company| Agricultural Research Center, Giza	10
A State-of-the-Art Review and Bibliometric Analysis on the Smart Preservation of Heritages	Shehata, A.O., Noroozinejad Farsangi, E., Mirjalili, S. and 1 more (...) (2024).A State-of-the-Art Review and Bibliometric Analysis on the Smart Preservation of Heritages. Buildings,14(12)	https://www.scopus.com/record/display.url?eid=2-s2.0-85213080624&origin=resultslist	10.3390/buildings14123818	Review	Gold|Green	2-s2.0-85213080624	-	Western Sydney University| Torrens University Australia| University of British Columbia| Port Said University	4
Two Eco-Friendly Chromatographic Methods Evaluated by GAPI for Simultaneous Determination of the Fluoroquinolones Moxifloxacin, Levofloxacin, and Gemifloxacin in Their Pharmaceutical Products	Abdel Hameed, E.A., Abd El-Naby, Z.A., El Gindy, A. and 4 more (...) (2022).Two Eco-Friendly Chromatographic Methods Evaluated by GAPI for Simultaneous Determination of the Fluoroquinolones Moxifloxacin, Levofloxacin, and Gemifloxacin in Their Pharmaceutical Products. Separations,9(11)	https://www.scopus.com/record/display.url?eid=2-s2.0-85141810772&origin=resultslist	10.3390/separations9110330	Article	Gold|Green	2-s2.0-85141810772	-	University of Tabuk| Suez Canal University| Port Said University	3
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	Elba, H., Hegazy, H., Zhang, J. and 3 more (...) (2024).Exploring critical barriers towards the uptake of renewable energy usage	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

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Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication	Elkaseer, A., Müller, T., Rabsch, D. and 1 more (...) (2021).Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication. Smart Innovation, Systems and Technologies,200285-295	https://www.scopus.com/record/display.url?eid=2-s2.0-85091507115&origin=resultslist	10.1007/978-981-15-8131-1_26	Conference Paper		2-s2.0-85091507115	-	Swansea University| Karlsruhe Institute of Technology| Port Said University	3
Graphical analysis and revamping of crude distillation units under variable operational scenarios	Abo-mousa, A.G., Kamel, D.A., Elazab, H.A. and 2 more (...) (2023).Graphical analysis and revamping of crude distillation units under variable operational scenarios. Case Studies in Chemical and Environmental Engineering,8	https://www.scopus.com/record/display.url?eid=2-s2.0-85173515245&origin=resultslist	10.1016/j.cscee.2023.100490	Article	Gold	2-s2.0-85173515245	-	Cairo University| Missouri University of Science and Technology| University College London| Port Said University	4
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Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining Responses, Empirical Modeling and Multi-Objective Optimization	Aboueleaz, M.A., Naeim, N., Abdelgaliel, I.H. and 2 more (...) (2023).Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining Responses, Empirical Modeling and Multi-Objective Optimization. Journal of Manufacturing and Materials Processing,7(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85180489950&origin=resultslist	10.3390/jmmp7060194	Article	Gold	2-s2.0-85180489950	-	Al-Fayoum University| Mansoura University| The British University in Egypt| American University in Cairo| Karlsruhe Institute of Technology| Port Said University	6
Life cycle assessment and generative design: development of a	Hassan, S., Abo Eleinen, O., Hassan, A. and 1 more (...) (2024).Life cycle assessment and	https://www.scopus.com/record/display.url?eid=2-s2.0-85206392710&origin=resultslist	10.1108/ECAM-06-2024-0722	Article		2-s2.0-85206392710	-	Port Said University	1

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AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY	Gharib-Yosry, A., Valdes, R.E., Blanco-Marigorta, E. and 1 more (...) (2022).AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY. Proceedings of ASME 2022 16th International Conference on Energy Sustainability, ES 2022,	https://www.scopus.com/record/display.url?eid=2-s2.0-85140788437&origin=resultslist	10.1115/ES2022-85533	Conference Paper		2-s2.0-85140788437	-	University of Oviedo| Port Said University	2
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Experimental and numerical investigation of a	Ferraiuolo, R., Pugliese, F., Álvarez Álvarez, E. and 3 more (...) (2024).Experimental and	https://www.scopus.com/record/display.url?eid=2-s2.0-85206661413&origin=resultslist	10.1016/j.renene.2024.121640	Article		2-s2.0-85206661413	-	University of Oviedo| University of Naples Federico II| Port Said University	3

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Correlation between Polyaromatic Hydrocarbons (PAHs) Discharges at El-Manzala Wetland with the Relative Gene Expression of CYP19 Gene of the Nile Tilapia (Oreochromis. niloticus)	El-Kady, M.A.H., Mansour, H.A.A., Abu Almaaty, A.H. (2022).Correlation between Polyaromatic Hydrocarbons (PAHs) Discharges at El-Manzala Wetland with the Relative Gene Expression of CYP19 Gene of the Nile Tilapia (Oreochromis. niloticus). Egyptian Journal of Aquatic Biology and Fisheries,26(4) 395-407	https://www.scopus.com/record/display.url?eid=2-s2.0-85134760503&origin=resultslist	10.21608/ejabf.2022.250854	Article	Gold	2-s2.0-85134760503	-	National Institute of Oceanography and Fisheries| Port Said University	2
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Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated	Abo-Mousa, A.G., Kamel, D.A., Elazab, H.A. and 2 more (...) (2022).Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated. Chemical Engineering Transactions,941225-1230	https://www.scopus.com/record/display.url?eid=2-s2.0-85139412791&origin=resultslist	10.3303/CET2294204	Article		2-s2.0-85139412791	-	The British University in Egypt| Cairo University| University of California at San Diego| Port Said University	4
Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion	Elkaseer, A., Charles, A., Schneider, S. and 1 more (...) (2022).Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion. Applied Sciences (Switzerland),12(12)	https://www.scopus.com/record/display.url?eid=2-s2.0-85132803423&origin=resultslist	10.3390/app12126193	Article	Gold|Green	2-s2.0-85132803423	-	Vellore Institute of Technology| Karlsruhe Institute of Technology| Port Said University	3
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	Ibrahim, N., Abdelhalim, A.M.M. (2024).Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era. Studies in Systems, Decision and Control,503127-143	https://www.scopus.com/record/display.url?eid=2-s2.0-85183399230&origin=resultslist	10.1007/978-3-031-43490-7_10	Chapter		2-s2.0-85183399230	-	King Faisal University| Port Said University	2
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	Mahrouqi, J.A., Meqbali, N.A., Mahmoud, M.S. and 3 more (...) (2023).EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS. Environmental Engineering and Management Journal,22(12) 2003-2018	https://www.scopus.com/record/display.url?eid=2-s2.0-85185327759&origin=resultslist	10.30638/eemj.2023.173	Article	Gold	2-s2.0-85185327759	-	Minia University| Port Said University	2
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Software Toolkit for Visualization and Process Selection for Modular Scalable	Scholz, S., Elkaseer, A., Salem, M. and 1 more (...) (2020).Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D	https://www.scopus.com/record/display.url?eid=2-s2.0-85072833125&origin=resultslist	10.1007/978-3-030-30440-9_16	Conference Paper		2-s2.0-85072833125	-	Ain Shams University| Karlsruhe Institute of Technology| Port Said University	3

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Efficient Optimization Model for Buffer Size Problem in Production Line with Rework Path	Alkhalefah, H., Abidi, M.H., Umer, U. and 1 more (...) (2021).Efficient Optimization Model for Buffer Size Problem in Production Line with Rework Path. Proceedings of the International Conference on Industrial Engineering and Operations Management,2539-2551	https://www.scopus.com/record/display.url?eid=2-s2.0-85126249021&origin=resultslist	-	Conference Paper		2-s2.0-85126249021	-	King Saud University| Karlsruhe Institute of Technology| Port Said University	3
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Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	Alazmi, R.H., Gadalla, M., Wang, B. and 4 more (...) (2024).Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery. Thermal Science and Engineering Progress,55	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
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Symmetry and Analysis of Fluid Queueing Systems Driven by Non-Truncated Erlangian Service Queues	El-Paoumy, M.S., Radwan, T. (2024).Symmetry and Analysis of Fluid Queueing Systems Driven by Non-Truncated Erlangian Service Queues. Symmetry,16(7)	https://www.scopus.com/record/display.url?eid=2-s2.0-85199857600&origin=resultslist	10.3390/sym16070909	Article	Gold	2-s2.0-85199857600	-	Al-Azhar University| Qassim University| Port Said University	3
Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	Elhady, S., Bassyouni, M., Elzahar, M.H. and 2 more (...) (2024).Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal. Egyptian Journal of Chemistry,67(13) 2033-2043	https://www.scopus.com/record/display.url?eid=2-s2.0-85217643594&origin=resultslist	10.21608/ejchem.2024.298212.9886	Article		2-s2.0-85217643594	-	Islamic University of Madinah| Port Said University	2

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	Number of Countries/Regions	All Science Journal Classification (ASJC) code
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	4	2304

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	3	2304
A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process	60274043| 60108617| 60108699| 60020322| 60239261	Faculty of Science| Port Said University| University of Jeddah| Suez Canal University| Faculty of Science	5.72E+10	5.71E+10	9.43E+09	-	Egypt| Saudi Arabia	2	2201| 2305
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	3	2304
Insight on water remediation application using magnetic nanomaterials and biosorbents	60012577| 60009353| 60108617| 60274043| 122365318| 60029738| 60071768	National Center for Radiation Research and Technology| Egyptian Atomic Energy Authority| Port Said University| Faculty of Science| Cookstown, Co.| Queen's University Belfast| Sultan Qaboos University	5.72E+10	5.54E+10	5.71E+10	-	United Kingdom| Egypt| Oman	3	1600| 1604| 1606| 2505
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	60029738| 60102426| 60092747| 60108617| 60274043| 60011418| 60273147| 60000617| 60108640| 60099697| 60030271	Queen's University Belfast| Xi'an Jiaotong-Liverpool University| Egyptian Propylene and Polypropylene Company| Port Said University| Faculty of Science| Kobe University| Faculty of Veterinary Medicine| Assiut University| KPR Institute of Engineering and Technology| ICAR - Indian Institute of Soil and Water Conservation, Dehradun| National Institute of Oceanography and Fisheries	5.54E+10	3.61E+10	55362658600| 36140024400	-	India| United Kingdom| China| Japan| Egypt	5	2102| 2301| 2303| 2311
Material jetting for advanced applications: A state-of-the-art review, gaps and future directions	60027314| 60102538| 60108617| 60274042| 60025167	Karlsruher Institut für Technologie, Campus Nord| Karlsruher Institut für Technologie| Port Said University| Faculty of Engineering- Port Said University| Fraunhofer Institute for Manufacturing Engineering and Automation IPA	5.48E+10	3.52E+10	5.48E+10	-	Egypt| Germany	2	2201| 2204| 2209| 2500
Adsorption of polluted dyes from water by transition metal oxides: A review	60108617| 60274043| 60273442| 60023356| 60273423| 60022195| 60140949	Port Said University| Faculty of Science| Nanotechnology Research Center| The British University in Egypt| Faculty of Engineering| Massachusetts Institute of Technology| MIT School of Engineering	5.59E+10	5.72E+10	5.59E+10	-	Egypt| United States	2	2508| 3110
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	6	2304
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	6	2304
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels	60008665| 60005304| 60013183| 60274042| 60108617| 60102538	United Arab Emirates University| Raytheon| King Saud University| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie	2.35E+10	5.48E+10	2.35E+10	-	United Arab Emirates| Egypt| Saudi Arabia| United States| Germany	5	1507| 1508| 1706| 2200| 2500| 3105
Experiment-based process modeling and optimization for high-	60027314| 60274042| 60108617| 60004572| 60102538	Karlsruher Institut für Technologie, Campus Nord| Faculty of Engineering- Port Said University| Port Said University| Swansea University| Karlsruher Institut für Technologie	5.48E+10	3.52E+10	5.48E+10	-	United Kingdom| Egypt| Germany	3	1507| 1508| 1706|

quality and resource-efficient FFF 3D printing									2200| 2500| 3105
Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview	60092747| 60108699| 60108617| 60274043| 60030270| 60023876	Egyptian Propylene and Polypropylene Company| University of Jeddah| Port Said University| Faculty of Science| Guangxi University| Nuclear Materials Authority	5.72E+10	3.67E+10	9.43E+09	-	China| Egypt| Saudi Arabia	3	1502| 2304| 2305
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	60108699| 60274043| 60108617	University of Jeddah| Faculty of Science| Port Said University	5.78E+10	9.43E+09	36188082100| 9433357000	-	Egypt| Saudi Arabia	2	1601| 2500
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	4	1500| 1600| 2105| 2304
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	60108617| 60274043| 60092747| 60014304| 60274485| 60104710| 60030271| 60274028| 60023291| 116657979| 60108699	Port Said University| Faculty of Science| Egyptian Propylene and Polypropylene Company| LUT University| Faculty of Science| Suez University| National Institute of Oceanography and Fisheries| Faculty of Science| Menoufia University| Holding Company for Water and Wastewater| University of Jeddah	5.72E+10	7.2E+09	5.72E+10	-	Egypt| Finland| Saudi Arabia	3	1506| 1602
Use of biopolymers in wastewater treatment: A brief review of current trends and prospects	60092747| 60274043| 60108617| 60030271| 60012033| 60108699	Egyptian Propylene and Polypropylene Company| Faculty of Science| Port Said University| National Institute of Oceanography and Fisheries| IMT Mines Alès| University of Jeddah	5.72E+10	9.43E+09	7.01E+09	-	Egypt| Saudi Arabia| France	3	1303| 1500| 1600| 2305
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	60274043| 60108617| 60092747| 60030271| 60032955| 60013551| 60087826| 60014618	Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company| National Institute of Oceanography and Fisheries| Huazhong Agricultural University| China Agricultural University| Ministry of Agriculture of the People's Republic of China| National Research Centre	5.72E+10	4.74E+10	55919580700| 57307212500| 9433357000	-	China| Egypt	2	1303| 2300| 2739
Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture	60102538| 60108617| 60274042| 117226304| 60025063| 60004572	Karlsruher Institut für Technologie| Port Said University| Faculty of Engineering- Port Said University| 3D Systems Leuven| KU Leuven| Swansea University	5.72E+10	3.52E+10	5.72E+10	-	Belgium| United Kingdom| Egypt| Germany	4	2201| 2204| 2209| 2500
A green synthesis of cellulose nanocrystals biosorbent for remediation of wastewater containing industrial dye	60005880| 60274043| 60108617| 60092747| 60274485| 60104710	Imam Mohammad Ibn Saud Islamic University| Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company| Faculty of Science| Suez University	5.72E+10	3.61E+10	3.61E+10	-	Egypt| Saudi Arabia	2	1505| 1606| 3110
Elucidation of dross formation in laser powder bed fusion at down-facing surfaces: Phenomenon-oriented multiphysics simulation and experimental validation	60027314| 60011373| 60108617| 117226304| 60102538| 60004572	Karlsruher Institut für Technologie, Campus Nord| Technical University of Denmark| Port Said University| 3D Systems Leuven| Karlsruher Institut für Technologie| Swansea University	5.72E+10	3.52E+10	5.72E+10	-	Belgium| United Kingdom| Egypt| Germany| Denmark	5	2201| 2204| 2209| 2500

Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts	60274042| 60108617| 109934402| 60274173| 60104893| 60019141| 60231617| 60012022	Faculty of Engineering- Port Said University| Port Said University| Higher Institute of Engineering and Technology| University of Science and Technology| Zewail City of Science and Technology| Polytechnique Montréal| Faculty of Engineering| Mansoura University	5.72E+10	5.72E+10	5.72E+10	-	Egypt| Canada	2	1600| 2500
Design and performance a novel hybrid membrane distillation/humidification–dehumidification system	60108617| 60274042| 60079227| 60016218| 121850477	Port Said University| Faculty of Engineering- Port Said University| School of Chemical and Metallurgical Engineering| University of the Witwatersrand, Johannesburg| Higher Future Institute of Engineering and Technology	5.72E+10	5.6E+10	5.72E+10	-	Egypt| South Africa	2	2102| 2103| 2104| 2105
Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition	118208541| 60102538| 60108617| 60274042| 60004572	Al-Madinah Higher Institute for Engineering and Technology| Karlsruher Institut für Technologie| Port Said University| Faculty of Engineering- Port Said University| Swansea University	5.72E+10	3.52E+10	5.48E+10	-	United Kingdom| Egypt| Germany	3	1700| 2200| 2500
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	60092747| 60274043| 60108617| 60274485| 60104710| 60014618	Egyptian Propylene and Polypropylene Company| Faculty of Science| Port Said University| Faculty of Science| Suez University| National Research Centre	5.72E+10	4.74E+10	5.72E+10	-	Egypt	1	1303| 2300
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	60274625| 60009750| 60011287| 60273121| 60108617| 60274042| 60273996| 60023291	Faculty of Engineering| Minia University| Pharos University in Alexandria| Faculty of Engineering| Port Said University| Faculty of Engineering- Port Said University| Faculty of Engineering| Menoufia University	6.6E+09	2.42E+10	5.71E+10	-	Egypt	1	1111| 1602| 2304| 2307| 2310| 2311| 2312| 2739
Effective methods for removing different types of dyes – modelling analysisstatistical physics treatment and DFT calculations: a review	60092747| 60274043| 60108617| 60107578| 60273133| 125582717	Egyptian Propylene and Polypropylene Company| Faculty of Science| Port Said University| Damietta University| Faculty of Science| Higher Institute of Engineering and Technology	5.72E+10	5.72E+10	5.72E+10	-	Egypt	1	2212| 2310| 2312
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	3	2304
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	60006793| 60108617| 60274042	Universidad de Oviedo| Port Said University| Faculty of Engineering- Port Said University	5.72E+10	5.72E+10	5.72E+10	-	Spain| Egypt	2	2102| 2103| 2104| 2105
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	60030441| 60020345| 60079227| 60109550| 60115196| 60274042| 60002575	Faculty of Science, Ibn Tofail University| Brandenburgische Technische Universität Cottbus| School of Chemical and Metallurgical Engineering| Institut de Recherche en Energie Solaire et Energies Nouvelles| Procédés et Ingénierie en Mécanique et Matériaux| Faculty of Engineering- Port Said University| Faculty of Engineering	2.4E+10	5.78E+10	2.4E+10	-	Egypt| South Africa| Germany| Morocco| France	5	1602| 2103
Extraction of Nanocellulose for Eco-Friendly Biocomposite Adsorbent for Wastewater Treatment	60004582| 60274042| 60108617| 60274043| 60033041| 60008708	King Abdulaziz University| Faculty of Engineering- Port Said University| Port Said University| Faculty of Science| Alexandria University| Faculty of Engineering	5.72E+10	5.55E+10	5.72E+10	-	Egypt| Saudi Arabia	2	1600| 2507
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	5.73E+10	5.72E+10	5.72E+10	-	Egypt	1	1100| 2304| 2305

Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium	113033752| 60023291| 60274028| 60108617| 60274043| 60014618	Al-Menoufia Water and Wastewater Company| Menoufia University| Faculty of Science| Port Said University| Faculty of Science| National Research Centre	5.53E+10	5.99E+10	5.53E+10	-	Egypt	1	1500
Toward a national life cycle assessment tool: Generative design for early decision support	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	5.77E+10	5.72E+10	5.77E+10	-	Egypt	1	2205| 2208| 2210| 2215
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V	60102538| 60274042| 60108617| 117226304	Karlsruher Institut für Technologie| Faculty of Engineering- Port Said University| Port Said University| 3D Systems Leuven	5.72E+10	3.52E+10	5.72E+10	-	Belgium| Egypt| Germany	3	1507| 1508| 1706| 2200| 2500| 3105
Multi-Objective Optimization of Performance Indicators in Turning of AISI 1045 under Dry Cutting Conditions	60013183| 60019087| 60218045| 60027423| 60273899| 60027314| 60108617| 60274042| 60273423| 60023356	King Saud University| The American University in Cairo| School of Sciences and Engineering| Fayoum University| Faculty of Engineering| Karlsruher Institut für Technologie, Campus Nord| Port Said University| Faculty of Engineering- Port Said University| Faculty of Engineering| The British University in Egypt	3.7E+10	5.48E+10	3.7E+10	-	Egypt| Saudi Arabia| Germany	3	2500| 2506
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	60030736| 60108617	King Faisal University| Port Said University	-	-	5.8E+10	5.8E+10	Egypt| Saudi Arabia	2	1402| 1404| 2001
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	5	1500| 1600
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism	60030271| 60108617| 60274043| 60027741| 60009353	National Institute of Oceanography and Fisheries| Port Said University| Faculty of Science| King Khalid University| Egyptian Atomic Energy Authority	5.72E+10	8.51E+09	5.79E+10	-	Egypt| Saudi Arabia	2	3005
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system	60011373| 60027314| 60108617| 60274042| 60102538	Technical University of Denmark| Karlsruher Institut für Technologie, Campus Nord| Port Said University| Faculty of Engineering- Port Said University| Karlsruher Institut für Technologie	5.72E+10	2.19E+10	5.72E+10	-	Egypt| Germany| Denmark	3	2207| 2209
Evolution of BIM to DTs: A Paradigm Shift for the Post-Pandemic AECO Industry	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	5.59E+10	5.72E+10	5.59E+10	-	Egypt	1	2301| 2310| 2311| 3305| 3322
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	1	2300| 2308| 2310
Effect of Process Parameters on the Performance of Drop-On-Demand 3D Inkjet Printing: Geometrical-Based Modeling and Experimental Validation	60027314| 60102538| 60108617| 60274042| 60004572	Karlsruher Institut für Technologie, Campus Nord| Karlsruher Institut für Technologie| Port Said University| Faculty of Engineering- Port Said University| Swansea University	5.48E+10	3.52E+10	5.48E+10	-	United Kingdom| Egypt| Germany	3	1600| 2507
Retrofit of heat exchanger networks by graphical Pinch Analysis	60069831| 60274042| 60108617| 60273423| 60023356| 60029170| 60118717| 60010294	College of Technological Studies Kuwait| Faculty of Engineering- Port Said University| Port Said University| Faculty of Engineering|	3.62E+10	5.78E+10	3.62E+10	-	Egypt| Kuwait| Sweden	3	1507| 2201

- A case study of a crude oil refinery in Kuwait		The British University in Egypt| Lunds Universitet| Institutionen för Kemiteknik| Cairo University							
Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304	60274042| 60108617| 60231617| 60012022| 60027314| 60023356| 60273423	Faculty of Engineering- Port Said University| Port Said University| Faculty of Engineering| Mansoura University| Karlsruher Institut für Technologie, Campus Nord| The British University in Egypt| Faculty of Engineering	5.72E+10	5.48E+10	5.48E+10	-	Egypt| Germany	2	2500| 3104
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	60108617| 60274043| 60092747| 60030271| 60108640| 60099697| 60274042| 60023291| 60274028| 116657979| 60104710| 60274485| 60108699	Port Said University| Faculty of Science| Egyptian Propylene and Polypropylene Company| National Institute of Oceanography and Fisheries| KPR Institute of Engineering and Technology| ICAR - Indian Institute of Soil and Water Conservation, Dehradun| Faculty of Engineering- Port Said University| Menoufia University| Faculty of Science| Holding Company for Water and Wastewater| Suez University| Faculty of Science| University of Jeddah	5.72E+10	9.43E+09	9.43E+09	-	India| Egypt| Saudi Arabia	3	1601| 2304| 2505
Energy Management of Microgrids Using Load Shifting and Multi-agent System	60239348| 60020322| 60108617| 60274042	Faculty of Engineering| Suez Canal University| Port Said University| Faculty of Engineering- Port Said University	4.61E+10	6.51E+09	4.61E+10	-	Egypt	1	1706| 2102| 2207| 2208
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	127433852| 60105002| 60023914| 60108617| 60274042| 60079227| 60016218	Institute of Living Systems| Kazan National Research Technological University| Perm State University| Port Said University| Faculty of Engineering- Port Said University| School of Chemical and Metallurgical Engineering| University of the Witwatersrand, Johannesburg	5.8E+10	5.52E+10	5.8E+10	-	Egypt| South Africa| Russian Federation	3	1104| 1303| 2312| 3305
Fundamental investigation into tool wear and surface quality in high-speed machining of Ti6Al4V alloy	60013183| 60274042| 60108617| 60102538	King Saud University| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie	3.7E+10	5.48E+10	3.7E+10	-	Egypt| Saudi Arabia| Germany	3	2500| 3104
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	60030736| 60108617	King Faisal University| Port Said University	5.8E+10	5.79E+10	5.8E+10	-	Egypt| Saudi Arabia	2	1701| 1705| 1708| 2102| 2105| 2301| 2308| 3305
Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces	60023356| 60273423| 60010294| 60002575| 60108617| 60274042	The British University in Egypt| Faculty of Engineering| Cairo University| Faculty of Engineering| Port Said University| Faculty of Engineering- Port Said University	5.72E+10	7.01E+09	1.62E+10	-	Egypt	1	1503| 1506| 1507| 1508| 2101| 3304
Experimental Investigation and Optimization of Turning Polymers Using RSM, GA, Hybrid FFD-GA, and MOGA Methods	60025518| 60108617| 60274042| 60239348| 60020322	Qassim University| Port Said University| Faculty of Engineering- Port Said University| Faculty of Engineering| Suez Canal University	5.59E+10	5.72E+10	55863063100| 55213852600	-	Egypt| Saudi Arabia	2	1600| 2507
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	1	2215| 2216| 3302| 3322
Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent	124357395| 60274042| 60108617	The High Institute of Engineering and Technology in New Damietta| Faculty of Engineering- Port Said University| Port Said University	5.72E+10	2.4E+10	5.72E+10	-	Egypt	1	2312
Diverse applications of versatile quaternized chitosan salts: A review	60005618| 60198743| 60009057| 60031268| 60007751| 130008141| 60014059| 60032873| 60012835| 60028174| 60274043| 60108617	Universidad Autónoma de Baja California| Pharmaceutical Sciences Research Center, Kermanshah University of Medical Sciences| Kermanshah University of Medical Sciences| Shahid Bahonar University of Kerman| Amirkabir University of Technology|	5.63E+10	5.72E+10	5.63E+10	-	Mexico| Egypt| Germany| Iran	4	1106| 1303| 1312| 1315| 2502

		Emerald Experts Laboratory| Martin-Luther-Universität Halle-Wittenberg| Shahid Beheshti University| Iran University of Science and Technology| Isfahan University of Technology| Faculty of Science| Port Said University							
Investigating the role of the urban environment in controlling pandemics transmission: Lessons from history	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	-	-	5.75E+10	5.75E+10	Egypt	1	2200
Simulated soil water distribution patterns and water use of Alfalfa under different subsurface drip irrigation depths	60274042| 60108617| 60014439| 60008493| 60001989| 60029526| 60023624	Faculty of Engineering- Port Said University| Port Said University| University of California, Davis| University of California Kearney Agricultural Research and Extension Center| USDA Agricultural Research Service| University of California, Riverside| USDA ARS Salinity Laboratory	5.7E+10	7E+09	5.7E+10	-	Egypt| United States	2	1102| 1111| 1904| 2312
Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8)	60029738| 60108617| 60274043| 60092747| 60025858| 60018830| 60018623| 60071768	Queen's University Belfast| Port Said University| Faculty of Science| Egyptian Propylene and Polypropylene Company| ETH Zürich| Faculty of Science| South Valley University| Sultan Qaboos University	5.54E+10	7.01E+09	55362658600| 39761537200| 57117662400	-	United Kingdom| Oman| Egypt| Switzerland	4	2304
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts	60013183| 60002575| 60010294| 60274042| 60108617| 60102538| 60027314	King Saud University| Faculty of Engineering| Cairo University| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie| Karlsruher Institut für Technologie, Campus Nord	3.7E+10	5.72E+10	3.7E+10	-	Egypt| Saudi Arabia| Germany	3	1700| 2200| 2500
Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes	60007226| 60012022| 60194974| 60042753| 60016242| 60030398| 60250986| 60026112| 60189587| 60273202| 60108625| 60273572| 129990435| 60016452| 60104334| 60035301| 60105222| 60108617| 60274075| 60239239| 60020322	Faculty of Medicine| Mansoura University| Almaarefa University| Zarqa University| Kornberg School of Dentistry| Temple University| Faculty of Veterinary Medicine Benha University| Benha University| Badr University in Cairo| School of Veterinary Medicine| University of Sadat City| Faculty of Veterinary Medicine| University of Life Sciences "King Michael I" from Timişoara| Universitatea de Medicina si Farmacie Victor Babes din Timisoara| Imam Abdulrahman Bin Faisal University| Mutah University| Prince Sattam Bin Abdulaziz University| Port Said University| Faculty of Nursing| Faculty of Dentistry| Suez Canal University	5.72E+10	5.79E+10	5.7E+10	-	Egypt| Saudi Arabia| Jordan| United States| Romania	5	1300| 3000
Multiobjective Optimization of Laser Polishing of Additively Manufactured Ti-6Al-4V Parts for Minimum Surface Roughness and Heat-Affected Zone	60102538| 60027314| 60108617| 60274042	Karlsruher Institut für Technologie| Karlsruher Institut für Technologie, Campus Nord| Port Said University| Faculty of Engineering- Port Said University	5.72E+10	6.7E+09	57204610978| 6701632312	-	Egypt| Germany	2	2500| 3104
An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651	60022414| 60104710| 60274488| 60105222| 60274481| 60016618| 60216991| 60108617| 60274042	Wuhan University of Technology| Suez University| Faculty of Engineering| Prince Sattam Bin Abdulaziz University| Faculty of Petroleum and Mining Engineering| Ain Shams University| Faculty of Engineering Ain Shams University| Port Said University| Faculty of Engineering- Port Said University	5.75E+10	5.7E+10	5.55E+10	-	China| Egypt| Saudi Arabia	3	2210
Handover Performance Improvement in Heterogeneous Wireless Network	60108617| 60274042| 125637965	Port Said University| Faculty of Engineering- Port Said University| International Academy for Engineering and Media Science	5.72E+10	3.62E+10	-	-	Egypt	1	1705| 1706| 1708| 1802| 2208| 2718
In-process digital monitoring of additive manufacturing: Proposed machine	60027314| 60016618| 60216991| 60011373| 60274042| 60108617| 60102538	Karlsruher Institut für Technologie, Campus Nord| Ain Shams University| Faculty of Engineering Ain Shams University| Technical University of Denmark| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie	5.72E+10	3.52E+10	5.72E+10	-	Egypt| Germany| Denmark	3	1700| 1800

learning approach and potential implications on sustainability									
Adsorption of Gentian violet dye onto mesoporous aluminosilica monoliths: nanoarchitectonics and application to industrial wastewater	60105146| 60108699| 60274485| 60104710| 60108617| 60274043	Princess Nourah Bint Abdulrahman University| University of Jeddah| Faculty of Science| Suez University| Port Said University| Faculty of Science	5.72E+10	9.43E+09	5.72E+10	-	Egypt| Saudi Arabia	2	1111| 1602| 2304| 2307| 2310| 2311| 2312| 2739
Enhancing Object Detection in Remote Sensing: A Hybrid YOLOv7 and Transformer Approach with Automatic Model Selection	60002306| 60108617	University of Calgary| Port Said University	5.88E+10	3.62E+10	5.88E+10	-	Egypt| Canada	2	1900
The Neutrosophic Treatment for Multiple Storage Problem of Finite Materials and Volumes	118709932| 109934554| 60274043| 60108617| 60109788	Al-Sham Private University| Albaath University| Faculty of Science| Port Said University| University of Telafer	5.74E+10	5.72E+10	5.74E+10	-	Iraq| Egypt| Syrian Arab Republic	3	2601| 2604| 2609
Predicting Forced Blower Failures Using Machine Learning Algorithms and Vibration Data for Effective Maintenance Strategies	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	5.86E+10	5.72E+10	5.86E+10	-	Egypt	1	2210| 2211| 2213| 2500
Improving and Predicting the Surface Roughness and the Machining Accuracy in Ultrasonic Vibration-Assisted Milling	60274042| 60108617| 60025997| 60273876| 60117075| 60008708| 60033041	Faculty of Engineering- Port Said University| Port Said University| Keio University| Faculty of Engineering| Egypt-Japan University of Science and Technology| Faculty of Engineering| Alexandria University	5.72E+10	5.72E+10	5.72E+10	-	Japan| Egypt	2	2210| 3102
Influences of greenly synthesized iron oxide nanoparticles on the bioremediation of dairy effluent using selected microbial isolates	60108617| 60274043| 60004238| 60033041| 60108699	Port Said University| Faculty of Science| Faculty of Science| Alexandria University| University of Jeddah	5.72E+10	9.43E+09	9.43E+09	-	Egypt| Saudi Arabia	2	1100| 2304| 2305
Synthesis and application of a novel self-smart sensor based on a modified amino-functionalized Zr-metal–organic framework for rapid and selective detection of some toxic metals in wastewater	126636421| 60274485| 60104710| 60108617| 60274043	Higher Institute of Engineering and Technology| Faculty of Science| Suez University| Port Said University| Faculty of Science	5.72E+10	5.72E+10	3.61E+10	-	Egypt	1	1600| 1604
Modified coal fly ash for textile dye removal from industrial wastewater	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	5.73E+10	5.72E+10	5.73E+10	-	Egypt	1	2101| 2102| 2105| 2305
Analytical Performance and Greenness Evaluation of Five Multi-Level Design Models Utilized for Impurity Profiling of Favipiravir, a Promising COVID-19 Antiviral Drug	60104727| 60274067| 60108617| 60274319| 60003593| 60007902	University of Nizwa| Faculty of Pharmacy| Port Said University| Faculty of Pharmacy| Zagazig University| Technische Universität Braunschweig	5.53E+10	5.64E+10	1.41E+10	-	Egypt| Oman| Germany	3	1313| 1601| 1602| 1605| 1606| 3002| 3003
Ten questions concerning the integration of digital	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	5.87E+10	5.82E+10	5.87E+10	-	Egypt	1	1400| 2215| 2216

fabrication techniques into the architectural design process									
Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades	60108617| 60274042| 60013183| 60104893| 60274173	Port Said University| Faculty of Engineering- Port Said University| King Saud University| Zewail City of Science and Technology| University of Science and Technology	5.72E+10	5.72E+10	6.6E+09	-	Egypt| Saudi Arabia	2	1501| 1502| 1508
An Experimental Study of Indoor Air Quality Enhancement Using Breathing Walls	60274042| 60108617| 129621639	Faculty of Engineering- Port Said University| Port Said University| CHP Company	5.72E+10	5.89E+10	5.72E+10	-	Egypt	1	2205| 2216
Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms	60003593| 60274319| 60108617| 60274067| 60273007| 60110581| 60231631| 60012022	Zagazig University| Faculty of Pharmacy| Port Said University| Faculty of Pharmacy| Faculty of Pharmacy| Egyptian Russian University| Faculty of Pharmacy| Mansoura University	7.01E+09	5.63E+10	5.53E+10	-	Egypt	1	1600
A conceptual efficient design of energy recovery systems using a new energy-area key parameter	60069831| 60274042| 60108617| 60023356| 60273442	College of Technological Studies Kuwait| Faculty of Engineering- Port Said University| Port Said University| The British University in Egypt| Nanotechnology Research Center	3.62E+10	5.72E+10	3.62E+10	-	Egypt| Kuwait	2	2100
Impact of organic peroxide on a moderate molecular weight homo-polypropylene vis breaking, and mechanism of interaction	60020322| 60239261| 60274043| 60108617	Suez Canal University| Faculty of Science| Faculty of Science| Port Said University	6.6E+09	5.72E+10	5.72E+10	-	Egypt	1	1604| 1605| 2505
Assessing Xeriscaping as a Retrofit Sustainable Water Consumption Approach for a Desert University Campus	60030736| 60108617| 60274042| 60029258| 60273335	King Faisal University| Port Said University| Faculty of Engineering- Port Said University| Helwan University| Faculty of Tourisim & Hotel Management	5.77E+10	4.38E+10	57732309400| 43762250600	-	Egypt| Saudi Arabia	2	1104| 1303| 2312| 3305
Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	3.53E+10	2.66E+10	5.72E+10	-	Egypt	1	1000
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	4	2304| 2307| 2310
Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines	60013183| 60008665| 60274042| 60108617| 60102538	King Saud University| United Arab Emirates University| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie	5.72E+10	5.48E+10	2.35E+10	-	United Arab Emirates| Egypt| Saudi Arabia| Germany	4	1700| 2200| 2208| 2500
Study Attenuation Parameters and Physical Properties of Silicone Rubber Reinforced with Nano- and Micro-Sized	60033041| 60004238| 60274043| 60108617| 60023589| 60009353	Alexandria University| Faculty of Science| Faculty of Science| Port Said University| Nuclear Research Center| Egyptian Atomic Energy Authority	7E+09	5.54E+10	5.54E+10	-	Egypt	1	2504

Aluminum Oxide Composites									
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	60026365| 60010294| 60274043| 60108617| 60010884| 60014618| 60002575	Faculty of Science| Cairo University| Faculty of Science| Port Said University| Western University| National Research Centre| Faculty of Engineering	5.72E+10	5.72E+10	5.72E+10	-	Egypt| Canada	2	1500| 1600
A Low-Cost Multi-sensor Deep Learning System for Pavement Distress Detection and Severity Classification	60274042| 60108617| 60002306	Faculty of Engineering- Port Said University| Port Said University| University of Calgary	5.72E+10	2.65E+10	2.65E+10	-	Egypt| Canada	2	1705| 1706| 1710| 2208| 2214
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V	60102538| 60108617| 60274042	Karlsruher Institut für Technologie| Port Said University| Faculty of Engineering- Port Said University	5.72E+10	6.7E+09	-	-	Egypt| Germany	2	1706| 2208| 2504| 2604| 3104
Solidification of Alum Industry Waste for Producing Geopolymer Mortar	60274043| 60108617| 125499659| 60274421| 60016618	Faculty of Science| Port Said University| R&D Director Aluminum Sulfate Co.| College of Graduate Studies And Environmental Research| Ain Shams University	5.72E+10	1.51E+10	5.72E+10	-	Egypt	1	1600| 2500| 2501
Gas-tight means zero defects - design considerations for thin-walled fluidic devices with overhangs by laser powder bed fusion	60027314| 60274042| 60108617| 60102538| 60004572	Karlsruher Institut für Technologie, Campus Nord| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie| Swansea University	5.72E+10	6.7E+09	5.72E+10	-	United Kingdom| Egypt| Germany	3	2210| 2211| 2500
Exploring the sources, occurrence, transformation, toxicity, monitoring, and remediation strategies of per- and polyfluoroalkyl substances: a review	60274043| 60108617| 60092747| 60030271| 60110414| 60019332| 60069010| 60033041| 60004238| 60031707| 60108699| 60003138| 60007029	Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company| National Institute of Oceanography and Fisheries| Central Agricultural Pesticides Laboratory| Agricultural Research Center| Poznan University of Medical Sciences| Alexandria University| Faculty of Science| Michigan State University| University of Jeddah| Universidad de Córdoba| Jiangnan University	5.72E+10	9.43E+09	9.43E+09	-	China| Spain| Egypt| Poland| United States| Saudi Arabia	6	2300| 2308| 2310
A State-of-the-Art Review and Bibliometric Analysis on the Smart Preservation of Heritages	60274042| 60108617| 60017803| 60109096| 60010365	Faculty of Engineering- Port Said University| Port Said University| Western Sydney University| Torrens University Australia| The University of British Columbia	5.79E+10	3.5E+10	57882214000| 36240229200	-	Egypt| Australia| Canada	3	2205| 2215| 2216
Two Eco-Friendly Chromatographic Methods Evaluated by GAPI for Simultaneous Determination of the Fluoroquinolones Moxifloxacin, Levofloxacin, and Gemifloxacin in Their Pharmaceutical Products	60108617| 60274067| 60239291| 60020322| 60110514| 60239261	Port Said University| Faculty of Pharmacy| Faculty of Pharmacy| Suez Canal University| University of Tabuk| Faculty of Science	5.56E+10	3.6E+10	5.56E+10	-	Egypt| Saudi Arabia	2	1506| 1602
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	2	1909| 2201| 2205| 2215| 2305
Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication	60027314| 60108617| 60274042| 60004572| 60102538	Karlsruher Institut für Technologie, Campus Nord| Port Said University| Faculty of Engineering- Port Said University| Swansea University| Karlsruher Institut für Technologie	5.48E+10	3.52E+10	5.48E+10	-	United Kingdom| Egypt| Germany	3	1700| 1800

Graphical analysis and revamping of crude distillation units under variable operational scenarios	127310401| 60022148| 60146648| 60024728| 60108617| 60010294| 60002575	Higher Institute of Engineering and Technology| University College London| College of Engineering and Computing| Missouri University of Science and Technology| Port Said University| Cairo University| Faculty of Engineering	5.79E+10	7.01E+09	5.72E+10	-	United Kingdom| Egypt| United States	3	1500| 2201| 2301| 2304| 2305
Vehicle-Mounted Fog-Node with LoRaWAN for Rural Data Collection	120735706| 60021097| 60239348| 60274042	Information Technology Institution| University of Surrey| Faculty of Engineering| Faculty of Engineering- Port Said University	5.8E+10	3.7E+10	5.8E+10	-	United Kingdom| Egypt	2	2208
Performance assessment and process optimization of a sulfur recovery unit: a real starting up plant	60010294| 60274042| 60108617| 60023356| 60273423| 60117075| 60273876	Cairo University| Faculty of Engineering- Port Said University| Port Said University| The British University in Egypt| Faculty of Engineering| Egypt-Japan University of Science and Technology| Faculty of Engineering	5.72E+10	5.72E+10	5.72E+10	-	Egypt	1	2300| 2308| 2310
Market Orientation and New Product Development Performance in Egyptian Food Industry: The Mediating Role of Marketing Technical Integration	60012022| 60231651| 60108617| 60274077| 60005880	Mansoura University| Faculty of Commerce| Port Said University| Faculty of Commerce| Imam Mohammad Ibn Saud Islamic University	5.72E+10	5.72E+10	57218669587| 57208782685	-	Egypt| Saudi Arabia	2	1106| 1403| 1406
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	2	2102| 2103| 2104| 2105
Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining Responses, Empirical Modeling and Multi-Objective Optimization	60012022| 60231617| 60108617| 60274042| 60019087| 60218045| 60027423| 60273899| 60273423| 60023356| 60027314	Mansoura University| Faculty of Engineering| Port Said University| Faculty of Engineering- Port Said University| The American University in Cairo| School of Sciences and Engineering| Fayoum University| Faculty of Engineering| Faculty of Engineering| The British University in Egypt| Karlsruher Institut für Technologie, Campus Nord	5.81E+10	5.48E+10	3.67E+10	-	Egypt| Germany	2	2209| 2210| 2211
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	5.77E+10	5.59E+10	5.77E+10	-	Egypt	1	1400| 2205| 2215| 2216
Examining Nursing Students' Prevalence of Nomophobia, and Psychological Alienation and Their Correlates With Fear of Missing Out: A Multisites Survey	60274075| 60105222| 60033041| 60274388| 60020322| 60239407| 60104126| 60273275| 60105346	Faculty of Nursing| Prince Sattam Bin Abdulaziz University| Alexandria University| Faculty of Nursing| Suez Canal University| Faculty of Nursing| Jouf University| Faculty of Nursing| Damanhour University	5.91E+10	5.95E+10	5.93E+10	-	Egypt| Saudi Arabia	2	2900
Aspect-oriented analytics of big data	60031888| 60274081| 60108617	Saint Petersburg State University| Faculty of Management Technology and Information Systems| Port Said University	-	-	5.72E+10	5.72E+10	Egypt| Russian Federation	2	1700
On the correlation between pre-processing workflow and dimensional accuracy of 3D printed parts in high-precision Material Jetting	60027314| 60102538| 60274042| 60108617| 60023356| 60273423	Karlsruher Institut für Technologie, Campus Nord| Karlsruher Institut für Technologie| Faculty of Engineering- Port Said University| Port Said University| The British University in Egypt| Faculty of Engineering	5.72E+10	1.58E+10	5.72E+10	-	Egypt| Germany	2	2201| 2204| 2209| 2500
The Internet of Robotic Things: A Review of Concept, Challenges and Applications	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	5.86E+10	2.66E+10	5.86E+10	-	Egypt	1	1705| 1706| 1710| 2208| 2214

Experimental Analyses and Predictive Modelling of Ultrasonic Welding Parameters for Enhancing Smart Textile Fabrication	60274042| 60108617| 60020661	Faculty of Engineering- Port Said University| Port Said University| University of Liverpool	5.72E+10	5.58E+10	5.58E+10	-	United Kingdom| Egypt	2	1303| 1602| 1710| 2208| 3105| 3107
AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY	60108617| 60006793	Port Said University| Universidad de Oviedo	5.72E+10	5.72E+10	5.72E+10	-	Spain| Egypt	2	2102| 2105
Photocatalytic Degradation of Chlorinated Hydrocarbons: The By-Product of the Petrochemical Industry Using Ag-Cu/Graphite Bimetallic Carbon Nitride	60011287| 60273121| 60026575| 60109361| 60033041| 60274042| 60108617	Pharos University in Alexandria| Faculty of Engineering| University of Oradea| Institute of Graduate Studies and Research| Alexandria University| Faculty of Engineering- Port Said University| Port Said University	5.79E+10	5.72E+10	5.6E+10	-	Egypt| Romania	2	1701| 1705| 1708| 2102| 2105| 2301| 2308| 3305
Experimental and numerical investigation of a three-blade horizontal axis hydrokinetic water turbine (HAHWT) in high blockage conditions	60017293| 60006793| 60274042| 60108617	Università degli Studi di Napoli Federico II| Universidad de Oviedo| Faculty of Engineering- Port Said University| Port Said University	5.72E+10	5.8E+10	5.72E+10	-	Spain| Egypt| Italy	3	2105
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	131097069| 60108617| 60274042	High Institute of Engineering & Technology| Port Said University| Faculty of Engineering- Port Said University	5.72E+10	5.91E+10	5.72E+10	-	Egypt	1	2101| 2105| 2301| 3305
Correlation between Polyaromatic Hydrocarbons (PAHs) Discharges at El-Manzala Wetland with the Relative Gene Expression of CYP19 Gene of the Nile Tilapia (Oreochromis. niloticus)	60030271| 60108617| 60274043	National Institute of Oceanography and Fisheries| Port Said University| Faculty of Science	9.23E+09	8.7E+09	5.91E+10	-	Egypt	1	1104
An adaptive optimized handover decision model for heterogeneous networks	60274042| 60274154| 60273464| 60273136| 60092729	Faculty of Engineering- Port Said University| Faculty of Engineering| Faculty of Engineering| Faculty of Engineering Helwan| National Telecom Regulatory Authority	5.72E+10	3.7E+10	5.72E+10	-	Egypt	1	1000
A machine learning-based framework for efficient LTE downlink throughput	60274042| 60108617| 60008920	Faculty of Engineering- Port Said University| Port Said University| Taibah University	5.72E+10	2.66E+10	2.66E+10	-	Egypt| Saudi Arabia	2	1702
Efficient Noise Reduction System in Industrial IoT Data Streams	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	3.53E+10	2.66E+10	5.72E+10	-	Egypt	1	1705| 1706| 1710| 2208| 2214
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	130798455| 60108617| 60274042	International Pipe Industry Co| Port Said University| Faculty of Engineering- Port Said University	5.89E+10	5.72E+10	5.89E+10	-	Egypt	1	2311
Computational fluid dynamics-based design of anoxic bioreactor	60108617| 60274042| 60024724| 60028225	Port Said University| Faculty of Engineering- Port Said University| University of Strathclyde| Desert Research Center	5.72E+10	8.35E+09	5.58E+10	-	United Kingdom| Egypt	2	2212| 2310| 2312

zone in wastewater treatment plant									
Development and Numerical Optimization of a System of Integrated Agents for Serial Production Lines	60013183| 60023356| 60273423| 60274042| 60108617| 60027314	King Saud University| The British University in Egypt| Faculty of Engineering| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie, Campus Nord	5.72E+10	5.48E+10	5.48E+10	-	Egypt| Saudi Arabia| Germany	3	1501| 1502| 1508
Effect of copper cooperation to customize sustainable aluminum alloy through recycling approach	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	5.72E+10	5.72E+10	5.72E+10	-	Egypt	1	2210| 2211
Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated	124796734| 60023356| 60273423| 60121663| 60030612| 60108617| 60002575| 60010294	Higher Institute of Engineering and Technology| The British University in Egypt| Faculty of Engineering| UC San Diego Jacobs School of Engineering| University of California, San Diego| Port Said University| Faculty of Engineering| Cairo University	5.79E+10	7.01E+09	5.72E+10	-	Egypt| United States	2	1500
Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion	60027314| 60102538| 60274042| 60108617| 60010618	Karlsruher Institut für Technologie, Campus Nord| Karlsruher Institut für Technologie| Faculty of Engineering- Port Said University| Port Said University| Vellore Institute of Technology	5.48E+10	3.52E+10	54786368200| 57204613010	-	India| Egypt| Germany	3	1507| 1508| 1706| 2200| 2500| 3105
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	60030736| 60108617	King Faisal University| Port Said University	5.74E+10	5.8E+10	5.8E+10	-	Egypt| Saudi Arabia	2	1701| 1801| 2001| 2203| 2207| 2606| 3301
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	60281135| 60274625| 60009750| 60108617| 60274042	University of Technology and Applied Sciences Suhar| Faculty of Engineering| Minia University| Port Said University| Faculty of Engineering- Port Said University	5.89E+10	5.81E+10	2.17E+10	-	Egypt| Oman	2	2305| 2308| 2310
Power grids with renewable energy: Storage, integration and digitalization	60108617| 60002306	Port Said University| University of Calgary	7E+09	7.1E+09	-	-	Egypt| Canada	2	2200
Proposed HCDNA for Enhancing the Security of Marine Environment IoT Systems	60239348| 60020322| 60273669| 60170200| 60274042| 60108617	Faculty of Engineering| Suez Canal University| Faculty of Engineering| Delta University for Science and Technology| Faculty of Engineering- Port Said University| Port Said University	5.81E+10	3.62E+10	5.81E+10	-	Egypt	1	1702| 1705| 1706| 1711| 1802| 2208| 2605| 3105
Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D Micro-Devices	60102538| 60108617| 60274042| 60216991| 60016618	Karlsruher Institut für Technologie| Port Said University| Faculty of Engineering- Port Said University| Faculty of Engineering Ain Shams University| Ain Shams University	3.52E+10	1.58E+10	5.48E+10	-	Egypt| Germany	2	1700| 2207
Mechanical tolerance analysis using approximations and the Monte Carlo method	60108617| 60274042| 60002575| 60010294	Port Said University| Faculty of Engineering- Port Said University| Faculty of Engineering| Cairo University	5.72E+10	5.72E+10	5.72E+10	-	Egypt	1	2200

Sustainable transportation: An overview and fusion for the last decade	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	-	-	5.64E+10	5.64E+10	Egypt	1	2200
Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical-Axis Wind Turbine	60108617| 60274042| 60006793	Port Said University| Faculty of Engineering- Port Said University| Universidad de Oviedo	5.72E+10	5.72E+10	5.72E+10	-	Spain| Egypt	2	2200
Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery	60273423| 60023356| 60108617| 60022148	Faculty of Engineering| The British University in Egypt| Port Said University| University College London	5.72E+10	5.72E+10	5.72E+10	-	United Kingdom| Egypt	2	1500
MATLAB MODEL FOR THE DESIGN OF HEAT EXCHANGER NETWORKS IN CHEMICAL PROCESSES	60273423| 60023356| 60108617	Faculty of Engineering| The British University in Egypt| Port Said University	5.76E+10	5.59E+10	5.59E+10	-	Egypt	1	2200
The Reciprocal Relationship Between Urban Form and Social Sustainability Aspects	60275137| 60275183| 60274042| 60108617| 60239348| 60020322	Arab Academy for Science, Technology and Maritime Transport Port Said Campus| College of Engineering and Technology| Faculty of Engineering- Port Said University| Port Said University| Faculty of Engineering| Suez Canal University	5.8E+10	5.8E+10	5.8E+10	-	Egypt	1	2105| 2216| 2304
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	2	1500
Efficient Optimization Model for Buffer Size Problem in Production Line with Rework Path	60013183| 60108617| 60274042| 60102538	King Saud University| Port Said University| Faculty of Engineering- Port Said University| Karlsruher Institut für Technologie	5.72E+10	5.48E+10	-	-	Egypt| Saudi Arabia| Germany	3	1408| 1803| 2207| 2209
Preliminary Failure Analyses of Loaded Hot Water Bottles	60020661| 60274042| 60108617	University of Liverpool| Faculty of Engineering- Port Said University| Port Said University	5.82E+10	5.58E+10	5.58E+10	-	United Kingdom| Egypt	2	1507| 1508| 1706| 2200| 2500| 3105
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	2	1500
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	5	1507
Development of an Optimization Model for Multiple Production Systems with Split and Merge	60013183| 60274042| 60108617| 60102538	King Saud University| Faculty of Engineering- Port Said University| Port Said University| Karlsruher Institut für Technologie	5.72E+10	5.48E+10	-	-	Egypt| Saudi Arabia| Germany	3	1408| 1803| 2207| 2209
Utilization of Neural Network-Based Approach in Bike Routes Optimization for Port Said Urban Road Network	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	-	-	5.64E+10	5.64E+10	Egypt	1	2105| 2216| 2304

Symmetry and Analysis of Fluid Queueing Systems Driven by Non-Truncated Erlangian Service Queues	60274958| 60004871| 60025518| 60274081| 60108617	Faculty of Commerce| Al-Azhar University| Qassim University| Faculty of Management Technology and Information Systems| Port Said University	3.57E+10	5.72E+10	5.72E+10	-	Egypt| Saudi Arabia	2	1601| 1701| 2600| 3101
Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	130269950| 60105081| 60108617| 60274042	High Institute of Engineering and Technology| Islamic University of Madinah| Port Said University| Faculty of Engineering- Port Said University	5.72E+10	5.92E+10	5.72E+10	-	Egypt| Saudi Arabia	2	1600| 2500| 2501

Title	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	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	Environmental Chemistry	4| 2	Natural Sciences| Engineering & Technology	424| 249	Environmental Sciences| Engineering - Petroleum	37
A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process	Engineering (miscellaneous)| Environmental Engineering	2	Engineering & Technology	424	Environmental Sciences	37| 36
Conversion of biomass to biofuels and life cycle assessment: a review	Environmental Chemistry	2| 4	Engineering & Technology| Natural Sciences	424| 249	Environmental Sciences| Engineering - Petroleum	37
Insight on water remediation application using magnetic nanomaterials and biosorbents	General Chemistry| Inorganic Chemistry| Physical and Theoretical Chemistry| Materials Chemistry	2| 4	Engineering & Technology| Natural Sciences	409| 433| 249	Chemistry| Materials Science| Engineering - Petroleum	37| 36
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	Energy Engineering and Power Technology| Environmental Science (miscellaneous)| Ecology| Waste Management and Disposal	2| 4| 3	Engineering & Technology| Natural Sciences| Social Sciences & Management	424| 249| 221	Environmental Sciences| Engineering - Petroleum| Engineering - Electrical & Electronic	36| 37
Material jetting for advanced applications: A state-of-the-art review, gaps and future directions	Engineering (miscellaneous)| Biomedical Engineering| Industrial and Manufacturing Engineering| General Materials Science	2	Engineering & Technology	507| 222| 433	Biological Sciences| Engineering - Mechanical| Materials Science	36
Adsorption of polluted dyes from water by transition metal oxides: A review	Surfaces, Coatings and Films| Surfaces and Interfaces	4	Natural Sciences	439| 433	Physics & Astronomy| Materials Science	37| 36
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	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	Environmental Chemistry	4| 2	Natural Sciences| Engineering & Technology	424| 249	Environmental Sciences| Engineering - Petroleum	37
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels	Fluid Flow and Transfer Processes| Process Chemistry and Technology| Computer Science Applications| General Engineering| General Materials Science| Instrumentation	4| 2	Natural Sciences| Engineering & Technology	433| 249| 439| 213| 212| 219	Materials Science| Engineering - Petroleum| Physics & Astronomy| Data Science| Computer Science & Information Systems| Engineering - Chemical	36| 38| 37
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	Fluid Flow and Transfer Processes| Process Chemistry and Technology| Computer Science Applications| General Engineering| General Materials Science| Instrumentation	4| 2	Natural Sciences| Engineering & Technology	219| 212| 433| 439| 249| 213	Engineering - Chemical| Computer Science & Information Systems| Materials Science| Physics & Astronomy| Engineering - Petroleum| Data Science	38| 37| 36

Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview	Bioengineering| Environmental Chemistry| Environmental Engineering	4| 2	Natural Sciences| Engineering & Technology	249| 219| 424	Engineering - Petroleum| Engineering - Chemical| Environmental Sciences	36| 37
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	Chemistry (miscellaneous)| General Materials Science	4| 2	Natural Sciences| Engineering & Technology	433| 409	Materials Science| Chemistry	36| 37
Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation	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
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	Filtration and Separation| Analytical Chemistry	4| 2	Natural Sciences| Engineering & Technology	219| 249| 409	Engineering - Chemical| Engineering - Petroleum| Chemistry	37| 36
Use of biopolymers in wastewater treatment: A brief review of current trends and prospects	Biochemistry| General Chemical Engineering| General Chemistry| Environmental Engineering	5| 4| 2	Life Sciences & Medicine| Natural Sciences| Engineering & Technology	219| 507| 409| 424	Engineering - Chemical| Biological Sciences| Chemistry| Environmental Sciences	32| 36| 37
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	Biochemistry| General Environmental Science| Public Health, Environmental and Occupational Health	5| 2	Life Sciences & Medicine| Engineering & Technology	424| 532| 507	Environmental Sciences| Medicine| Biological Sciences	34| 32| 37
Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture	Engineering (miscellaneous)| Biomedical Engineering| Industrial and Manufacturing Engineering| General Materials Science	2	Engineering & Technology	507| 433| 222	Biological Sciences| Materials Science| Engineering - Mechanical	36
A green synthesis of cellulose nanocrystals biosorbent for remediation of wastewater containing industrial dye	Colloid and Surface Chemistry| Physical and Theoretical Chemistry| Surfaces and Interfaces	2| 4	Engineering & Technology| Natural Sciences	219| 439| 409| 249	Engineering - Chemical| Physics & Astronomy| Chemistry| Engineering - Petroleum	36| 37
Elucidation of dross formation in laser powder bed fusion at down-facing surfaces: Phenomenon-oriented multiphysics simulation and experimental validation	Engineering (miscellaneous)| Biomedical Engineering| Industrial and Manufacturing Engineering| General Materials Science	2	Engineering & Technology	507| 433| 222	Biological Sciences| Materials Science| Engineering - Mechanical	36
Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts	General Chemistry| General Materials Science	4| 2	Natural Sciences| Engineering & Technology	433| 409	Materials Science| Chemistry	36| 37
Design and performance a novel hybrid membrane distillation/humidification–dehumidification system	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
Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition	General Computer Science| General Engineering| General Materials Science	2	Engineering & Technology	433| 212	Materials Science| Computer Science & Information Systems	36| 38
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	Biochemistry| General Environmental Science	5| 2	Life Sciences & Medicine| Engineering & Technology	424| 507	Environmental Sciences| Biological Sciences	37| 32
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	Soil Science| Analytical Chemistry| Environmental Chemistry| Health, Toxicology and Mutagenesis| Pollution| Waste Management and Disposal| Water Science and Technology| Public Health, Environmental and Occupational Health	3| 5| 4| 2	Social Sciences & Management| Life Sciences & Medicine| Natural Sciences| Engineering & Technology	502| 424| 532| 249| 409	Agriculture & Forestry| Environmental Sciences| Medicine| Engineering - Petroleum| Chemistry	32| 37| 34
Effective methods for removing different types of dyes – modelling analysisstatistical physics treatment and DFT calculations: a review	Ocean Engineering| Pollution| Water Science and Technology	2| 3| 4	Engineering & Technology| Social Sciences & Management| Natural Sciences	451| 247| 424| 249| 416	Geophysics| Engineering - Mineral & Mining| Environmental Sciences| Engineering - Petroleum| Earth & Marine Sciences	37| 36
Hydrogen production from wastewater, storage, economy, governance and applications: a review	Environmental Chemistry	2| 4	Engineering & Technology| Natural Sciences	249| 424	Engineering - Petroleum| Environmental Sciences	37
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	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

Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	Analytical Chemistry| Fuel Technology	2| 4	Engineering & Technology| Natural Sciences	409| 249| 221	Chemistry| Engineering - Petroleum| Engineering - Electrical & Electronic	36| 37
Extraction of Nanocellulose for Eco-Friendly Biocomposite Adsorbent for Wastewater Treatment	General Chemistry| Polymers and Plastics	4	Natural Sciences	409| 433	Chemistry| Materials Science	37| 36
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	General Agricultural and Biological Sciences| Environmental Chemistry| Environmental Engineering	2| 5| 4	Engineering & Technology| Life Sciences & Medicine| Natural Sciences	249| 424| 502	Engineering - Petroleum| Environmental Sciences| Agriculture & Forestry	32| 37
Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium	General Chemical Engineering	2	Engineering & Technology	219	Engineering - Chemical	36
Toward a national life cycle assessment tool: Generative design for early decision support	Civil and Structural Engineering| Electrical and Electronic Engineering| Mechanical Engineering| Building and Construction	2	Engineering & Technology	106| 221| 222| 249| 220	Architecture| Engineering - Electrical & Electronic| Engineering - Mechanical| Engineering - Petroleum| Engineering - Civil & Structural	36
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V	Fluid Flow and Transfer Processes| Process Chemistry and Technology| Computer Science Applications| General Engineering| General Materials Science| Instrumentation	2| 4	Engineering & Technology| Natural Sciences	439| 433| 212| 213| 249| 219	Physics & Astronomy| Materials Science| Computer Science & Information Systems| Data Science| Engineering - Petroleum| Engineering - Chemical	38| 36| 37
Multi-Objective Optimization of Performance Indicators in Turning of AISI 1045 under Dry Cutting Conditions	General Materials Science| Metals and Alloys	4| 2	Natural Sciences| Engineering & Technology	433	Materials Science	36
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	Accounting| Management Information Systems| Economics, Econometrics and Finance (miscellaneous)	3	Social Sciences & Management	317| 308| 301	Economics & Econometrics| Business & Management Studies| Accounting & Finance	35
A review on the synergistic efficacy of sonication-assisted water treatment process with special attention given to microplastics	General Chemical Engineering| General Chemistry	2| 4	Engineering & Technology| Natural Sciences	219| 409	Engineering - Chemical| Chemistry	36| 37
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism	Toxicology	5	Life Sciences & Medicine	537	Pharmacy & Pharmacology	32
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system	Control and Systems Engineering| Industrial and Manufacturing Engineering	2	Engineering & Technology	222| 212	Engineering - Mechanical| Computer Science & Information Systems	36
Evolution of BIM to DTs: A Paradigm Shift for the Post-Pandemic AECO Industry	Environmental Science (miscellaneous)| Pollution| Waste Management and Disposal| Geography, Planning and Development| Urban Studies	3| 2	Social Sciences & Management| Engineering & Technology	424| 106| 425	Environmental Sciences| Architecture| Geography	40| 37
A comprehensive review on sustainable clay-based geopolymers for wastewater treatment: circular economy and future outlook	General Environmental Science| Management, Monitoring, Policy and Law| Pollution	3| 2	Social Sciences & Management| Engineering & Technology	424	Environmental Sciences	37
Effect of Process Parameters on the Performance of Drop-On-Demand 3D Inkjet Printing: Geometrical-Based Modeling and Experimental Validation	General Chemistry| Polymers and Plastics	4	Natural Sciences	409| 433	Chemistry| Materials Science	37| 36
Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait	Fluid Flow and Transfer Processes| Engineering (miscellaneous)	2	Engineering & Technology	219| 249	Engineering - Chemical| Engineering - Petroleum	36
Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304	General Materials Science| Condensed Matter Physics	2| 4	Engineering & Technology| Natural Sciences	433| 439	Materials Science| Physics & Astronomy	37| 36
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	Chemistry (miscellaneous)| Environmental Chemistry| Materials Chemistry	2| 4	Engineering & Technology| Natural Sciences	433| 249| 424| 409	Materials Science| Engineering - Petroleum| Environmental Sciences| Chemistry	37| 36
Energy Management of Microgrids Using Load Shifting and Multi-agent System	Computer Science Applications| Energy Engineering and Power Technology| Control and Systems Engineering| Electrical and Electronic Engineering	2	Engineering & Technology	212| 249| 213| 221	Computer Science & Information Systems| Engineering - Petroleum| Data Science| Engineering - Electrical & Electronic	36| 38

Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	Aquatic Science| Biochemistry| Water Science and Technology| Geography, Planning and Development	2| 5| 3	Engineering & Technology| Life Sciences & Medicine| Social Sciences & Management	425| 424| 502| 507	Geography| Environmental Sciences| Agriculture & Forestry| Biological Sciences	32| 40| 37
Fundamental investigation into tool wear and surface quality in high-speed machining of Ti6Al4V alloy	General Materials Science| Condensed Matter Physics	2| 4	Engineering & Technology| Natural Sciences	433| 439	Materials Science| Physics & Astronomy	37| 36
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	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	212| 425| 249| 221| 424	Computer Science & Information Systems| Geography| Engineering - Petroleum| Engineering - Electrical & Electronic| Environmental Sciences	37| 40| 38| 36
Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces	Catalysis| Filtration and Separation| Fluid Flow and Transfer Processes| Process Chemistry and Technology| Energy (miscellaneous)| Education	2| 3	Engineering & Technology| Social Sciences & Management	219| 318| 249| 221	Engineering - Chemical| Education & Training| Engineering - Petroleum| Engineering - Electrical & Electronic	36| 41
Experimental Investigation and Optimization of Turning Polymers Using RSM, GA, Hybrid FFD-GA, and MOGA Methods	General Chemistry| Polymers and Plastics	4	Natural Sciences	409| 433	Chemistry| Materials Science	36| 37
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical greening systems (VGS)	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
Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent	Water Science and Technology	2	Engineering & Technology	424	Environmental Sciences	37
Diverse applications of versatile quaternized chitosan salts: A review	Food Science| Biochemistry| Molecular Biology| Structural Biology| Biomaterials	4| 5	Natural Sciences| Life Sciences & Medicine	433| 502| 507	Materials Science| Agriculture & Forestry| Biological Sciences	32| 36
Investigating the role of the urban environment in controlling pandemics transmission: Lessons from history	General Engineering	2	Engineering & Technology	-	-	36
Simulated soil water distribution patterns and water use of Alfalfa under different subsurface drip irrigation depths	Agronomy and Crop Science| Soil Science| Earth-Surface Processes| Water Science and Technology	2| 4| 5	Engineering & Technology| Natural Sciences| Life Sciences & Medicine	424| 451| 416| 450| 502	Environmental Sciences| Geophysics| Earth & Marine Sciences| Geology| Agriculture & Forestry	32| 37
Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8)	Environmental Chemistry	4| 2	Natural Sciences| Engineering & Technology	249| 424	Engineering - Petroleum| Environmental Sciences	37
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts	General Computer Science| General Engineering| General Materials Science	2	Engineering & Technology	212| 433	Computer Science & Information Systems| Materials Science	36| 38
Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes	General Biochemistry,Genetics and Molecular Biology| General Pharmacology, Toxicology and Pharmaceutics	5	Life Sciences & Medicine	507| 537	Biological Sciences| Pharmacy & Pharmacology	34| 32
Multiobjective Optimization of Laser Polishing of Additively Manufactured Ti-6Al-4V Parts for Minimum Surface Roughness and Heat-Affected Zone	General Materials Science| Condensed Matter Physics	2| 4	Engineering & Technology| Natural Sciences	439| 433	Physics & Astronomy| Materials Science	36| 37
An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651	Mechanical Engineering	2	Engineering & Technology	222	Engineering - Mechanical	36
Handover Performance Improvement in Heterogeneous Wireless Network	Computer Networks and Communications| Computer Science Applications| Hardware and Architecture| Information Systems and Management| Electrical and Electronic Engineering| Health Informatics	2| 5	Engineering & Technology| Life Sciences & Medicine	532| 221| 212| 249| 213	Medicine| Engineering - Electrical & Electronic| Computer Science & Information Systems| Engineering - Petroleum| Data Science	36| 38| 34| 37
In-process digital monitoring of additive manufacturing: Proposed machine learning	General Computer Science| General Decision Sciences	2	Engineering & Technology	212| 213	Computer Science & Information Systems| Data Science	37| 38

approach and potential implications on sustainability						
Adsorption of Gentian violet dye onto mesoporous aluminosilica monoliths: nanoarchitectonics and application to industrial wastewater	Soil Science| Analytical Chemistry| Environmental Chemistry| Health, Toxicology and Mutagenesis| Pollution| Waste Management and Disposal| Water Science and Technology| Public Health, Environmental and Occupational Health	5| 3| 4| 2	Life Sciences & Medicine| Social Sciences & Management| Natural Sciences| Engineering & Technology	424| 249| 409| 502| 532	Environmental Sciences| Engineering - Petroleum| Chemistry| Agriculture & Forestry| Medicine	37| 34| 32
Enhancing Object Detection in Remote Sensing: A Hybrid YOLOv7 and Transformer Approach with Automatic Model Selection	General Earth and Planetary Sciences	2| 4	Engineering & Technology| Natural Sciences	450| 416| 451| 249	Geology| Earth & Marine Sciences| Geophysics| Engineering - Petroleum	37
The Neutrosophic Treatment for Multiple Storage Problem of Finite Materials and Volumes	Mathematics (miscellaneous)| Applied Mathematics| Logic	4	Natural Sciences	431	Mathematics	37
Predicting Forced Blower Failures Using Machine Learning Algorithms and Vibration Data for Effective Maintenance Strategies	Mechanical Engineering| Mechanics of Materials| Safety, Risk, Reliability and Quality| General Materials Science	2	Engineering & Technology	433| 249| 222	Materials Science| Engineering - Petroleum| Engineering - Mechanical	36
Improving and Predicting the Surface Roughness and the Machining Accuracy in Ultrasonic Vibration-Assisted Milling	Mechanical Engineering| Acoustics and Ultrasonics	4| 2	Natural Sciences| Engineering & Technology	439| 222	Physics & Astronomy| Engineering - Mechanical	36| 37
Influences of greenly synthesized iron oxide nanoparticles on the bioremediation of dairy effluent using selected microbial isolates	General Agricultural and Biological Sciences| Environmental Chemistry| Environmental Engineering	2| 5| 4	Engineering & Technology| Life Sciences & Medicine| Natural Sciences	249| 424| 502	Engineering - Petroleum| Environmental Sciences| Agriculture & Forestry	37| 32
Synthesis and application of a novel self-smart sensor based on a modified amino-functionalized Zr-metal–organic framework for rapid and selective detection of some toxic metals in wastewater	General Chemistry| Inorganic Chemistry	4	Natural Sciences	409	Chemistry	37
Modified coal fly ash for textile dye removal from industrial wastewater	Energy (miscellaneous)| Energy Engineering and Power Technology| Renewable Energy, Sustainability and the Environment| Environmental Engineering	2	Engineering & Technology	221| 424| 249	Engineering - Electrical & Electronic| Environmental Sciences| Engineering - Petroleum	36| 37
Analytical Performance and Greenness Evaluation of Five Multi-Level Design Models Utilized for Impurity Profiling of Favipiravir, a Promising COVID-19 Antiviral Drug	Molecular Medicine| Chemistry (miscellaneous)| Analytical Chemistry| Organic Chemistry| Physical and Theoretical Chemistry| Drug Discovery| Pharmaceutical Science	4| 2| 5	Natural Sciences| Engineering & Technology| Life Sciences & Medicine	409| 532| 537| 249	Chemistry| Medicine| Pharmacy & Pharmacology| Engineering - Petroleum	37| 34| 32
Ten questions concerning the integration of digital fabrication techniques into the architectural design process	General Business,Management and Accounting| Building and Construction| Architecture	3| 2| 1	Social Sciences & Management| Engineering & Technology| Arts & Humanities	220| 308| 106	Engineering - Civil & Structural| Business & Management Studies| Architecture	36| 35| 33
Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades	Chemical Engineering (miscellaneous)| Bioengineering| Process Chemistry and Technology	2	Engineering & Technology	219| 249	Engineering - Chemical| Engineering - Petroleum	36
An Experimental Study of Indoor Air Quality Enhancement Using Breathing Walls	Civil and Structural Engineering| Architecture	2| 1	Engineering & Technology| Arts & Humanities	106| 220	Architecture| Engineering - Civil & Structural	33| 36
Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms	General Chemistry	4	Natural Sciences	409	Chemistry	37
A conceptual efficient design of energy recovery systems using a new energy-area key parameter	General Energy	2	Engineering & Technology	249| 221	Engineering - Petroleum| Engineering - Electrical & Electronic	36
Impact of organic peroxide on a moderate molecular weight homo-polypropylene vis breaking, and mechanism of interaction	Inorganic Chemistry| Organic Chemistry| Materials Chemistry	4| 2	Natural Sciences| Engineering & Technology	433| 409| 249	Materials Science| Chemistry| Engineering - Petroleum	37| 36
Assessing Xeriscaping as a Retrofit Sustainable Water Consumption Approach for a Desert University Campus	Aquatic Science| Biochemistry| Water Science and Technology| Geography, Planning and Development	5| 3| 2	Life Sciences & Medicine| Social Sciences &	502| 424| 507| 425	Agriculture & Forestry| Environmental Sciences| Biological Sciences| Geography	32| 40| 37

			Management| Engineering & Technology			
Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0	Multidisciplinary	-	-	-	-	-
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	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
Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines	General Computer Science| General Engineering| Electrical and Electronic Engineering| General Materials Science	2	Engineering & Technology	221| 249| 212| 433	Engineering - Electrical & Electronic| Engineering - Petroleum| Computer Science & Information Systems| Materials Science	38| 36
Study Attenuation Parameters and Physical Properties of Silicone Rubber Reinforced with Nano- and Micro-Sized Aluminum Oxide Composites	Electronic, Optical and Magnetic Materials	4	Natural Sciences	433	Materials Science	36
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	General Chemical Engineering| General Chemistry	2| 4	Engineering & Technology| Natural Sciences	219| 409	Engineering - Chemical| Chemistry	37| 36
A Low-Cost Multi-sensor Deep Learning System for Pavement Distress Detection and Severity Classification	Computer Networks and Communications| Computer Science Applications| Information Systems| Electrical and Electronic Engineering| Media Technology	2	Engineering & Technology	213| 249| 212| 221	Data Science| Engineering - Petroleum| Computer Science & Information Systems| Engineering - Electrical & Electronic	36| 38
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V	Computer Science Applications| Electrical and Electronic Engineering| Electronic, Optical and Magnetic Materials| Applied Mathematics| Condensed Matter Physics	2| 4	Engineering & Technology| Natural Sciences	213| 431| 221| 439| 249| 433| 212	Data Science| Mathematics| Engineering - Electrical & Electronic| Physics & Astronomy| Engineering - Petroleum| Materials Science| Computer Science & Information Systems	38| 37| 36
Solidification of Alum Industry Waste for Producing Geopolymer Mortar	General Chemistry| General Materials Science| Materials Science (miscellaneous)	2| 4	Engineering & Technology| Natural Sciences	409| 433	Chemistry| Materials Science	36| 37
Gas-tight means zero defects - design considerations for thin-walled fluidic devices with overhangs by laser powder bed fusion	Mechanical Engineering| Mechanics of Materials| General Materials Science	2	Engineering & Technology	433| 222	Materials Science| Engineering - Mechanical	36
Exploring the sources, occurrence, transformation, toxicity, monitoring, and remediation strategies of per- and polyfluoroalkyl substances: a review	General Environmental Science| Management, Monitoring, Policy and Law| Pollution	3| 2	Social Sciences & Management| Engineering & Technology	424	Environmental Sciences	37
A State-of-the-Art Review and Bibliometric Analysis on the Smart Preservation of Heritages	Civil and Structural Engineering| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	220| 106	Engineering - Civil & Structural| Architecture	36| 33
Two Eco-Friendly Chromatographic Methods Evaluated by GAPI for Simultaneous Determination of the Fluoroquinolones Moxifloxacin, Levofloxacin, and Gemifloxacin in Their Pharmaceutical Products	Filtration and Separation| Analytical Chemistry	2| 4	Engineering & Technology| Natural Sciences	249| 409| 219	Engineering - Petroleum| Chemistry| Engineering - Chemical	36| 37
Exploring critical barriers towards the uptake of renewable energy usage in Egypt	Geotechnical Engineering and Engineering Geology| Engineering (miscellaneous)| Civil and Structural Engineering| Building and Construction| Environmental Engineering	2| 4	Engineering & Technology| Natural Sciences	249| 106| 416| 424| 450| 220| 451| 247	Engineering - Petroleum| Architecture| Earth & Marine Sciences| Environmental Sciences| Geology| Engineering - Civil & Structural| Geophysics| Engineering - Mineral & Mining	37| 36
Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication	General Computer Science| General Decision Sciences	2	Engineering & Technology	212| 213	Computer Science & Information Systems| Data Science	37| 38
Graphical analysis and revamping of crude distillation units under variable operational scenarios	General Chemical Engineering| Engineering (miscellaneous)| Environmental Science (miscellaneous)| Environmental Chemistry| Environmental Engineering	4| 2	Natural Sciences| Engineering & Technology	424| 249| 219	Environmental Sciences| Engineering - Petroleum| Engineering - Chemical	36| 37
Vehicle-Mounted Fog-Node with LoRaWAN for Rural Data Collection	Electrical and Electronic Engineering	2	Engineering & Technology	221| 249	Engineering - Electrical & Electronic| Engineering - Petroleum	36

Performance assessment and process optimization of a sulfur recovery unit: a real starting up plant	General Environmental Science| Management, Monitoring, Policy and Law| Pollution	3| 2	Social Sciences & Management| Engineering & Technology	424	Environmental Sciences	37
Market Orientation and New Product Development Performance in Egyptian Food Industry: The Mediating Role of Marketing Technical Integration	Food Science| Business and International Management| Marketing	5| 3	Life Sciences & Medicine| Social Sciences & Management	502| 308| 335	Agriculture & Forestry| Business & Management Studies| Marketing	35| 32
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	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
Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining Responses, Empirical Modeling and Multi-Objective Optimization	Industrial and Manufacturing Engineering| Mechanical Engineering| Mechanics of Materials	2	Engineering & Technology	433| 222	Materials Science| Engineering - Mechanical	36
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	General Business,Management and Accounting| Civil and Structural Engineering| Building and Construction| Architecture	3| 2| 1	Social Sciences & Management| Engineering & Technology| Arts & Humanities	308| 220| 106	Business & Management Studies| Engineering - Civil & Structural| Architecture	36| 33| 35
Examining Nursing Students' Prevalence of Nomophobia, and Psychological Alienation and Their Correlates With Fear of Missing Out: A Multisites Survey	General Nursing	5	Life Sciences & Medicine	534	Nursing	34
Aspect-oriented analytics of big data	General Computer Science	2	Engineering & Technology	212	Computer Science & Information Systems	38
On the correlation between pre-processing workflow and dimensional accuracy of 3D printed parts in high-precision Material Jetting	Engineering (miscellaneous)| Biomedical Engineering| Industrial and Manufacturing Engineering| General Materials Science	2	Engineering & Technology	507| 433| 222	Biological Sciences| Materials Science| Engineering - Mechanical	36
The Internet of Robotic Things: A Review of Concept, Challenges and Applications	Computer Networks and Communications| Computer Science Applications| Information Systems| Electrical and Electronic Engineering| Media Technology	2	Engineering & Technology	249| 213| 212| 221	Engineering - Petroleum| Data Science| Computer Science & Information Systems| Engineering - Electrical & Electronic	36| 38
Experimental Analyses and Predictive Modelling of Ultrasonic Welding Parameters for Enhancing Smart Textile Fabrication	Biochemistry| Analytical Chemistry| Information Systems| Electrical and Electronic Engineering| Instrumentation| Atomic and Molecular Physics, and Optics	2| 5| 4	Engineering & Technology| Life Sciences & Medicine| Natural Sciences	212| 249| 507| 221| 409| 439	Computer Science & Information Systems| Engineering - Petroleum| Biological Sciences| Engineering - Electrical & Electronic| Chemistry| Physics & Astronomy	37| 36| 32| 38
AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY	Energy Engineering and Power Technology| Renewable Energy, Sustainability and the Environment	2	Engineering & Technology	249| 221	Engineering - Petroleum| Engineering - Electrical & Electronic	36
Photocatalytic Degradation of Chlorinated Hydrocarbons: The By-Product of the Petrochemical Industry Using Ag-Cu/Graphite Bimetallic Carbon Nitride	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	221| 424| 249| 425| 212	Engineering - Electrical & Electronic| Environmental Sciences| Engineering - Petroleum| Geography| Computer Science & Information Systems	38| 36| 40| 37
Experimental and numerical investigation of a three-blade horizontal axis hydrokinetic water turbine (HAHWT) in high blockage conditions	Renewable Energy, Sustainability and the Environment	2	Engineering & Technology	221	Engineering - Electrical & Electronic	36
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	Energy (miscellaneous)| Renewable Energy, Sustainability and the Environment| Environmental Science (miscellaneous)| Geography, Planning and Development	2| 3	Engineering & Technology| Social Sciences & Management	424| 425| 249| 221	Environmental Sciences| Geography| Engineering - Petroleum| Engineering - Electrical & Electronic	40| 37| 36
Correlation between Polyaromatic Hydrocarbons (PAHs) Discharges at El-Manzala Wetland with the Relative Gene Expression of CYP19 Gene of the Nile Tilapia (Oreochromis. niloticus)	Aquatic Science	5	Life Sciences & Medicine	502	Agriculture & Forestry	32
An adaptive optimized handover decision model for heterogeneous networks	Multidisciplinary	-	-	-	-	-
A machine learning-based framework for efficient LTE downlink throughput	Artificial Intelligence	2	Engineering & Technology	212| 213	Computer Science & Information Systems| Data Science	38

Efficient Noise Reduction System in Industrial IoT Data Streams	Computer Networks and Communications| Computer Science Applications| Information Systems| Electrical and Electronic Engineering| Media Technology	2	Engineering & Technology	221| 213| 249| 212	Engineering - Electrical & Electronic| Data Science| Engineering - Petroleum| Computer Science & Information Systems	36| 38
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	Waste Management and Disposal	3	Social Sciences & Management	424	Environmental Sciences	37
Computational fluid dynamics-based design of anoxic bioreactor zone in wastewater treatment plant	Ocean Engineering| Pollution| Water Science and Technology	4| 3| 2	Natural Sciences| Social Sciences & Management| Engineering & Technology	416| 247| 249| 424| 451	Earth & Marine Sciences| Engineering - Mineral & Mining| Engineering - Petroleum| Environmental Sciences| Geophysics	37| 36
Development and Numerical Optimization of a System of Integrated Agents for Serial Production Lines	Chemical Engineering (miscellaneous)| Bioengineering| Process Chemistry and Technology	2	Engineering & Technology	249| 219	Engineering - Petroleum| Engineering - Chemical	36
Effect of copper cooperation to customize sustainable aluminum alloy through recycling approach	Mechanical Engineering| Mechanics of Materials	2	Engineering & Technology	222| 433	Engineering - Mechanical| Materials Science	36
Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated	General Chemical Engineering	2	Engineering & Technology	219	Engineering - Chemical	36
Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion	Fluid Flow and Transfer Processes| Process Chemistry and Technology| Computer Science Applications| General Engineering| General Materials Science| Instrumentation	4| 2	Natural Sciences| Engineering & Technology	439| 219| 433| 249| 213| 212	Physics & Astronomy| Engineering - Chemical| Materials Science| Engineering - Petroleum| Data Science| Computer Science & Information Systems	37| 36| 38
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	Computer Science (miscellaneous)| Decision Sciences (miscellaneous)| Economics, Econometrics and Finance (miscellaneous)| Automotive Engineering| Control and Systems Engineering| Control and Optimization| Social Sciences (miscellaneous)	3| 2| 4	Social Sciences & Management| Engineering & Technology| Natural Sciences	222| 431| 213| 212| 317	Engineering - Mechanical| Mathematics| Data Science| Computer Science & Information Systems| Economics & Econometrics	38| 37| 36| 35| 40
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	Environmental Engineering| Management, Monitoring, Policy and Law| Pollution	3| 2	Social Sciences & Management| Engineering & Technology	424	Environmental Sciences	37
Power grids with renewable energy: Storage, integration and digitalization	General Engineering	2	Engineering & Technology	-	-	36
Proposed HCDNA for Enhancing the Security of Marine Environment IoT Systems	Artificial Intelligence| Computer Networks and Communications| Computer Science Applications| Signal Processing| Information Systems and Management| Electrical and Electronic Engineering| Computational Mathematics| Instrumentation	4| 2	Natural Sciences| Engineering & Technology	431| 221| 249| 212| 439| 213	Mathematics| Engineering - Electrical & Electronic| Engineering - Petroleum| Computer Science & Information Systems| Physics & Astronomy| Data Science	36| 37| 38
Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D Micro-Devices	General Computer Science| Control and Systems Engineering	2	Engineering & Technology	212	Computer Science & Information Systems	36| 38
Mechanical tolerance analysis using approximations and the Monte Carlo method	General Engineering	2	Engineering & Technology	-	-	36
Sustainable transportation: An overview and fusion for the last decade	General Engineering	2	Engineering & Technology	-	-	36
Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical-Axis Wind Turbine	General Engineering	2	Engineering & Technology	-	-	36
Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery	General Chemical Engineering	2	Engineering & Technology	219	Engineering - Chemical	36
MATLAB MODEL FOR THE DESIGN OF HEAT EXCHANGER NETWORKS IN CHEMICAL PROCESSES	General Engineering	2	Engineering & Technology	-	-	36
The Reciprocal Relationship Between Urban Form and Social Sustainability Aspects	Renewable Energy, Sustainability and the Environment| Architecture| Environmental Chemistry	1| 4| 2	Arts & Humanities| Natural Sciences| Engineering & Technology	221| 106| 249| 424	Engineering - Electrical & Electronic| Architecture| Engineering - Petroleum| Environmental Sciences	36| 33| 37

New Efficient Configurations for Sour Wastewater Treatment	General Chemical Engineering	2	Engineering & Technology	219	Engineering - Chemical	36
Efficient Optimization Model for Buffer Size Problem in Production Line with Rework Path	Strategy and Management| Management Science and Operations Research| Control and Systems Engineering| Industrial and Manufacturing Engineering	3| 2	Social Sciences & Management| Engineering & Technology	212| 308| 222| 344	Computer Science & Information Systems| Business & Management Studies| Engineering - Mechanical| Statistics & Operational Research	37| 36| 35
Preliminary Failure Analyses of Loaded Hot Water Bottles	Fluid Flow and Transfer Processes| Process Chemistry and Technology| Computer Science Applications| General Engineering| General Materials Science| Instrumentation	2| 4	Engineering & Technology| Natural Sciences	213| 219| 433| 439| 249| 212	Data Science| Engineering - Chemical| Materials Science| Physics & Astronomy| Engineering - Petroleum| Computer Science & Information Systems	36| 38| 37
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle	General Chemical Engineering	2	Engineering & Technology	219	Engineering - Chemical	36
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	Fluid Flow and Transfer Processes	2	Engineering & Technology	249| 219	Engineering - Petroleum| Engineering - Chemical	36
Development of an Optimization Model for Multiple Production Systems with Split and Merge	Strategy and Management| Management Science and Operations Research| Control and Systems Engineering| Industrial and Manufacturing Engineering	3| 2	Social Sciences & Management| Engineering & Technology	344| 308| 222| 212	Statistics & Operational Research| Business & Management Studies| Engineering - Mechanical| Computer Science & Information Systems	36| 37| 35
Utilization of Neural Network-Based Approach in Bike Routes Optimization for Port Said Urban Road Network	Renewable Energy, Sustainability and the Environment| Architecture| Environmental Chemistry	4| 2| 1	Natural Sciences| Engineering & Technology| Arts & Humanities	249| 424| 221| 106	Engineering - Petroleum| Environmental Sciences| Engineering - Electrical & Electronic| Architecture	36| 37| 33
Symmetry and Analysis of Fluid Queueing Systems Driven by Non-Truncated Erlangian Service Queues	Chemistry (miscellaneous)| Computer Science (miscellaneous)| General Mathematics| Physics and Astronomy (miscellaneous)	4| 2	Natural Sciences| Engineering & Technology	431| 409| 439| 212	Mathematics| Chemistry| Physics & Astronomy| Computer Science & Information Systems	37| 38
Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	General Chemistry| General Materials Science| Materials Science (miscellaneous)	4| 2	Natural Sciences| Engineering & Technology	433| 409	Materials Science| Chemistry	36| 37

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
A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process	Physical Sciences| Engineering	40	Engineering	4011	Environmental engineering	SDG 3| SDG 6| SDG 9
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
Insight on water remediation application using magnetic nanomaterials and biosorbents	Physical Sciences| Engineering	34| 40	Chemical Sciences| Engineering	3402| 4003	Inorganic chemistry| Biomedical engineering	SDG 6| SDG 9| SDG 12
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	Engineering| Physical Sciences	-	-	-	-	SDG 6| SDG 7| SDG 9| SDG 12
Material jetting for advanced applications: A state-of-the-art review, gaps and future directions	Engineering	40	Engineering	4014| 4016	Manufacturing engineering| Materials engineering	SDG 9

Adsorption of polluted dyes from water by transition metal oxides: A review	Physical Sciences| Engineering	40| 34	Engineering| Chemical Sciences	3403| 4016| 3406	Macromolecular and materials chemistry| Materials engineering| Physical chemistry	SDG 3| SDG 6| SDG 9
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
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels	Engineering| Computer Science| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	Computer Science| Physical Sciences| Engineering	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9| SDG 12
Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview	Engineering| Physical Sciences	40| 34	Engineering| Chemical Sciences	3499| 4004| 4005	Other chemical sciences| Chemical engineering| Civil engineering	SDG 3| SDG 6| SDG 7| SDG 8| SDG 9
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	Engineering| Physical Sciences	40| 34	Engineering| Chemical Sciences	4016| 3406	Materials engineering| Physical chemistry	SDG 6| SDG 9| SDG 12
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
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	Physical Sciences| Engineering	40	Engineering	4004| 4011	Chemical engineering| Environmental engineering	SDG 6| SDG 9| SDG 12
Use of biopolymers in wastewater treatment: A brief review of current trends and prospects	Life Sciences| Engineering| Physical Sciences	40	Engineering	4004	Chemical engineering	SDG 6| SDG 9| SDG 12
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	Medical and Health| Life Sciences| Physical Sciences	34| 31| 41	Chemical Sciences| Biological Sciences| Environmental Sciences	-	-	SDG 7| SDG 9| SDG 12
Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture	Engineering	40	Engineering	4014| 4016	Manufacturing engineering| Materials engineering	SDG 9
A green synthesis of cellulose nanocrystals biosorbent for remediation of wastewater containing industrial dye	Engineering| Physical Sciences	34| 40| 51	Chemical Sciences| Engineering| Physical Sciences	-	-	SDG 6| SDG 9
Elucidation of dross formation in laser powder bed fusion at down-facing surfaces: Phenomenon-oriented multiphysics simulation and experimental validation	Engineering	40	Engineering	4016| 4014	Materials engineering| Manufacturing engineering	SDG 9
Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts	Engineering| Physical Sciences	40| 51	Engineering| Physical Sciences	5104| 5102| 4016	Condensed matter physics| Atomic, molecular and optical physics| Materials engineering	SDG 6| SDG 9
Design and performance a novel hybrid membrane distillation/humidification–dehumidification system	Engineering	40	Engineering	4004| 4008| 4017	Chemical engineering| Electrical engineering| Mechanical engineering	SDG 6| SDG 7| SDG 9
Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition	Engineering| Computer Science	46| 40	Information And Computing Sciences| Engineering	-	-	SDG 9
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	Physical Sciences| Life Sciences	41| 31| 34	Environmental Sciences| Biological Sciences| Chemical Sciences	-	-	SDG 6| SDG 7| SDG 9| SDG 12

Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	Life Sciences| Physical Sciences| Medical and Health	34| 41	Chemical Sciences| Environmental Sciences	3401| 4104	Analytical chemistry| Environmental management	SDG 9| SDG 12| SDG 14
Effective methods for removing different types of dyes – modelling analysisstatistical physics treatment and DFT calculations: a review	Physical Sciences| Engineering	40	Engineering	4005| 4004| 4011	Civil engineering| Chemical engineering| Environmental engineering	SDG 3| SDG 6| SDG 9
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
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	Engineering	40	Engineering	4004| 4008| 4017	Chemical engineering| Electrical engineering| Mechanical engineering	SDG 7| SDG 9
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	Engineering| Physical Sciences	40	Engineering	4004	Chemical engineering	SDG 7| SDG 9| SDG 12
Extraction of Nanocellulose for Eco-Friendly Biocomposite Adsorbent for Wastewater Treatment	Physical Sciences| Engineering	40| 34	Engineering| Chemical Sciences	-	-	SDG 6| SDG 9
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	Life Sciences| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6| SDG 9| SDG 12
Eco-friendly Chitosan Condensation Adduct Resins for Removal of Toxic Silver Ions from Aqueous Medium	Engineering	40| 34	Engineering| Chemical Sciences	-	-	SDG 9
Toward a national life cycle assessment tool: Generative design for early decision support	Engineering	33| 40	Built Environment And Design| Engineering	-	-	SDG 7| SDG 9| SDG 12
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V	Computer Science| Engineering| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9
Multi-Objective Optimization of Performance Indicators in Turning of AISI 1045 under Dry Cutting Conditions	Engineering	40	Engineering	4019| 4016	Resources engineering and extractive metallurgy| Materials engineering	SDG 9
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	Business and Economics	35	Commerce, Management, Tourism And Services	3501	Accounting, auditing and accountability	SDG 9| SDG 12
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
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism	Life Sciences	32| 30| 31	Biomedical And Clinical Sciences| Agricultural, Veterinary And Food Sciences| Biological Sciences	3109| 3006| 3214	Zoology| Food sciences| Pharmacology and pharmaceutical sciences	SDG 6| SDG 9
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system	Engineering	40	Engineering	4014	Manufacturing engineering	SDG 9
Evolution of BIM to DTs: A Paradigm Shift for the Post-Pandemic AECO Industry	Social Sciences| Physical Sciences	-	-	-	-	SDG 4| SDG 9
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
Effect of Process Parameters on the Performance of Drop-On-Demand 3D Inkjet Printing: Geometrical-Based Modeling and Experimental Validation	Physical Sciences| Engineering	40| 34	Engineering| Chemical Sciences	-	-	SDG 9
Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait	Engineering	40	Engineering	4012	Fluid mechanics and thermal engineering	SDG 7| SDG 9

Experimental Investigation of Surface Roughness and Material Removal Rate in Wire EDM of Stainless Steel 304	Physical Sciences| Engineering	40| 34	Engineering| Chemical Sciences	-	-	SDG 9
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	Physical Sciences| Engineering	-	-	-	-	SDG 9| SDG 12
Energy Management of Microgrids Using Load Shifting and Multi-agent System	Engineering| Computer Science	40	Engineering	4009| 4008	Electronics, sensors and digital hardware| Electrical engineering	SDG 9
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	Life Sciences| Social Sciences| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6| SDG 7| SDG 9| SDG 12
Fundamental investigation into tool wear and surface quality in high-speed machining of Ti6Al4V alloy	Physical Sciences| Engineering	34| 40	Chemical Sciences| Engineering	-	-	SDG 9
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	Physical Sciences| Social Sciences| Computer Science| Engineering	MD	Multidisciplinary	MD	Multidisciplinary	SDG 8| SDG 9| SDG 12
Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces	Engineering| Education Studies	40	Engineering	4004	Chemical engineering	SDG 9
Experimental Investigation and Optimization of Turning Polymers Using RSM, GA, Hybrid FFD-GA, and MOGA Methods	Engineering| Physical Sciences	34| 40	Chemical Sciences| Engineering	-	-	SDG 9
Enhancing urban resilience in hot humid climates: A conceptual framework for exploring the environmental performance of vertical greening systems (VGS)	Arts and Humanities| Engineering| Social Sciences	33	Built Environment And Design	3301| 3302	Architecture| Building	SDG 9| SDG 11| SDG 13
Optimization of anionic dye removal using cross-linked chitosan composite as eco-friendly bio-adsorbent	Physical Sciences	40| 41| 37	Engineering| Environmental Sciences| Earth Sciences	3707| 4004| 4105	Hydrology| Chemical engineering| Pollution and contamination	SDG 3| SDG 6| SDG 9
Diverse applications of versatile quaternized chitosan salts: A review	Life Sciences| Engineering	31	Biological Sciences	3101	Biochemistry and cell biology	SDG 3| SDG 9
Investigating the role of the urban environment in controlling pandemics transmission: Lessons from history	Engineering	40	Engineering	-	-	SDG 9| SDG 11
Simulated soil water distribution patterns and water use of Alfalfa under different subsurface drip irrigation depths	Life Sciences| Physical Sciences	40| 30	Engineering| Agricultural, Veterinary And Food Sciences	4005| 3002| 3004	Civil engineering| Agriculture, land and farm management| Crop and pasture production	SDG 6| SDG 9
Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8)	Physical Sciences	41| 31| 34	Environmental Sciences| Biological Sciences| Chemical Sciences	-	-	SDG 7| SDG 9| SDG 12
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts	Engineering| Computer Science	40| 46	Engineering| Information And Computing Sciences	-	-	SDG 9| SDG 12
Prospectives and challenges of nano-tailored biomaterials-assisted biological molecules delivery for tissue engineering purposes	Medical and Health| Life Sciences	32| 31	Biomedical And Clinical Sciences| Biological Sciences	3101| 3214	Biochemistry and cell biology| Pharmacology and pharmaceutical sciences	SDG 3| SDG 9
Multiobjective Optimization of Laser Polishing of Additively Manufactured Ti-6Al-4V Parts for Minimum Surface Roughness and Heat-Affected Zone	Engineering| Physical Sciences	34| 40	Chemical Sciences| Engineering	-	-	SDG 9
An investigation on mechanical and microstructural evolution of stationary shoulder friction stir welded aluminum alloy AA7075-T651	Engineering	40	Engineering	4007| 4017	Control engineering, mechatronics and robotics| Mechanical engineering	SDG 9

Handover Performance Improvement in Heterogeneous Wireless Network	Engineering| Computer Science| Medical and Health| Physical Sciences	51| 40| 46	Physical Sciences| Engineering| Information And Computing Sciences	4606| 4006| 5199	Distributed computing and systems software| Communications engineering| Other physical sciences	SDG 9
In-process digital monitoring of additive manufacturing: Proposed machine learning approach and potential implications on sustainability	Physical Sciences| Computer Science	46| 40| 51	Information And Computing Sciences| Engineering| Physical Sciences	4606| 4006| 5199	Distributed computing and systems software| Communications engineering| Other physical sciences	SDG 9
Adsorption of Gentian violet dye onto mesoporous aluminosilica monoliths: nanoarchitectonics and application to industrial wastewater	Physical Sciences| Medical and Health| Life Sciences	41| 34	Environmental Sciences| Chemical Sciences	4104| 3401	Environmental management| Analytical chemistry	SDG 6| SDG 9
Enhancing Object Detection in Remote Sensing: A Hybrid YOLOv7 and Transformer Approach with Automatic Model Selection	Physical Sciences	40| 37	Engineering| Earth Sciences	3701| 4013| 3709	Atmospheric sciences| Geomatic engineering| Physical geography and environmental geoscience	SDG 9| SDG 11
The Neutrosophic Treatment for Multiple Storage Problem of Finite Materials and Volumes	Physical Sciences	-	-	-	-	SDG 9
Predicting Forced Blower Failures Using Machine Learning Algorithms and Vibration Data for Effective Maintenance Strategies	Engineering	40	Engineering	4019	Resources engineering and extractive metallurgy	SDG 9
Improving and Predicting the Surface Roughness and the Machining Accuracy in Ultrasonic Vibration-Assisted Milling	Engineering| Physical Sciences	40	Engineering	4001| 4017	Aerospace engineering| Mechanical engineering	SDG 9
Influences of greenly synthesized iron oxide nanoparticles on the bioremediation of dairy effluent using selected microbial isolates	Physical Sciences| Life Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6| SDG 9| SDG 15
Synthesis and application of a novel self-smart sensor based on a modified amino-functionalized Zr-metal–organic framework for rapid and selective detection of some toxic metals in wastewater	Physical Sciences	34	Chemical Sciences	3405| 3402	Organic chemistry| Inorganic chemistry	SDG 6| SDG 9
Modified coal fly ash for textile dye removal from industrial wastewater	Engineering| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6| SDG 9
Analytical Performance and Greenness Evaluation of Five Multi-Level Design Models Utilized for Impurity Profiling of Favipiravir, a Promising COVID-19 Antiviral Drug	Physical Sciences| Medical and Health| Life Sciences	34	Chemical Sciences	3404| 3405	Medicinal and biomolecular chemistry| Organic chemistry	SDG 3| SDG 9
Ten questions concerning the integration of digital fabrication techniques into the architectural design process	Engineering| Business and Economics| Arts and Humanities	33	Built Environment And Design	3303| 3302| 3301	Design| Building| Architecture	SDG 9
Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades	Engineering	40	Engineering	4004	Chemical engineering	SDG 7| SDG 9
An Experimental Study of Indoor Air Quality Enhancement Using Breathing Walls	Arts and Humanities| Engineering	33| 40	Built Environment And Design| Engineering	4005| 3301	Civil engineering| Architecture	SDG 3| SDG 9
Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms	Physical Sciences	34	Chemical Sciences	-	-	SDG 9
A conceptual efficient design of energy recovery systems using a new energy-area key parameter	Engineering	40	Engineering	4012| 4008| 4004	Fluid mechanics and thermal engineering| Electrical engineering| Chemical engineering	SDG 9
Impact of organic peroxide on a moderate molecular weight homo-polypropylene vis breaking, and mechanism of interaction	Physical Sciences| Engineering	32| 34	Biomedical And Clinical Sciences| Chemical Sciences	3499| 3205| 3402	Other chemical sciences| Medical biochemistry and metabolomics| Inorganic chemistry	SDG 9
Assessing Xeriscaping as a Retrofit Sustainable Water Consumption Approach for a Desert University Campus	Life Sciences| Social Sciences| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 6| SDG 9| SDG 11

Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0	-	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9| SDG 11
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
Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines	Computer Science| Engineering	46| 40	Information And Computing Sciences| Engineering	-	-	SDG 9
Study Attenuation Parameters and Physical Properties of Silicone Rubber Reinforced with Nano- and Micro-Sized Aluminum Oxide Composites	Engineering	40| 34	Engineering| Chemical Sciences	4016| 3402| 3403	Materials engineering| Inorganic chemistry| Macromolecular and materials chemistry	SDG 9
Enhanced biohydrogen production from thermally hydrolysed pulp and paper sludge via Al2O3 and Fe3O4 nanoparticles	Physical Sciences| Engineering	40	Engineering	4004| 4019	Chemical engineering| Resources engineering and extractive metallurgy	SDG 7| SDG 9
A Low-Cost Multi-sensor Deep Learning System for Pavement Distress Detection and Severity Classification	Engineering| Computer Science	46| 51| 40	Information And Computing Sciences| Physical Sciences| Engineering	4606| 4006| 5199	Distributed computing and systems software| Communications engineering| Other physical sciences	SDG 9
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V	Computer Science| Physical Sciences| Engineering	40| 51	Engineering| Physical Sciences	4006| 5102| 4009	Communications engineering| Atomic, molecular and optical physics| Electronics, sensors and digital hardware	SDG 9
Solidification of Alum Industry Waste for Producing Geopolymer Mortar	Engineering| Physical Sciences	40| 34| 32	Engineering| Chemical Sciences| Biomedical And Clinical Sciences	3214| 4004| 3405	Pharmacology and pharmaceutical sciences| Chemical engineering| Organic chemistry	SDG 9
Gas-tight means zero defects - design considerations for thin-walled fluidic devices with overhangs by laser powder bed fusion	Engineering	40	Engineering	4017| 4016	Mechanical engineering| Materials engineering	SDG 9
Exploring the sources, occurrence, transformation, toxicity, monitoring, and remediation strategies of per- and polyfluoroalkyl substances: a review	Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 3| SDG 9
A State-of-the-Art Review and Bibliometric Analysis on the Smart Preservation of Heritages	Engineering| Arts and Humanities	33| 40	Built Environment And Design| Engineering	4005| 3302| 3301	Civil engineering| Building| Architecture	SDG 9| SDG 11| SDG 16
Two Eco-Friendly Chromatographic Methods Evaluated by GAPI for Simultaneous Determination of the Fluoroquinolones Moxifloxacin, Levofloxacin, and Gemifloxacin in Their Pharmaceutical Products	Engineering| Physical Sciences	34	Chemical Sciences	3401	Analytical chemistry	SDG 9
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
Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication	Physical Sciences| Computer Science	46| 51| 40	Information And Computing Sciences| Physical Sciences| Engineering	4606| 4006| 5199	Distributed computing and systems software| Communications engineering| Other physical sciences	SDG 9
Graphical analysis and revamping of crude distillation units under variable operational scenarios	Engineering| Physical Sciences	41| 40	Environmental Sciences| Engineering	4104| 4105| 4004	Environmental management| Pollution and contamination| Chemical engineering	SDG 7| SDG 9
Vehicle-Mounted Fog-Node with LoRaWAN for Rural Data Collection	Engineering	-	-	-	-	SDG 9| SDG 11
Performance assessment and process optimization of a sulfur recovery unit: a real starting up plant	Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 8| SDG 9
Market Orientation and New Product Development Performance in Egyptian Food Industry: The Mediating Role of Marketing Technical Integration	Business and Economics| Life Sciences	35	Commerce, Management, Tourism And Services	3506	Marketing	SDG 9

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
Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining Responses, Empirical Modeling and Multi-Objective Optimization	Engineering	40	Engineering	4016| 4017	Materials engineering| Mechanical engineering	SDG 9
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	Engineering| Arts and Humanities| Business and Economics	40| 33	Engineering| Built Environment And Design	3302| 4005| 3301	Building| Civil engineering| Architecture	SDG 8| SDG 9| SDG 12
Examining Nursing Students' Prevalence of Nomophobia, and Psychological Alienation and Their Correlates With Fear of Missing Out: A Multisites Survey	Medical and Health	42	Health Sciences	4205	Nursing	SDG 4| SDG 9
Aspect-oriented analytics of big data	Computer Science	46	Information And Computing Sciences	4609	Information systems	SDG 9
On the correlation between pre-processing workflow and dimensional accuracy of 3D printed parts in high-precision Material Jetting	Engineering	40	Engineering	4016| 4014	Materials engineering| Manufacturing engineering	SDG 9
The Internet of Robotic Things: A Review of Concept, Challenges and Applications	Engineering| Computer Science	40| 51| 46	Engineering| Physical Sciences| Information And Computing Sciences	4006| 5199| 4606	Communications engineering| Other physical sciences| Distributed computing and systems software	SDG 9
Experimental Analyses and Predictive Modelling of Ultrasonic Welding Parameters for Enhancing Smart Textile Fabrication	Physical Sciences| Engineering| Life Sciences| Computer Science	46| 40	Information And Computing Sciences| Engineering	4009| 4606| 4008	Electronics, sensors and digital hardware| Distributed computing and systems software| Electrical engineering	SDG 9
AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY	Engineering	-	-	-	-	SDG 6| SDG 7| SDG 9
Photocatalytic Degradation of Chlorinated Hydrocarbons: The By-Product of the Petrochemical Industry Using Ag-Cu/Graphite Bimetallic Carbon Nitride	Computer Science| Engineering| Social Sciences| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9
Experimental and numerical investigation of a three-blade horizontal axis hydrokinetic water turbine (HAHWT) in high blockage conditions	Engineering	40	Engineering	-	-	SDG 6| SDG 7| SDG 9
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	Social Sciences| Physical Sciences| Engineering	-	-	-	-	SDG 6| SDG 9| SDG 12
Correlation between Polyaromatic Hydrocarbons (PAHs) Discharges at El-Manzala Wetland with the Relative Gene Expression of CYP19 Gene of the Nile Tilapia (Oreochromis. niloticus)	Life Sciences	31| 30| 41	Biological Sciences| Agricultural, Veterinary And Food Sciences| Environmental Sciences	3109| 4104| 3005	Zoology| Environmental management| Fisheries sciences	SDG 3| SDG 6| SDG 9
An adaptive optimized handover decision model for heterogeneous networks	-	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9
A machine learning-based framework for efficient LTE downlink throughput	Computer Science	46| 40	Information And Computing Sciences| Engineering	4611| 4007| 4602	Machine learning| Control engineering, mechatronics and robotics| Artificial intelligence	SDG 9
Efficient Noise Reduction System in Industrial IoT Data Streams	Engineering| Computer Science	40| 51| 46	Engineering| Physical Sciences| Information And Computing Sciences	4606| 4006| 5199	Distributed computing and systems software| Communications engineering| Other physical sciences	SDG 9
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	Physical Sciences	41| 40	Environmental Sciences| Engineering	4004| 4005| 4104	Chemical engineering| Civil engineering| Environmental management	SDG 9| SDG 12
Computational fluid dynamics-based design of anoxic bioreactor zone in wastewater treatment plant	Physical Sciences| Engineering	40	Engineering	4011| 4004| 4005	Environmental engineering| Chemical engineering| Civil engineering	SDG 6| SDG 9

Development and Numerical Optimization of a System of Integrated Agents for Serial Production Lines	Engineering	40	Engineering	4004	Chemical engineering	SDG 9
Effect of copper cooperation to customize sustainable aluminum alloy through recycling approach	Engineering	40	Engineering	4017	Mechanical engineering	SDG 9
Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated	Engineering	40	Engineering	4004| 4011	Chemical engineering| Environmental engineering	SDG 7| SDG 9
Part Tailoring in Metal-Additive Manufacturing: A Step towards Functionally Graded Customized Stainless-Steel Components Using Laser Powder Bed Fusion	Physical Sciences| Engineering| Computer Science	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	Computer Science| Physical Sciences| Engineering| Business and Economics| Social Sciences	40| 49	Engineering| Mathematical Sciences	4901| 4007| 4006	Applied mathematics| Control engineering, mechatronics and robotics| Communications engineering	SDG 9| SDG 12
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	Physical Sciences	35| 41| 40	Commerce, Management, Tourism And Services| Environmental Sciences| Engineering	-	-	SDG 6| SDG 9| SDG 12
Power grids with renewable energy: Storage, integration and digitalization	Engineering	40	Engineering	4008	Electrical engineering	SDG 7| SDG 9
Proposed HCDNA for Enhancing the Security of Marine Environment IoT Systems	Engineering| Physical Sciences| Computer Science	-	-	-	-	SDG 9
Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D Micro-Devices	Engineering| Computer Science	46| 40| 51	Information And Computing Sciences| Engineering| Physical Sciences	4606| 4017| 5199	Distributed computing and systems software| Mechanical engineering| Other physical sciences	SDG 9
Mechanical tolerance analysis using approximations and the Monte Carlo method	Engineering	40	Engineering	4017| 4004| 4005	Mechanical engineering| Chemical engineering| Civil engineering	SDG 9
Sustainable transportation: An overview and fusion for the last decade	Engineering	51| 40	Physical Sciences| Engineering	4005| 4016| 5199	Civil engineering| Materials engineering| Other physical sciences	SDG 9
Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical-Axis Wind Turbine	Engineering	40	Engineering	4001| 4012| 4004	Aerospace engineering| Fluid mechanics and thermal engineering| Chemical engineering	SDG 7| SDG 9
Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery	Engineering	40	Engineering	4004| 4011	Chemical engineering| Environmental engineering	SDG 7| SDG 9
MATLAB MODEL FOR THE DESIGN OF HEAT EXCHANGER NETWORKS IN CHEMICAL PROCESSES	Engineering	40| 51	Engineering| Physical Sciences	4017| 4005| 5199	Mechanical engineering| Civil engineering| Other physical sciences	SDG 9
The Reciprocal Relationship Between Urban Form and Social Sustainability Aspects	Engineering| Arts and Humanities| Physical Sciences	41| 33| 37	Environmental Sciences| Built Environment And Design| Earth Sciences	3301| 4105| 3709	Architecture| Pollution and contamination| Physical geography and environmental geoscience	SDG 9| SDG 11
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
Efficient Optimization Model for Buffer Size Problem in Production Line with Rework Path	Physical Sciences| Engineering| Business and Economics	35| 51	Commerce, Management, Tourism And Services| Physical Sciences	3509| 5199| 3507	Transportation, logistics and supply chains| Other physical sciences| Strategy, management and organisational behaviour	SDG 9
Preliminary Failure Analyses of Loaded Hot Water Bottles	Engineering| Computer Science| Physical Sciences	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9
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
Development of an Optimization Model for Multiple Production Systems with Split and Merge	Engineering| Physical Sciences| Business and Economics	51| 35	Physical Sciences| Commerce, Management, Tourism And Services	3509| 3507| 5199	Transportation, logistics and supply chains| Strategy, management and organisational behaviour| Other physical sciences	SDG 9
Utilization of Neural Network-Based Approach in Bike Routes Optimization for Port Said Urban Road Network	Engineering| Physical Sciences| Arts and Humanities	41| 33| 37	Environmental Sciences| Built Environment And Design| Earth Sciences	3709| 4105| 3301	Physical geography and environmental geoscience| Pollution and contamination| Architecture	SDG 9| SDG 11
Symmetry and Analysis of Fluid Queueing Systems Driven by Non-Truncated Erlangian Service Queues	Physical Sciences| Computer Science	MD	Multidisciplinary	MD	Multidisciplinary	SDG 9
Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	Engineering| Physical Sciences	32| 40| 34	Biomedical And Clinical Sciences| Engineering| Chemical Sciences	4004| 3405| 3214	Chemical engineering| Organic chemistry| Pharmacology and pharmaceutical sciences	SDG 6| SDG 9| SDG 12

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