Publications at Port Said University

SDG 12

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
74 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	Field-Weighted View Impact
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	6.34
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	3.34
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	Osman, A.I.| Fawzy, S.| Farghali, M.| El-Azazy, M.| Elgarahy, A.M.| Fahim, R.A.| Maksoud, M.I.A.A.| Ajlan, A.A.| Yousry, M.| Saleem, Y.| Rooney, D.W.	11	55362658600| 57218328110| 57209493826| 57208340688| 57192696143| 57159463700| 57202917751| 57669430200| 57667438500| 57786310800| 7006139453	2022	2022-08-01	Environmental Chemistry Letters	English	3.62
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	3.48
Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives	El-Saadony, M.T.| Saad, A.M.| Soliman, S.M.| Salem, H.M.| Ahmed, A.I.| Mahmood, M.| El-Tahan, A.M.| Ebrahim, A.A.M.| Abd El-Mageed, T.A.| Negm, S.H.| Selim, S.| Babalghith, A.O.| Elrys, A.S.| El-Tarabily, K.A.| AbuQamar, S.F.	15	57208166656| 57212851735| 59496305500| 55561340300| 55448653200| 57211993558| 57191583288| 57730618700| 56202714200| 59061495800| 36919192000| 57127319800| 57200033480| 6701719967| 12806366100	2022	2022-10-06	Frontiers in Plant Science	English	3.47
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	Osman, A.I.| El-Monaem, E.M.A.| Elgarahy, A.M.| Aniagor, C.O.| Hosny, M.| Farghali, M.| Rashad, E.| Ejimofor, M.I.| López-Maldonado, E.A.| Ihara, I.| Yap, P.-S.| Rooney, D.W.| Eltaweil, A.S.	13	55362658600| 57214070738| 57192696143| 57201201097| 57222529755| 57209493826| 57226160124| 57188579501| 56272726300| 23102939800| 36140024400| 7006139453| 57204148976	2023	2023-08-01	Environmental Chemistry Letters	English	3.69
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	3.71
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	1.91
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	2.18
2-Mercaptobenzimidazole derivative of chitosan for silver sorption – Contribution of magnetite incorporation and sonication effects on enhanced metal recovery	Elwakeel, K.Z.| Al-Bogami, A.S.| Guibal, E.	3	9433357000| 26667590700| 7006498836	2021	2021-01-01	Chemical Engineering Journal	English	1.39
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	1.63
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	1.94

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	2.28
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	2.31
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	0.95
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	Eloffy, M.G.| Elgarahy, A.M.| Saber, A.N.| Hammad, A.| El-Sherif, D.M.| Shehata, M.| Mohsen, A.| Elwakeel, K.Z.	8	55919580700| 57192696143| 54954871200| 57200181654| 57307212500| 57916024800| 57859732100| 9433357000	2022	2022-11-15	Chemical Engineering Journal Advances	English	2.39
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	9.24
2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies	Elwakeel, K.Z.| Elgarahy, A.M.| Al-Bogami, A.S.| Hamza, M.F.| Guibal, E.	5	9433357000| 57192696143| 26667590700| 36727582700| 7006498836	2021	2021-08-01	Journal of Environmental Chemical Engineering	English	1.42
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	1.49
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	1.64
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	Elgarahy, A.M.| Priya, A.K.| Mostafa, H.Y.| Zaki, E.G.| Elsaeed, S.M.| Muruganandam, M.| Elwakeel, K.Z.	7	57192696143| 57226315795| 57194572166| 57196168749| 56962711500| 59750683600| 9433357000	2023	2023-10-01	Journal of Environmental Chemical Engineering	English	6.2
Biosolids management and utilizations: A review	Elgarahy, A.M.| Eloffy, M.G.| Priya, A.K.| Yogeshwaran, V.| Yang, Z.| Elwakeel, K.Z.| Lopez-Maldonado, E.A.	7	57192696143| 55919580700| 57226315795| 57207691505| 57075306100| 9433357000| 56272726300	2024	2024-04-20	Journal of Cleaner Production	English	4.08
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	4.33
Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion	El-Qelish, M.| Maged, A.| Elwakeel, K.Z.| Bhatnagar, A.| Elgarahy, A.M.	5	47360967500| 57211217930| 9433357000| 7202474586| 57192696143	2024	2024-03-05	Journal of Hazardous Materials	English	1.79
Utilization of chemically modified coal fly ash as cost-effective adsorbent for	Eteba, A.| Bassyouni, M.| Saleh, M.	3	57250821100| 57193261423| 57217049484	2023	2023-07-01	International Journal of Environmental	English	2.02

removal of hazardous organic wastes						Science and Technology		
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	7.52
Green stability indicating organic solvent-free hplc determination of remdesivir in substances and pharmaceutical dosage forms	Ibrahim, A.E.| El Deeb, S.| Abdelhalim, E.M.| Al-Harrasi, A.| Sayed, R.A.	5	55323998700| 14059838300| 57374567100| 6506093146| 56434477000	2021	2021-12-01	Separations	English	0.88
Integration of active solar cooling technology into passively designed facade in hot climates	Noaman, D.S.| Moneer, S.A.| Megahed, N.A.| El-Ghafour, S.A.	4	57173181300| 57754105500| 55941539500| 35324439700	2022	2022-09-15	Journal of Building Engineering	English	2.61
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	Hetimy, S.| Megahed, N.| Eleinen, O.A.| Elgheznawy, D.	4	58230125300| 55941539500| 57223402796| 57224494477	2024	2024-04-01	Sustainable Materials and Technologies	English	2.78
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	6.92
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	Atta, M.H.R.| Zoromba, M.A.| El-Gazar, H.E.| Loutfy, A.| Elsheikh, M.A.| El-ayari, O.S.M.| Sehsah, I.| Elzohairy, N.W.	8	59316343700| 57192239072| 57226792915| 57222353559| 57220953998| 58329572700| 58899827900| 58225244700	2024	2024-12-01	BMC Nursing	English	8.77
Single crystal, Hirshfeld surface and theoretical analysis of methyl 4-hydroxybenzoate, a common cosmetic, drug and food preservative-Experiment versus theory	Sharfalddin, A.| Davaasuren, B.| Emwas, A.-H.| Jaremko, M.| Jaremko, L.| Hussien, M.	6	57191874696| 26424545000| 6507012683| 8355144200| 60143412900| 36991592700	2020	2020-10-01	PLoS ONE	English	1.06
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	2.9
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	2.85
Impact of COVID-19 lockdown on small-scale farming in Northeastern Nile Delta of Egypt and learned lessons for water conservation potentials	Selim, T.| Eltarabily, M.G.	2	48662861300| 56990454800	2022	2022-06-01	Ain Shams Engineering Journal	English	3.83
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	4.66
Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA	Eltarabily, M.G.| Elshaarawy, M.K.	2	56990454800| 58557199500	2024	2024-01-01	Handbook of Environmental Chemistry	English	2.58

Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources	Ismaeil, E.M.H.| Sobaih, A.E.E.	2	57732309400| 43762250600	2023	2023-03-01	Buildings	English	1.48
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	4.36
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	1.24
Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings	Ismaeil, E.M.H.| Sobaih, A.E.E.	2	57732309400| 43762250600	2022	2022-10-01	Buildings	English	3.21
Sustainable Building Optimization Model for Early-Stage Design	Elbeltagi, E.| Wefki, H.| Khallaf, R.	3	6603265905| 57195283493| 57190007287	2023	2023-01-01	Buildings	English	2.61
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	Atta, M.H.R.| Zoromba, M.A.| Asal, M.G.R.| AbdELhay, E.S.| Hendy, A.| Sayed, M.A.| Elmonem, H.H.A.| El-ayari, O.S.M.| Sehsah, I.| AbdELhay, I.S.| Rahman, A.A.A.O.A.| Balha, S.M.I.| Taha, H.M.A.| Shehata, H.S.| Othman, A.A.| Mohamed, A.Z.| Abdelrahman, M.M.| Ibrahim, N.M.I.| Hassan, E.H.M.| El-fatah, H.A.M.A.| Ali, A.A.M.| Elsmalosy, M.F.A.| Machaly, E.R.| Ghoneam, M.A.| Ali, A.F.Z.| Elfar, M.N.A.| El-Sayed, A.A.I.| Mahmoud, M.F.H.| Hassan, E.A.	29	59316343700| 57192239072| 58740125800| 58786094900| 57219356175| 58210532600| 58208616500| 58329572700| 58899827900| 59342414400| 59342835800| 58215820300| 59342277600| 58218551700| 58227587600| 57992871100| 58887272600| 58215844100| 59342554800| 59342696200| 59342696300| 59342696400| 59316931700| 57854478000| 59341870200| 59342416800| 57908688300| 59342554900| 57218297333	2024	2024-12-01	BMC Nursing	English	3.36
"Valorisation of shredded waste tyres through sequential thermal and catalytic pyrolysis for the production of diesel-like fuel."	Shehata, M.| Okeily, M.A.| Hammad, A.S.	3	57916024800| 58239525900| 57200181654	2024	2024-03-01	Results in Engineering	English	1.45
E-learning ecosystem metaphor: building sustainable education for the post-COVID-19 era	Megahed, N.A.| Ghoneim, E.M.	2	55941539500| 37053564900	2022	2022-01-01	International Journal of Learning Technology	English	0.71
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	Meng, J.| Abed, A.M.| Elsehrawy, M.G.| Al Agha, A.| Abdullah, N.| Elattar, S.| Abbas, M.| AL Garalleh, H.| Assilzadeh, H.	9	59134329900| 57716714900| 57742510900| 57210997748| 58712485700| 57216459381| 57201738440| 55762385300| 57221052618	2024	2024-05-30	Heliyon	English	2.95
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	El-Qelish, M.| El-Shafai, S.A.| Azouz, R.A.M.| Rashad, E.| Elgarahy, A.M.	5	47360967500| 6506919423| 57205472437| 57226160124| 57192696143	2024	2024-04-01	Journal of Environmental Chemical Engineering	English	2.61
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	Priya, A.K.| Alghamdi, H.M.| Kavinkumar, V.| Elwakeel, K.Z.| Elgarahy, A.M.	5	57226315795| 58170757700| 57222357766| 9433357000| 57192696143	2024	2024-12-01	International Journal of Biological Macromolecules	English	1.83
Reliable sustainable management strategies for flare gas recovery: technical,	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	English	2.3

environmental, modeling, and economic assessment: a comprehensive review						Pollution Research		
Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method	Mohamed, M.| Sherif, N.| Aboelazayem, O.| Elazab, H.A.| Gadalla, M.| Saha, B.	6	57220667150| 57515968100| 57194698086| 57197864132| 14048292400| 7202946094	2022	2022-01-01	Journal of Physics: Conference Series	English	1.83
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	Selim, T.| Moghazy, N.H.| Elasbah, R.| Elkiki, M.| Eltarabily, M.G.	5	48662861300| 57212589844| 57209028905| 58180117000| 56990454800	2024	2024-06-01	Environment, Development and Sustainability	English	1.99
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	Yakoub, W.A.| Eleinen, O.M.A.| Mahmoud, M.F.| Elrayies, G.M.	4	57223405904| 57223402796| 57223394052| 57195482338	2021	2021-04-01	International Journal of Sustainable Development and Planning	English	1.17
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	3.81
Efficiency of utilizing building information modeling tools for examining smart materials behavior in a hot climate	Mohamed, M.-A.T.| Megahed, N.A.| Shahda, M.M.| Eltarabily, S.	4	59037508700| 55941539500| 57204561477| 57218372332	2024	2024-06-15	Journal of Building Engineering	English	10.12
High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects	Ismaeil, E.M.H.| Sobaih, A.E.E.	2	57732309400| 43762250600	2023	2023-05-01	Buildings	English	1.31
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	1.34
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	Ismaeil, E.M.H.| Sobaih, A.E.E.	2	57732309400| 43762250600	2023	2023-05-01	Buildings	English	1.89
Sustainability-Based Value Engineering Management as an Integrated Approach to Construction Projects	Ismaeil, E.M.H.	1	5.77E+10	2024	2024-04-01	Buildings	English	6.37
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	1.32
Efficient Geospatial Data Analysis Framework in Fog Environment	Saber, W.| Eisa, R.| Attia, R.	3	56081796100| 58064038100| 36781939800	2022	2022-01-01	IEEE Access	English	0.64
Rehabilitation and Exploitation of Heritage Buildings. An Investment Approach: Analytical Comparative Case Study	Leila, M.M.S.A.| ElBastawisy, M.M.	2	57262160600| 57489747200	2022	2022-01-01	Advances in Science, Technology and Innovation	English	1.87
Artificial intelligence for sustainable waste management and control during and post COVID-19 crisis: Critical challenges	Hamdy, W.| Darwish, A.| Hassanien, A.E.	3	57219390529| 56236505100| 57192178208	2021	2021-01-01	Studies in Systems, Decision and Control	English	3.3

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	3.64
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	Moharam, A.I.| Beheary, M.S.| Salama, A.M.| Abdel-Azeem, A.M.	4	58526910400| 6504203919| 57214234912| 59080969500	2023	2023-06-01	Microbial Biosystems	English	0.62
SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI-CRITERIA DECISION-MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING	Mohamed, M.-A.T.| Megahed, N.A.| Eltarabily, S.| Shahda, M.M.	4	59037508700| 55941539500| 57218372332| 57204561477	2024	2024-03-01	Journal of Green Building	English	2.59
Conversion of Fish Waste Oil into Biofuel: An Experimental Study	Mohamed, M.A.| Elazab, H.A.| Gadalla, M.A.| Ashour, F.A.	4	59358894300| 57197864132| 14048292400| 59359295000	2024	2024-09-30	Letters in Applied NanoBioScience	English	2.49
Green NiFe2O4nano-sorbent construction via Foeniculum vulgare extract for efficient barium ions removal	Elamin, N.Y.| El-Fattah, W.A.| Modwi, A.	3	57210322965| 57216615080| 55906235500	2023	2023-09-01	Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences	English	1.23
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	1.44
Predictive modeling of sustainable recycled materials for stone column construction	Foda, T.| Hassan, H.M.| Abdelkader, A.| el-Hassan, K.A.	4	58218844500| 36157895000| 57213257508| 57222633759	2024	2024-11-01	Innovative Infrastructure Solutions	English	0.69
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	0.7
Slow-release urea fertilizer fabrication through the incorporation of raw bentonite and gelatin binder	Nasser, A.| Hosny, N.M.| Moalla, S.M.N.| Hassan, N.	4	59108438300| 55893672800| 6603425790| 57196579595	2023	2023-11-01	Egyptian Journal of Chemistry	English	0.1
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	1.28
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	0.65
Microbial Remediation of some Heavy Metals in Wastewaters of Lake Manzala, Egypt	Abd El-Kader, A.I.| Zaky, M.| El-Serafy, M.A.	3	57913603600| 55925077400| 57885694700	2022	2022-09-01	Egyptian Journal of Aquatic Biology and Fisheries	English	0.52

Title	Views	Citations	Field-Weighted Citation Impact	Field-Citation Average	Outputs in Top Citation Percentiles, per percentile	Field-Weighted Outputs in Top Citation Percentiles, per percentile	Main patent families	Policy citations	Reference
Hydrogen production, storage, utilisation and environmental impacts: a review	519	736	11.57	62.81	1	1	1	6	Osman, A.I., Mehta, N., Elgarahy, A.M. and 4 more (...) (2022).Hydrogen production, storage, utilisation and environmental impacts: a review. Environmental Chemistry Letters,20(1) 153-188
Conversion of biomass to biofuels and life cycle assessment: a review	308	519	5.22	71.64	1	3	1	1	Osman, A.I., Mehta, N., Elgarahy, A.M. and 3 more (...) (2021).Conversion of biomass to biofuels and life cycle assessment: a review. Environmental Chemistry Letters,19(6) 4075-4118
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	265	352	5.6	62.81	1	3	1	0	Osman, A.I., Fawzy, S., Farghali, M. and 8 more (...) (2022).Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review. Environmental Chemistry Letters,20(4) 2385-2485
Insight on water remediation application using magnetic nanomaterials and biosorbents	202	313	4.38	44.49	1	4	0	0	Abdel Maksoud, M.I.A., Elgarahy, A.M., Farrell, C. and 3 more (...) (2020).Insight on water remediation application using magnetic nanomaterials and biosorbents. Coordination Chemistry Reviews,403
Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives	105	229	6.69	34.21	1	2	0	0	El-Saadony, M.T., Saad, A.M., Soliman, S.M. and 12 more (...) (2022).Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives. Frontiers in Plant Science,13
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	215	217	5.45	39.82	1	3	0	0	Osman, A.I., El-Monaem, E.M.A., Elgarahy, A.M. and 10 more (...) (2023).Methods to prepare biosorbents and magnetic sorbents for water treatment: a review. Environmental Chemistry Letters,21(4) 2337-2398
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	108	153	12.73	12.02	1	1	0	0	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)
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	111	137	3.44	39.82	1	6	0	0	Osman, A.I., Farghali, M., Ihara, I. and 11 more (...) (2023).Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review. Environmental Chemistry Letters,21(3) 1419-1476
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	127	126	3.16	39.82	1	7	0	0	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
2-Mercaptobenzimidazole derivative of chitosan for silver sorption – Contribution of magnetite incorporation and sonication effects on enhanced metal recovery	73	94	4.17	17.98	2	4	0	0	Elwakeel, K.Z., Al-Bogami, A.S., Guibal, E. (2021).2-Mercaptobenzimidazole derivative of chitosan for silver sorption – Contribution of magnetite incorporation and sonication effects on enhanced metal recovery. Chemical Engineering Journal,403
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	56	94	4.58	12.88	3	4	0	0	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)
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	67	86	1.99	42.81	2	13	0	0	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
Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation	64	86	4.43	18.98	2	4	0	0	Osman, A.I., Elgarahy, A.M., Mehta, N. and 3 more (...) (2022).Facile Synthesis and Life Cycle Assessment of Highly Active Magnetic Sorbent Composite Derived from Mixed Plastic and Biomass Waste for Water Remediation. ACS Sustainable Chemistry and Engineering,10(37) 12433-12447
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	94	83	3.23	25.73	1	6	0	0	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

Use of biopolymers in wastewater treatment: A brief review of current trends and prospects	34	79	2.75	28.69	1	8	0	0	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
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	124	77	1.51	50.41	2	19	0	0	Eloffy, M.G., Elgarahy, A.M., Saber, A.N. and 5 more (...) (2022).Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges. Chemical Engineering Journal Advances,12
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	289	72	3.89	18.49	1	5	0	0	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
2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies	45	62	2.9	16.91	4	7	0	0	Elwakeel, K.Z., Elgarahy, A.M., Al-Bogami, A.S. and 2 more (...) (2021).2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies. Journal of Environmental Chemical Engineering,9(4)
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	42	50	4.92	10.17	2	3	0	0	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
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	60	48	2.12	15.54	8	11	0	0	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
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	143	47	4.58	10.27	2	4	0	0	Elgarahy, A.M., Priya, A.K., Mostafa, H.Y. and 4 more (...) (2023).Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review. Journal of Environmental Chemical Engineering,11(5)
Biosolids management and utilizations: A review	94	44	6.92	6.36	1	2	0	0	Elgarahy, A.M., Eloffy, M.G., Priya, A.K. and 4 more (...) (2024).Biosolids management and utilizations: A review. Journal of Cleaner Production,451
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	119	39	2.54	15.36	1	10	0	0	El Bari, H., Fanezoune, C.K., Dorneanu, B. and 10 more (...) (2024).Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview. Journal of Analytical and Applied Pyrolysis,178
Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion	49	38	5.99	6.34	1	3	0	0	El-Qelish, M., Maged, A., Elwakeel, K.Z. and 2 more (...) (2024).Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion. Journal of Hazardous Materials,465
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	51	38	4.06	9.12	3	4	0	0	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
Toward a national life cycle assessment tool: Generative design for early decision support	181	38	2.74	13.88	5	8	0	0	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
Green stability indicating organic solvent-free hplc determination of remdesivir in substances and pharmaceutical dosage forms	29	37	1.4	18.52	9	20	0	0	Ibrahim, A.E., El Deeb, S., Abdelhalim, E.M. and 2 more (...) (2021).Green stability indicating organic solvent-free hplc determination of remdesivir in substances and pharmaceutical dosage forms. Separations,8(12)
Integration of active solar cooling technology into passively designed facade in hot climates	76	37	3.04	12.19	6	7	0	0	Noaman, D.S., Moneer, S.A., Megahed, N.A. and 1 more (...) (2022).Integration of active solar cooling technology into passively designed facade in hot climates. Journal of Building Engineering,56
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	93	37	2.08	17.78	1	13	0	0	Hetimy, S., Megahed, N., Eleinen, O.A. and 1 more (...) (2024).Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking. Sustainable Materials and Technologies,39
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	299	31	8.61	3.6	2	2	0	0	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
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	141	31	15.22	2.04	2	1	0	0	Atta, M.H.R., Zoromba, M.A., El-Gazar, H.E. and 5 more (...) (2024).Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study. BMC Nursing,23(1)

Single crystal, Hirshfeld surface and theoretical analysis of methyl 4-hydroxybenzoate, a common cosmetic, drug and food preservative-Experiment versus theory	28	24	0.63	22.28	19	40	0	0	Sharfalddin, A., Davaasuren, B., Emwas, A.-H. and 3 more (...) (2020).Single crystal, Hirshfeld surface and theoretical analysis of methyl 4- hydroxybenzoate, a common cosmetic, drug and food preservative-Experiment versus theory. PLoS ONE,15(10)
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	67	20	1.37	14.65	3	22	0	0	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
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	57	20	2.7	7.4	8	8	0	0	Kulikova, Y., Klementev, S., Sirotkin, A. and 5 more (...) (2023).Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment. Water (Switzerland),15(9)
Impact of COVID-19 lockdown on small-scale farming in Northeastern Nile Delta of Egypt and learned lessons for water conservation potentials	97	19	1.77	10.75	14	15	0	0	Selim, T., Eltarabily, M.G. (2022).Impact of COVID-19 lockdown on small-scale farming in Northeastern Nile Delta of Egypt and learned lessons for water conservation potentials. Ain Shams Engineering Journal,13(4)
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	121	19	2.05	9.27	8	13	0	0	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)
Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA	26	16	13.87	1.15	4	1	0	0	Eltarabily, M.G., Elshaarawy, M.K. (2024).Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA. Handbook of Environmental Chemistry,12637-76
Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources	43	16	1.9	8.41	11	14	0	0	Ismaeil, E.M.H., Sobaih, A.E.E. (2023).Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources. Buildings,13(3)
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)	79	16	18.5	0.86	17	1	0	0	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)
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts	45	16	1.07	12.2	27	26	0	0	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
Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings	101	16	1.42	11.3	17	20	0	0	Ismaeil, E.M.H., Sobaih, A.E.E. (2022).Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings. Buildings,12(10)
Sustainable Building Optimization Model for Early-Stage Design	76	15	1.78	8.41	11	15	0	0	Elbeltagi, E., Wefki, H., Khallaf, R. (2023).Sustainable Building Optimization Model for Early-Stage Design. Buildings,13(1)
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	54	14	6.87	2.04	5	2	0	0	Atta, M.H.R., Zoromba, M.A., Asal, M.G.R. and 26 more (...) (2024).Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students. BMC Nursing,23(1)
"Valorisation of shredded waste tyres through sequential thermal and catalytic pyrolysis for the production of diesel-like fuel."	24	13	2.72	4.79	6	9	0	0	Shehata, M., Okeily, M.A., Hammad, A.S. (2024)."Valorisation of shredded waste tyres through sequential thermal and catalytic pyrolysis for the production of diesel-like fuel.". Results in Engineering,21
E-learning ecosystem metaphor: building sustainable education for the post-COVID-19 era	23	11	1.44	7.64	24	20	0	0	Megahed, N.A., Ghoneim, E.M. (2022).E-learning ecosystem metaphor: building sustainable education for the post-COVID-19 era. International Journal of Learning Technology,17(2) 133-153
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	46	10	1.98	5.06	8	14	0	0	Meng, J., Abed, A.M., Elsehrawy, M.G. and 6 more (...) (2024).Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering. Heliyon,10(10)
From seashells to sustainable energy: Trailblazing the utilization of Anadara	40	10	1.85	5.41	8	16	0	0	El-Qelish, M., El-Shafai, S.A., Azouz, R.A.M. and 2 more (...) (2024).From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells

uropigimelana shells for sustainable biohydrogen production from leftover cooking oil									for sustainable biohydrogen production from leftover cooking oil. Journal of Environmental Chemical Engineering,12(2)
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	30	10	0.9	11.08	8	31	0	0	Priya, A.K., Alghamdi, H.M., Kavinkumar, V. and 2 more (...) (2024).Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment. International Journal of Biological Macromolecules,282
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	73	8	0.55	14.49	11	42	0	0	Elgarahy, A.M., Hammad, A., Shehata, M. and 4 more (...) (2024).Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review. Environmental Science and Pollution Research,31(19) 27566-27608
Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method	26	8	4.98	1.61	32	3	0	0	Mohamed, M., Sherif, N., Aboelazayem, O. and 3 more (...) (2022).Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method. Journal of Physics: Conference Series,2305(1)
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	60	7	1.41	4.25	13	21	0	0	Selim, T., Moghazy, N.H., Elasbah, R. and 2 more (...) (2024).Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt. Environment, Development and Sustainability,26(6) 14957-14979
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	51	6	0.33	15.33	45	58	0	0	Yakoub, W.A., Eleinen, O.M.A., Mahmoud, M.F. and 1 more (...) (2021).Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability. International Journal of Sustainable Development and Planning,16(2) 263-275
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	58	5	0.83	6.02	18	33	0	0	Kulikova, Y., Ilinykh, G., Sliusar, N. and 2 more (...) (2024).Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction. Energy Conversion and Management: X,23
Efficiency of utilizing building information modeling tools for examining smart materials behavior in a hot climate	185	5	1.04	4.82	18	28	0	0	Mohamed, M.-A.T., Megahed, N.A., Shahda, M.M. and 1 more (...) (2024).Efficiency of utilizing building information modeling tools for examining smart materials behavior in a hot climate. Journal of Building Engineering,87
High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects	38	5	0.59	8.41	32	44	0	0	Ismaeil, E.M.H., Sobaih, A.E.E. (2023).High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects. Buildings,13(5)
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	32	5	1.16	4.32	18	25	0	0	Hassan, S., Abo Eleinen, O., Hassan, A. and 1 more (...) (2024).Life cycle assessment and generative design: development of a national LCA tool for exterior walls. Engineering, Construction and Architectural Management,
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	55	4	0.48	8.41	37	49	0	0	Ismaeil, E.M.H., Sobaih, A.E.E. (2023).Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective. Buildings,13(5)
Sustainability-Based Value Engineering Management as an Integrated Approach to Construction Projects	129	3	0.68	4.41	27	38	0	0	Ismaeil, E.M.H. (2024).Sustainability-Based Value Engineering Management as an Integrated Approach to Construction Projects. Buildings,14(4)
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	25	3	0.64	4.72	27	39	0	0	Elhady, S., Bassyouni, M., Elshikhiby, M.Z. and 2 more (...) (2024).Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater. Discover Sustainability,5(1)
Efficient Geospatial Data Analysis Framework in Fog Environment	16	3	0.23	12.87	53	66	0	0	Saber, W., Eisa, R., Attia, R. (2022).Efficient Geospatial Data Analysis Framework in Fog Environment. IEEE Access,10133591-133600
Rehabilitation and Exploitation of Heritage Buildings. An Investment Approach: Analytical Comparative Case Study	35	2	1.7	1.18	60	16	0	0	Leila, M.M.S.A., ElBastawisy, M.M. (2022).Rehabilitation and Exploitation of Heritage Buildings. An Investment Approach: Analytical Comparative Case Study. Advances in Science, Technology and Innovation,199-212
Artificial intelligence for sustainable waste management and control during and post COVID-19 crisis: Critical challenges	63	2	0.4	2.49	64	54	0	0	Hamdy, W., Darwish, A., Hassanien, A.E. (2021).Artificial intelligence for sustainable waste management and control during and post COVID-19 crisis: Critical challenges. Studies in Systems, Decision and Control,36981-91
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	126	2	0.14	14.08	50	69	0	0	Saleh, B.R., El-Hadek, M., Kouta, H. (2023).WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION. Journal of Solid Waste Technology and Management,49(4) 408-421

Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	14	2	0.11	18.54	50	71	0	0	Moharam, A.I., Beheary, M.S., Salama, A.M. and 1 more (...) (2023).Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect. Microbial Biosystems,8(1) 18-25
SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI-CRITERIA DECISION-MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING	48	1	0.25	4.01	45	55	0	0	Mohamed, M.-A.T., Megahed, N.A., Eltarabily, S. and 1 more (...) (2024).SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI-CRITERIA DECISION-MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING. Journal of Green Building,19(2) 163-192
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Green NiFe2O4nano-sorbent construction via Foeniculum vulgare extract for efficient barium ions removal	16	1	0.15	6.84	60	68	0	0	Elamin, N.Y., El-Fattah, W.A., Modwi, A. (2023).Green NiFe2O4nano-sorbent construction via Foeniculum vulgare extract for efficient barium ions removal. Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences,78(9) 851-862
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	25	1	1.02	0.98	45	29	0	0	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
Predictive modeling of sustainable recycled materials for stone column construction	11	1	0.2	4.97	45	58	0	0	Foda, T., Hassan, H.M., Abdelkader, A. and 1 more (...) (2024).Predictive modeling of sustainable recycled materials for stone column construction. Innovative Infrastructure Solutions,9(11)
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	22	1	0.08	11.78	60	73	0	0	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
Slow-release urea fertilizer fabrication through the incorporation of raw bentonite and gelatin binder	2	0	0	10.58	73	73	0	0	Nasser, A., Hosny, N.M., Moalla, S.M.N. and 1 more (...) (2023).Slow-release urea fertilizer fabrication through the incorporation of raw bentonite and gelatin binder. Egyptian Journal of Chemistry,66(11) 63-75
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Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	9	0	0	5.65	62	61	0	0	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
Microbial Remediation of some Heavy Metals in Wastewaters of Lake Manzala, Egypt	10	0	0	8.46	79	79	0	0	Abd El-Kader, A.I., Zaky, M., El-Serafy, M.A. (2022).Microbial Remediation of some Heavy Metals in Wastewaters of Lake Manzala, Egypt. Egyptian Journal of Aquatic Biology and Fisheries,26(5) 483-493

Title	Abstract	DOI	Publication type	Open Access	EID	PubMed ID	Institutions	Number of Institutions
Hydrogen production, storage, utilisation and environmental impacts: a review	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
Conversion of biomass to biofuels and life cycle assessment: a review	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

Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	https://www.scopus.com/record/display.url?eid=2-s2.0-85129487821&origin=resultslist	10.1007/s10311-022-01424-x	Review	Hybrid gold|Green	2-s2.0-85129487821	-	Obihiro University of Agriculture and Veterinary Medicine| University of Florida| Qatar University| Taiz University| Al-Azhar University| Egyptian Atomic Energy Authority| Queen's University Belfast| Port Said University| Egyptian Propylene & Polypropylene Company| Assiut University	10
Insight on water remediation application using magnetic nanomaterials and biosorbents	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
Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives	https://www.scopus.com/record/display.url?eid=2-s2.0-85140375109&origin=resultslist	10.3389/fpls.2022.923880	Review	Gold|Green	2-s2.0-85140375109	-	City for Scientific Research and Technology Applications| United Arab Emirates University| Al-Fayoum University| Umm Al-Qura University| Cairo University| Al Jouf University| Nanjing Normal University| Beni-Suef University| Zagazig University| Murdoch University| Port Said University| Hainan University	12
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	https://www.scopus.com/record/display.url?eid=2-s2.0-85158063989&origin=resultslist	10.1007/s10311-023-01603-4	Review	Hybrid gold	2-s2.0-85158063989	-	Assiut University| Kobe University| Universidad Autonoma de Baja California| Xi'an Jiaotong-Liverpool University| Alexandria University| Queen's University Belfast| Nnamdi Azikiwe University, Awka| Port Said University| Egyptian Propylene & Polypropylene Company	9
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	https://www.scopus.com/record/display.url?eid=2-s2.0-85185279018&origin=resultslist	10.1002/aesr.202400011	Review	Gold	2-s2.0-85185279018	-	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
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	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	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
2-Mercaptobenzimidazole derivative of chitosan for silver sorption – Contribution of magnetite incorporation and sonication effects on	https://www.scopus.com/record/display.url?eid=2-s2.0-85088388473&origin=resultslist	10.1016/j.cej.2020.126265	Article		2-s2.0-85088388473	-	University of Jeddah| Institut Mines-Télécom| IMT Mines Alès| Port Said University	4

enhanced metal recovery								
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	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
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	https://www.scopus.com/record/display.url?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	https://www.scopus.com/record/display.url?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	https://www.scopus.com/record/display.url?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	https://www.scopus.com/record/display.url?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
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	https://www.scopus.com/record/display.url?eid=2-s2.0-85139373351&origin=resultslist	10.1016/j.ceja.2022.100410	Review	Gold	2-s2.0-85139373351	-	University of Jeddah| National Institute of Oceanography and Fisheries| Port Said University| Egyptian Propylene & Polypropylene Company| Agricultural Research Center, Giza	5
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	https://www.scopus.com/record/display.url?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
2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies	https://www.scopus.com/record/display.url?eid=2-s2.0-85105945914&origin=resultslist	10.1016/j.jece.2021.105609	Article		2-s2.0-85105945914	-	Nuclear Materials Authority| University of Jeddah| Guangxi University| Institut Mines-Télécom| IMT Mines Alès| Port Said University	6
Tuning cationic/anionic dyes sorption from	https://www.scopus.com/record/display.url?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

aqueous solution onto green algal biomass for biohydrogen production								
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects	https://www.scopus.com/record/display.url?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
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	https://www.scopus.com/record/display.url?eid=2-s2.0-85171831540&origin=resultslist	10.1016/j.jece.2023.110993	Article		2-s2.0-85171831540	-	Egyptian Petroleum Research Institute| University of Jeddah| ICAR - Indian Institute of Soil and Water Conservation| Port Said University| Egyptian Propylene & Polypropylene Company	5
Biosolids management and utilizations: A review	https://www.scopus.com/record/display.url?eid=2-s2.0-85189429822&origin=resultslist	10.1016/j.jclepro.2024.141974	Article		2-s2.0-85189429822	-	Universidad Autonoma de Baja California| University of Jeddah| Nanjing Normal University| National Institute of Oceanography and Fisheries| Port Said University| Egyptian Propylene & Polypropylene Company	6
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	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
Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion	https://www.scopus.com/record/display.url?eid=2-s2.0-85179055197&origin=resultslist	10.1016/j.jhazmat.2023.133143	Article	Hybrid gold	2-s2.0-85179055197	38056261	Suez University| Johannes Kepler University Linz| National Research Center| Lappeenranta-Lahti University of Technology| Port Said University| Egyptian Propylene & Polypropylene Company	6
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	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
Toward a national life cycle assessment tool: Generative design for early decision support	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
Green stability indicating organic solvent-free hplc determination of remdesivir in substances and pharmaceutical dosage forms	https://www.scopus.com/record/display.url?eid=2-s2.0-85121331730&origin=resultslist	10.3390/separations8120243	Article	Gold|Green	2-s2.0-85121331730	-	Zagazig University| Technical University of Braunschweig| University of Nizwa| Port Said University	4
Integration of active solar cooling technology into passively designed	https://www.scopus.com/record/display.url?eid=2-s2.0-85132359639&origin=resultslist	10.1016/j.jobe.2022.104658	Article		2-s2.0-85132359639	-	Sinai University| Port Said University	2

facade in hot climates								
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	https://www.scopus.com/record/display.url?eid=2-s2.0-85181084098&origin=resultslist	10.1016/j.susmat.2023.e00812	Review		2-s2.0-85181084098	-	Port Said University	1
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	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
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	https://www.scopus.com/record/display.url?eid=2-s2.0-85185674451&origin=resultslist	10.1186/s12912-024-01788-1	Article	Gold|Green	2-s2.0-85185674451	-	Modern University for Technology and Information| Mansoura University| Prince Sattam Bin Abdulaziz University| Cairo University| Beni-Suef University| University of Fujairah| Kafrelsheikh University| Alexandria University| Port Said University| Damanhour University	10
Single crystal, Hirshfeld surface and theoretical analysis of methyl 4-hydroxybenzoate, a common cosmetic, drug and food preservative-Experiment versus theory	https://www.scopus.com/record/display.url?eid=2-s2.0-85092675078&origin=resultslist	10.1371/journal.pone.0239200	Article	Gold|Green	2-s2.0-85092675078	33021975	King Abdullah University of Science and Technology| King Abdulaziz University| Port Said University	3
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	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
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	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
Impact of COVID-19 lockdown on small-scale farming in Northeastern Nile Delta of Egypt and learned lessons for water conservation potentials	https://www.scopus.com/record/display.url?eid=2-s2.0-85120801785&origin=resultslist	10.1016/j.asej.2021.11.018	Article	Gold|Green	2-s2.0-85120801785	-	Port Said University	1
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	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

Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA	https://www.scopus.com/record/display.url?eid=2-s2.0-85189164558&origin=resultslist	10.1007/698_2023_1051	Chapter		2-s2.0-85189164558	-	Horus University - Egypt| Port Said University| University of California at Davis	3
Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources	https://www.scopus.com/record/display.url?eid=2-s2.0-85152701180&origin=resultslist	10.3390/buildings13030796	Article	Gold|Green	2-s2.0-85152701180	-	King Faisal University| Port Said University| Helwan University	3
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)	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	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
Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings	https://www.scopus.com/record/display.url?eid=2-s2.0-85140779319&origin=resultslist	10.3390/buildings12101676	Article	Gold|Green	2-s2.0-85140779319	-	King Faisal University| Port Said University| Helwan University	3
Sustainable Building Optimization Model for Early-Stage Design	https://www.scopus.com/record/display.url?eid=2-s2.0-85146449235&origin=resultslist	10.3390/buildings13010074	Article	Gold|Green	2-s2.0-85146449235	-	Mansoura University| Future University in Egypt| Port Said University	3
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	https://www.scopus.com/record/display.url?eid=2-s2.0-85204870319&origin=resultslist	10.1186/s12912-024-02315-y	Article	Gold|Green	2-s2.0-85204870319	-	South Valley University| Matrouh University| Suez Canal University| Tanta University| Zagazig University| Minia University| Damanhour University| Helwan University| Ain Shams University| Modern University for Technology and Information| Al-Fayoum University| Mansoura University| Menoufia University| Beni-Suef University| Kafrelsheikh University| Alexandria University| Port Said University| Sohag University	18
"Valorisation of shredded waste tyres through sequential thermal and catalytic pyrolysis for the production of diesel-like fuel."	https://www.scopus.com/record/display.url?eid=2-s2.0-85181175078&origin=resultslist	10.1016/j.rineng.2023.101718	Article	Gold	2-s2.0-85181175078	-	Port Said University	1
E-learning ecosystem metaphor: building sustainable education for the post-COVID-19 era	https://www.scopus.com/record/display.url?eid=2-s2.0-85128591397&origin=resultslist	10.1504/ijlt.2022.125075	Article		2-s2.0-85128591397	-	Port Said University	1
Nano-integrating green and low-carbon concepts into	https://www.scopus.com/record/display.url?eid=2-s2.0-85193599897&origin=resultslist	10.1016/j.heliyon.2024.e31244	Article	Gold|Green	2-s2.0-85193599897	-	Jilin Agricultural University| Universidad Tecnológica Equinoccial| Prince Sattam Bin Abdulaziz University| University of Business and Technology| Saveetha Institute of Medical and Technical Sciences (Deemed to be	10

ideological and political education in higher education institutions through K-means clustering							University)| Princess Nourah Bint Abdulrahman University| Al-Mustaqbal University College| King Khalid University| Duy Tan University| Port Said University	
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	https://www.scopus.com/record/display.url?eid=2-s2.0-85182702080&origin=resultslist	10.1016/j.jece.2024.111914	Article		2-s2.0-85182702080	-	University of Sadat City| National Research Center| Alexandria University| Port Said University| Egyptian Propylene & Polypropylene Company	5
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	https://www.scopus.com/record/display.url?eid=2-s2.0-85208553215&origin=resultslist	10.1016/j.ijbiomac.2024.136994	Review		2-s2.0-85208553215	39491712	University of Jeddah| Port Said University| Egyptian Propylene & Polypropylene Company	3
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	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
Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method	https://www.scopus.com/record/display.url?eid=2-s2.0-85137181697&origin=resultslist	10.1088/1742-6596/2305/1/012035	Conference Paper	Gold	2-s2.0-85137181697	-	The British University in Egypt| Lancaster University| University of California at San Diego| University of Leeds| Port Said University	5
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	https://www.scopus.com/record/display.url?eid=2-s2.0-85152286616&origin=resultslist	10.1007/s10668-023-03230-z	Article		2-s2.0-85152286616	-	Alexandria University| Port Said University| University of California at Davis	3
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	https://www.scopus.com/record/display.url?eid=2-s2.0-85105811517&origin=resultslist	10.18280/IJSDP.160206	Article	Bronze	2-s2.0-85105811517	-	Suez Canal University| Port Said University	2
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	https://www.scopus.com/record/display.url?eid=2-s2.0-85197562908&origin=resultslist	10.1016/j.ecmx.2024.100647	Article	Gold	2-s2.0-85197562908	-	Perm National Research Polytechnic University| Port Said University	2
Efficiency of utilizing building information modeling tools for examining smart	https://www.scopus.com/record/display.url?eid=2-s2.0-85187960777&origin=resultslist	10.1016/j.jobe.2024.108924	Article		2-s2.0-85187960777	-	Port Said University	1

materials behavior in a hot climate								
High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects	https://www.scopus.com/record/display.url?eid=2-s2.0-85160662737&origin=resultslist	10.3390/buildings13051243	Article	Gold|Green	2-s2.0-85160662737	-	King Faisal University| Port Said University| Helwan University	3
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	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
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	https://www.scopus.com/record/display.url?eid=2-s2.0-85160610723&origin=resultslist	10.3390/buildings13051110	Article	Gold|Green	2-s2.0-85160610723	-	King Faisal University| Port Said University| Helwan University	3
Sustainability-Based Value Engineering Management as an Integrated Approach to Construction Projects	https://www.scopus.com/record/display.url?eid=2-s2.0-85191395932&origin=resultslist	10.3390/buildings14040903	Article	Gold	2-s2.0-85191395932	-	King Faisal University| Port Said University	2
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	https://www.scopus.com/record/display.url?eid=2-s2.0-85204202589&origin=resultslist	10.1007/s43621-024-00349-5	Article	Gold	2-s2.0-85204202589	-	Port Said University	1
Efficient Geospatial Data Analysis Framework in Fog Environment	https://www.scopus.com/record/display.url?eid=2-s2.0-85146218057&origin=resultslist	10.1109/ACCESS.2022.3231787	Article	Gold	2-s2.0-85146218057	-	Port Said University	1
Rehabilitation and Exploitation of Heritage Buildings. An Investment Approach: Analytical Comparative Case Study	https://www.scopus.com/record/display.url?eid=2-s2.0-85126486905&origin=resultslist	10.1007/978-3-030-74482-3_16	Chapter		2-s2.0-85126486905	-	Mansoura University| Port Said University	2
Artificial intelligence for sustainable waste management and control during and post COVID-19 crisis: Critical challenges	https://www.scopus.com/record/display.url?eid=2-s2.0-85106062039&origin=resultslist	10.1007/978-3-030-72933-2_5	Chapter		2-s2.0-85106062039	-	Cairo University| Port Said University| Helwan University	3
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	https://www.scopus.com/record/display.url?eid=2-s2.0-85183658475&origin=resultslist	10.5276/jswtm/iswmaw/494/2023.408	Article		2-s2.0-85183658475	-	Port Said University	1
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	https://www.scopus.com/record/display.url?eid=2-s2.0-85167091247&origin=resultslist	10.21608/MB.2023.305659	Review	Gold	2-s2.0-85167091247	-	Suez Canal University| Port Said University| University of The Free State	3

SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI-CRITERIA DECISION-MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING	https://www.scopus.com/record/display.url?eid=2-s2.0-85194381635&origin=resultslist	10.3992/jgb.19.2.163	Article		2-s2.0-85194381635	-	Port Said University	1
Conversion of Fish Waste Oil into Biofuel: An Experimental Study	https://www.scopus.com/record/display.url?eid=2-s2.0-85205868455&origin=resultslist	10.33263/LIANBS133.108	Article	Gold	2-s2.0-85205868455	-	The British University in Egypt| Missouri University of Science and Technology| University of the Witwatersrand| Port Said University	4
Green NiFe2O4nano-sorbent construction via Foeniculum vulgare extract for efficient barium ions removal	https://www.scopus.com/record/display.url?eid=2-s2.0-85166195002&origin=resultslist	10.1515/zna-2023-0094	Article		2-s2.0-85166195002	-	Al-Imam Muhammad Ibn Saud Islamic University| Sudan University of Science and Technology| Qassim University| Port Said University	4
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	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
Predictive modeling of sustainable recycled materials for stone column construction	https://www.scopus.com/record/display.url?eid=2-s2.0-85205966453&origin=resultslist	10.1007/s41062-024-01700-5	Article	Hybrid gold	2-s2.0-85205966453	-	Delta University for Science and Technology| Port Said University	2
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	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
Slow-release urea fertilizer fabrication through the incorporation of raw bentonite and gelatin binder	https://www.scopus.com/record/display.url?eid=2-s2.0-85177297487&origin=resultslist	10.21608/EJCHEM.2022.149316.6449	Article		2-s2.0-85177297487	-	Port Said University	1
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	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
Sustainable Textile Wastewater Treatment Using Biodegradable Chitosan for High-Efficiency Dye Removal	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
Microbial Remediation of some Heavy Metals in Wastewaters of Lake Manzala, Egypt	https://www.scopus.com/record/display.url?eid=2-s2.0-85139149477&origin=resultslist	10.21608/ejabf.2022.262658	Article	Gold	2-s2.0-85139149477	-	Port Said University	1

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
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
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
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	60029738| 60000402| 60000617| 60273147| 60197146| 60072749| 60197145| 60274043| 60108617| 60092747| 60009353| 60012577| 60072795| 60274955| 60004871| 128079878| 60010177| 60013959	Queen's University Belfast| Obihiro University of Agriculture and Veterinary Medicine| Assiut University| Faculty of Veterinary Medicine| Department of Chemistry and Earth Sciences, College of Arts and Sciences, Qatar University| Qatar University| College of Arts and Sciences, Qatar University| Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company| Egyptian Atomic Energy Authority| National Center for Radiation Research and Technology| Taiz University| Faculty of Engineering| Al-Azhar University| Cemart for Building Materials and Insulation| University of Florida Institute of Food and Agricultural Sciences| University of Florida	5.54E+10	7.01E+09	5.54E+10	-	Qatar| United Kingdom| Egypt| Japan| United States| Yemen	6
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
Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives	60274106| 60003593| 60274319| 60243392| 60010294| 60007948| 60218569| 60017716| 60273729| 60032860| 60020258| 60027423| 60273898| 60274085| 60108617| 60104126| 60006848| 60008665| 60019939	Faculty of Agriculture| Zagazig University| Faculty of Pharmacy| Faculty of Veterinary Medicine| Cairo University| Beni-Suef University| Faculty of Agriculture| Hainan University| Arid Lands Cultivation Research Institute| City of Scientific Research and Technological Applications| Nanjing Normal University| Fayoum University| Faculty of Agriculture| Faculty of Specified Education| Port Said University| Jouf University| Umm Al-Qura University| United Arab Emirates University| Murdoch University	5.72E+10	1.28E+10	6701719967| 12806366100	-	United Arab Emirates| China| Egypt| Saudi Arabia| Australia	5
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	60029738| 60004238| 60033041| 60092747| 60108617| 60274043| 60021842| 60011418| 60000617| 60273147| 60005618| 60102426	Queen's University Belfast| Faculty of Science| Alexandria University| Egyptian Propylene and Polypropylene Company| Port Said University| Faculty of Science| Nnamdi Azikiwe University| Kobe University| Assiut University| Faculty of Veterinary Medicine| Universidad Autónoma de Baja California| Xi'an Jiaotong-Liverpool University	5.54E+10	5.72E+10	5.54E+10	-	United Kingdom| China| Mexico| Egypt| Japan| Nigeria	6
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
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and	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	5.54E+10	7.01E+09	55362658600| 36140024400	-	Taiwan| United Kingdom| China| Egypt|	6

lignocellulosic biomass: a review		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					Japan| Saudi Arabia	
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	60029738| 60024451| 60011418| 60273147| 60000617| 60092747| 60108617| 60274043| 60274042| 60013183| 60102426	Queen's University Belfast| Universiti Malaysia Sarawak| Kobe University| Faculty of Veterinary Medicine| Assiut University| Egyptian Propylene and Polypropylene Company| Port Said University| Faculty of Science| Faculty of Engineering- Port Said University| King Saud University| Xi'an Jiaotong-Liverpool University	5.54E+10	3.61E+10	5536265860 0| 5622356810 0| 3614002440 0	-	United Kingdom| China| Egypt| Japan| Saudi Arabia| Malaysia	6
2-Mercaptobenzimidazole derivative of chitosan for silver sorption – Contribution of magnetite incorporation and sonication effects on enhanced metal recovery	60108699| 60108617| 60274043| 60012033	University of Jeddah| Port Said University| Faculty of Science| IMT Mines Alès	9.43E+09	7.01E+09	7.01E+09	-	Egypt| Saudi Arabia| France	3
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	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
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	3618808210 0| 9433357000	-	Egypt| Saudi Arabia	2
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
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
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
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	60030271| 60274043| 60108617| 60092747| 60019332| 60110414| 60274042| 114372907| 60108699	National Institute of Oceanography and Fisheries| Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company| Agricultural Research Center| Central Agricultural Pesticides Laboratory| Faculty of Engineering- Port Said University| United Gas Derivative Company| University of Jeddah	5.59E+10	9.43E+09	5.72E+10	-	Egypt| Saudi Arabia	2
Sustainable management of food	60274043| 60108617| 60092747| 60030271| 60032955| 60013551| 60087826| 60014618	Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company| National Institute of Oceanography and	5.72E+10	4.74E+10	5591958070 0|	-	China| Egypt	2

waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review		Fisheries| Huazhong Agricultural University| China Agricultural University| Ministry of Agriculture of the People's Republic of China| National Research Centre			5730721250 0| 9433357000			
2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies	60108699| 60108617| 60274043| 60030270| 60023876| 60012033	University of Jeddah| Port Said University| Faculty of Science| Guangxi University| Nuclear Materials Authority| IMT Mines Alès	9.43E+09	7.01E+09	9433357000| 7006498836	-	China| Egypt| Saudi Arabia| France	4
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
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
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	60092747| 60108617| 60274043| 60108640| 60099697| 60015541| 60108699	Egyptian Propylene and Polypropylene Company| Port Said University| Faculty of Science| KPR Institute of Engineering and Technology| ICAR - Indian Institute of Soil and Water Conservation, Dehradun| Egyptian Petroleum Research Institute| University of Jeddah	5.72E+10	9.43E+09	5719269614 3| 5722631579 5	-	India| Egypt| Saudi Arabia	3
Biosolids management and utilizations: A review	60274043| 60108617| 60092747| 60030271| 60108640| 60103989| 60020258| 60108699| 60005618	Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company| National Institute of Oceanography and Fisheries| KPR Institute of Engineering and Technology| Sri Krishna College of Engineering and Technology Coimbatore| Nanjing Normal University| University of Jeddah| Universidad Autónoma de Baja California	5.72E+10	5.63E+10	9.43E+09	-	India| China| Mexico| Egypt| Saudi Arabia	5
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
Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion	60014618| 60014304| 60274485| 60104710| 60021931| 60108617| 60274043| 60092747	National Research Centre| LUT University| Faculty of Science| Suez University| Johannes Kepler University Linz| Port Said University| Faculty of Science| Egyptian Propylene and Polypropylene Company	4.74E+10	5.72E+10	5.72E+10	-	Austria| Egypt| Finland	3
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
Toward a national life cycle assessment tool:	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	5.77E+10	5.72E+10	5.77E+10	-	Egypt	1

Generative design for early decision support								
Green stability indicating organic solvent-free hplc determination of remdesivir in substances and pharmaceutical dosage forms	60274067| 60108617| 60007902| 60104727| 60274277| 60003593| 60274319	Faculty of Pharmacy| Port Said University| Technische Universität Braunschweig| University of Nizwa| Faculty of Science| Zagazig University| Faculty of Pharmacy	5.53E+10	5.64E+10	1.41E+10	-	Egypt| Oman| Germany	3
Integration of active solar cooling technology into passively designed facade in hot climates	60274042| 60108617| 60082030| 60273858| 60273855	Faculty of Engineering- Port Said University| Port Said University| Sinai University| Faculty of Engineering| Sinai University - Kantara	5.72E+10	3.53E+10	5.78E+10	-	Egypt	1
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	60274042	Faculty of Engineering- Port Said University	5.82E+10	5.72E+10	5.82E+10	-	Egypt	1
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
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	60033041| 60274388| 60105222| 60012022| 60231642| 60274075| 60108617| 60113256| 60218509| 60007948| 60243178| 60010294| 60227471| 60025733| 60274238| 60274268| 60105346	Alexandria University| Faculty of Nursing| Prince Sattam Bin Abdulaziz University| Mansoura University| Faculty of Nursing| Faculty of Nursing| Port Said University| University of Fujairah| Faculty of Nursing| Beni-Suef University| Faculty of Nursing| Cairo University| Faculty of Nursing| Kafrelsheikh University| Modern University for Technology and Information| Faculty of Nursing| Damanhour University	5.93E+10	5.82E+10	5.93E+10	-	United Arab Emirates| Egypt| Saudi Arabia	3
Single crystal, Hirshfeld surface and theoretical analysis of methyl 4-hydroxybenzoate, a common cosmetic, drug and food preservative-Experiment versus theory	60238510| 60004582| 60092945| 60274043| 60108617	Faculty of Sciences, King Abdulaziz University| King Abdulaziz University| King Abdullah University of Science and Technology| Faculty of Science| Port Said University	5.72E+10	3.7E+10	60143412900| 36991592700	-	Egypt| Saudi Arabia	2
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
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
Impact of COVID-19 lockdown on small-scale farming in Northeastern Nile Delta of Egypt and learned lessons for	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	4.87E+10	5.7E+10	5.7E+10	-	Egypt	1

water conservation potentials								
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
Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA	60014439| 60108617| 60274042| 60275574	University of California, Davis| Port Said University| Faculty of Engineering- Port Said University| Horus University - Egypt	5.7E+10	5.86E+10	5.7E+10	-	Egypt| United States	2
Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources	60030736| 60108617| 60274042| 60273335| 60029258	King Faisal University| Port Said University| Faculty of Engineering- Port Said University| Faculty of Tourisim & Hotel Management| Helwan University	5.77E+10	4.38E+10	5773230940| 4376225060	-	Egypt| Saudi Arabia	2
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	5536265860| 3976153720| 5711766240	-	United Kingdom| Oman| Egypt| Switzerland	4
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
Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings	60030736| 60274042| 60108617| 60029258| 60273335	King Faisal University| Faculty of Engineering- Port Said University| Port Said University| Helwan University| Faculty of Tourisim & Hotel Management	5.77E+10	4.38E+10	5773230940| 4376225060	-	Egypt| Saudi Arabia	2
Sustainable Building Optimization Model for Early-Stage Design	60012022| 60231617| 60108617| 60002744| 60273396	Mansoura University| Faculty of Engineering| Port Said University| Future University in Egypt| Faculty of Engineering & Technology	6.6E+09	5.72E+10	5.72E+10	-	Egypt	1
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	60033041| 60012022| 60231642| 60274388| 60016618| 60217117| 60027423| 113673375| 60025733| 60227471| 60274238| 60274268| 60009750| 60221126| 60011568| 131723041| 60023291| 60014101| 60239407| 60020322| 60274075| 60108617| 60029258| 60018623| 60159900| 60007948| 60003593| 60105346| 60273275	Alexandria University| Mansoura University| Faculty of Nursing| Faculty of Nursing| Ain Shams University| College of Nursing| Fayoum University| Pediatric Nursing| Kafrelsheikh University| Faculty of Nursing| Modern University for Technology and Information| Faculty of Nursing| Minia University| Faculty of Nursing| Tanta University| Nursing Administration Department University| Menoufia University| Sohag University| Faculty of Nursing| Suez Canal University| Faculty of Nursing| Port Said University| Helwan University| South Valley University| Matrouh University| Beni-Suef University| Zagazig University| Damanhour University| Faculty of Nursing	5.93E+10	5.72E+10	5.93E+10	-	Egypt	1
"Valorisation of shredded waste tyres through sequential	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	5.79E+10	5.72E+10	5.79E+10	-	Egypt	1

thermal and catalytic pyrolysis for the production of diesel-like fuel."								
E-learning ecosystem metaphor: building sustainable education for the post-COVID-19 era	60274042| 60108617| 60274044	Faculty of Engineering- Port Said University| Port Said University| Faculty of Medicine	5.59E+10	3.71E+10	5.59E+10	-	Egypt	1
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	60083913| 60108639| 60105222| 60274075| 60108617| 60122462| 60105146| 60027741| 60108339| 60111656| 60109606| 60109334	Jilin Agricultural University| Al-Mustaqbal University| Prince Sattam Bin Abdulaziz University| Faculty of Nursing| Port Said University| University of Business and Technology| Princess Nourah Bint Abdulrahman University| King Khalid University| Universidad UTE| Duy Tan University| Saveetha Institute of Medical and Technical Sciences| Saveetha Dental College And Hospitals	5.91E+10	5.72E+10	5771671490 0| 5774251090 0| 5721099774 8	-	India| Iraq| China| Ecuador| Egypt| Saudi Arabia| Viet Nam	7
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	60014618| 60108625| 60004238| 60033041| 60274043| 60108617| 60092747	National Research Centre| University of Sadat City| Faculty of Science| Alexandria University| Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company	4.74E+10	5.72E+10	5.72E+10	-	Egypt	1
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	60108640| 60108699| 60274043| 60108617| 60092747	KPR Institute of Engineering and Technology| University of Jeddah| Faculty of Science| Port Said University| Egyptian Propylene and Polypropylene Company	5.72E+10	5.72E+10	5722631579 5| 5719269614 3	-	India| Egypt| Saudi Arabia	3
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
Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method	60273423| 60023356| 60012070| 60121663| 60030612| 60274042| 60108617| 60117770| 60023643	Faculty of Engineering| The British University in Egypt| University of Leeds| UC San Diego Jacobs School of Engineering| University of California, San Diego| Faculty of Engineering- Port Said University| Port Said University| Department of Engineering, Lancaster University| Lancaster University	5.72E+10	7.2E+09	5.75E+10	-	United Kingdom| Egypt| United States	3
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	60108617| 60274042| 60008708| 60033041| 113650246| 60014439	Port Said University| Faculty of Engineering- Port Said University| Faculty of Engineering| Alexandria University| Higher Institute for Engineering and Technology| University of California, Davis	4.87E+10	5.7E+10	5.7E+10	-	Egypt| United States	2
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	60108617| 60274042| 60239348| 60020322	Port Said University| Faculty of Engineering- Port Said University| Faculty of Engineering| Suez Canal University	5.72E+10	5.72E+10	5.72E+10	-	Egypt	1
Life cycle assessments of biofuel production	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

from beach-cast seaweed by pyrolysis and hydrothermal liquefaction								
Efficiency of utilizing building information modeling tools for examining smart materials behavior in a hot climate	60274042| 60108617	Faculty of Engineering- Port Said University| Port Said University	5.9E+10	5.72E+10	5.9E+10	-	Egypt	1
High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects	60030736| 60108617| 60274042| 60273335| 60029258	King Faisal University| Port Said University| Faculty of Engineering- Port Said University| Faculty of Tourisim & Hotel Management| Helwan University	5.77E+10	4.38E+10	5773230940| 43762250600	-	Egypt| Saudi Arabia	2
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
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	60030736| 60108617| 60274042| 60273335| 60029258	King Faisal University| Port Said University| Faculty of Engineering- Port Said University| Faculty of Tourisim & Hotel Management| Helwan University	5.77E+10	4.38E+10	5773230940| 43762250600	-	Egypt| Saudi Arabia	2
Sustainability-Based Value Engineering Management as an Integrated Approach to Construction Projects	60030736| 60108617| 60274042	King Faisal University| Port Said University| Faculty of Engineering- Port Said University	-	-	-	5.77E+10	Egypt| Saudi Arabia	2
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
Efficient Geospatial Data Analysis Framework in Fog Environment	60108617| 60274042	Port Said University| Faculty of Engineering- Port Said University	5.61E+10	3.68E+10	5.61E+10	-	Egypt	1
Rehabilitation and Exploitation of Heritage Buildings. An Investment Approach: Analytical Comparative Case Study	60012022| 60231617| 60274042| 60108617	Mansoura University| Faculty of Engineering| Faculty of Engineering- Port Said University| Port Said University	5.73E+10	5.75E+10	5.73E+10	-	Egypt	1
Artificial intelligence for sustainable waste management and control during and post COVID-19 crisis: Critical challenges	60274043| 60108617| 60273143| 60029258| 60243149| 60010294	Faculty of Science| Port Said University| Faculty of Science| Helwan University| Faculty of Computers and Artificial Intelligence| Cairo University	5.72E+10	5.72E+10	5.72E+10	-	Egypt	1
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
Oleaginous fungi as a sustainable source for biodiesel production:	60108617| 60274043| 60239261| 60020322| 60015706	Port Said University| Faculty of Science| Faculty of Science| Suez Canal University| University of the Free State	5.85E+10	5.91E+10	5.85E+10	-	Egypt| South Africa	2

Current and future prospect								
SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI-CRITERIA DECISION-MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING	60274042	Faculty of Engineering- Port Said University	5.9E+10	5.72E+10	5.9E+10	-	Egypt	1
Conversion of Fish Waste Oil into Biofuel: An Experimental Study	60273423| 60023356| 60024728| 60146648| 60108617| 60016218	Faculty of Engineering| The British University in Egypt| Missouri University of Science and Technology| College of Engineering and Computing| Port Said University| University of the Witwatersrand, Johannesburg	5.94E+10	5.94E+10	5.72E+10	-	Egypt| South Africa| United States	3
Green NiFe2O4nano-sorbent construction via Foeniculum vulgare extract for efficient barium ions removal	60005880| 60071743| 60108617| 60274043| 60025518	Imam Mohammad Ibn Saud Islamic University| Sudan University of Science and Technology| Port Said University| Faculty of Science| Qassim University	5.72E+10	5.59E+10	5.59E+10	-	Egypt| Saudi Arabia| Sudan	3
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
Predictive modeling of sustainable recycled materials for stone column construction	60170200| 60273669| 60108617| 60274042	Delta University for Science and Technology| Faculty of Engineering| Port Said University| Faculty of Engineering- Port Said University	5.82E+10	5.72E+10	5.82E+10	-	Egypt	1
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
Slow-release urea fertilizer fabrication through the incorporation of raw bentonite and gelatin binder	60108617| 60274043	Port Said University| Faculty of Science	5.91E+10	5.72E+10	5.91E+10	-	Egypt	1
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
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
Microbial Remediation of some Heavy Metals in Wastewaters of Lake Manzala, Egypt	60108617| 60274043| 60274067	Port Said University| Faculty of Science| Faculty of Pharmacy	5.79E+10	5.79E+10	5.79E+10	-	Egypt	1

Title	All Science Journal Classification (ASJC) code	All Science Journal Classification (ASJC) field name	Quacquarelli Symonds (QS) Subject area code	Quacquarelli Symonds (QS) Subject area field name	Quacquarelli Symonds (QS) Subject code	Quacquarelli Symonds (QS) Subject field name	Times Higher Education (THE) code
Hydrogen production, storage, utilisation and environmental impacts: a review	2304	Environmental Chemistry	4| 2	Natural Sciences| Engineering & Technology	249| 424	Engineering - Petroleum| Environmental Sciences	37
Conversion of biomass to biofuels and life cycle assessment: a review	2304	Environmental Chemistry	2| 4	Engineering & Technology| Natural Sciences	424| 249	Environmental Sciences| Engineering - Petroleum	37
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	2304	Environmental Chemistry	4| 2	Natural Sciences| Engineering & Technology	249| 424	Engineering - Petroleum| Environmental Sciences	37
Insight on water remediation application using magnetic nanomaterials and biosorbents	1600| 1604| 1606| 2505	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
Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives	1110	Plant Science	5	Life Sciences & Medicine	502	Agriculture & Forestry	32
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	2304	Environmental Chemistry	2| 4	Engineering & Technology| Natural Sciences	424| 249	Environmental Sciences| Engineering - Petroleum	37
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	2102| 2301| 2303| 2311	Energy Engineering and Power Technology| Environmental Science (miscellaneous)| Ecology| Waste Management and Disposal	2| 4| 3	Engineering & Technology| Natural Sciences| Social Sciences & Management	424| 249| 221	Environmental Sciences| Engineering - Petroleum| Engineering - Electrical & Electronic	36| 37
Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review	2304	Environmental Chemistry	2| 4	Engineering & Technology| Natural Sciences	249| 424	Engineering - Petroleum| Environmental Sciences	37
Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production	2304	Environmental Chemistry	4| 2	Natural Sciences| Engineering & Technology	424| 249	Environmental Sciences| Engineering - Petroleum	37

2-Mercaptobenzimidazole derivative of chitosan for silver sorption – Contribution of magnetite incorporation and sonication effects on enhanced metal recovery	1500| 1600| 2209| 2304	General Chemical Engineering| General Chemistry| Industrial and Manufacturing Engineering| Environmental Chemistry	2| 4	Engineering & Technology| Natural Sciences	219| 222| 249| 409| 424	Engineering - Chemical| Engineering - Mechanical| Engineering - Petroleum| Chemistry| Environmental Sciences	36| 37
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing	1507| 1508| 1706| 2200| 2500| 3105	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
Chitosan- or glycidyl methacrylate-based adsorbents for the removal of dyes from aqueous solutions: a review	1601| 2500	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	1500| 1600| 2105| 2304	General Chemical Engineering| General Chemistry| Renewable Energy, Sustainability and the Environment| Environmental Chemistry	4| 2	Natural Sciences| Engineering & Technology	221| 409| 249| 219| 424	Engineering - Electrical & Electronic| Chemistry| Engineering - Petroleum| Engineering - Chemical| Environmental Sciences	37| 36
Geopolymers as sustainable eco-friendly materials: Classification, synthesis routes, and applications in wastewater treatment	1506| 1602	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	1303| 1500| 1600| 2305	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
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	1500| 1600| 2209| 2304	General Chemical Engineering| General Chemistry| Industrial and Manufacturing Engineering| Environmental Chemistry	2| 4	Engineering & Technology| Natural Sciences	249| 222| 219| 424| 409	Engineering - Petroleum| Engineering - Mechanical| Engineering - Chemical| Environmental Sciences| Chemistry	36| 37
Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review	1303| 2300| 2739	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
2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies	1501| 1508| 2310| 2311	Chemical Engineering (miscellaneous)| Process Chemistry and Technology| Pollution| Waste Management and Disposal	2| 3	Engineering & Technology| Social Sciences & Management	219| 249| 424	Engineering - Chemical| Engineering - Petroleum| Environmental Sciences	36| 37
Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production	1303| 2300	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	1111| 1602| 2304| 2307| 2310| 2311| 2312| 2739	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
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	1501| 1508| 2310| 2311	Chemical Engineering (miscellaneous)| Process Chemistry and Technology| Pollution| Waste Management and Disposal	2| 3	Engineering & Technology| Social Sciences & Management	424| 249| 219	Environmental Sciences| Engineering - Petroleum| Engineering - Chemical	37| 36
Biosolids management and utilizations: A review	1408| 2105| 2209| 2300	Strategy and Management| Renewable Energy, Sustainability and the Environment| Industrial and Manufacturing Engineering| General Environmental Science	2| 3	Engineering & Technology| Social Sciences & Management	424| 221| 222| 308	Environmental Sciences| Engineering - Electrical & Electronic| Engineering - Mechanical| Business & Management Studies	35| 37| 36
Catalytic fast pyrolysis of lignocellulosic biomass: Recent advances and comprehensive overview	1602| 2103	Analytical Chemistry| Fuel Technology	2| 4	Engineering & Technology| Natural Sciences	409| 249| 221	Chemistry| Engineering - Petroleum| Engineering - Electrical & Electronic	36| 37
Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion	2304| 2305| 2307| 2310| 2311	Environmental Chemistry| Environmental Engineering| Health, Toxicology and Mutagenesis| Pollution| Waste Management and Disposal	3| 4| 2| 5	Social Sciences & Management| Natural Sciences| Engineering & Technology| Life Sciences & Medicine	424| 249	Environmental Sciences| Engineering - Petroleum	34| 37
Utilization of chemically modified coal fly ash as cost-effective adsorbent for removal of hazardous organic wastes	1100| 2304| 2305	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
Toward a national life cycle assessment tool: Generative design for early decision support	2205| 2208| 2210| 2215	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
Green stability indicating organic solvent-free hplc determination of remdesivir in substances and pharmaceutical dosage forms	1506| 1602	Filtration and Separation| Analytical Chemistry	4| 2	Natural Sciences| Engineering & Technology	409| 219| 249	Chemistry| Engineering - Chemical| Engineering - Petroleum	36| 37
Integration of active solar cooling technology into passively designed facade in hot climates	2205| 2211| 2213| 2215| 2216	Civil and Structural Engineering| Mechanics of Materials| Safety, Risk, Reliability and Quality| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	106| 220| 249| 433| 222	Architecture| Engineering - Civil & Structural| Engineering - Petroleum| Materials Science| Engineering - Mechanical	36| 33
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	2105| 2209| 2311| 2500	Renewable Energy, Sustainability and the Environment| Industrial and Manufacturing Engineering| Waste Management and Disposal| General Materials Science	3| 2	Social Sciences & Management| Engineering & Technology	222| 424| 221| 433	Engineering - Mechanical| Environmental Sciences| Engineering - Electrical & Electronic| Materials Science	36| 37
How management accounting practices integrate with big data analytics and its impact on corporate sustainability	1402| 1404| 2001	Accounting| Management Information Systems| Economics, Econometrics and Finance (miscellaneous)	3	Social Sciences & Management	317| 308| 301	Economics & Econometrics| Business & Management Studies| Accounting & Finance	35
Climate anxiety, environmental attitude, and job engagement	2900	General Nursing	5	Life Sciences & Medicine	534	Nursing	34

among nursing university colleagues: a multicenter descriptive study							
Single crystal, Hirshfeld surface and theoretical analysis of methyl 4-hydroxybenzoate, a common cosmetic, drug and food preservative-Experiment versus theory	1000	Multidisciplinary	-	-	-	-	-
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	1601| 2304| 2505	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
Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment	1104| 1303| 2312| 3305	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
Impact of COVID-19 lockdown on small-scale farming in Northeastern Nile Delta of Egypt and learned lessons for water conservation potentials	2200	General Engineering	2	Engineering & Technology	-	-	36
The Moderating Role of Digital Environmental Management Accounting in the Relationship between Eco-Efficiency and Corporate Sustainability	1701| 1705| 1708| 2102| 2105| 2301| 2308| 3305	Computer Science (miscellaneous)| Computer Networks and Communications| Hardware and Architecture| Energy Engineering and Power Technology| Renewable Energy, Sustainability and the Environment| Environmental Science (miscellaneous)| Management, Monitoring, Policy and Law| Geography, Planning and Development	3| 2	Social Sciences & Management| Engineering & Technology	212| 425| 249| 221| 424	Computer Science & Information Systems| Geography| Engineering - Petroleum| Engineering - Electrical & Electronic| Environmental Sciences	37| 40| 38| 36
Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA	2304| 2306| 2310| 2311| 2312	Environmental Chemistry| Global and Planetary Change| Pollution| Waste Management and Disposal| Water Science and Technology	3| 4| 2	Social Sciences & Management| Natural Sciences| Engineering & Technology	424| 249	Environmental Sciences| Engineering - Petroleum	37
Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources	2205| 2215| 2216	Civil and Structural Engineering| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	220| 106	Engineering - Civil & Structural| Architecture	36| 33
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)	2304	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	1700| 2200| 2500	General Computer Science| General Engineering| General Materials Science	2	Engineering & Technology	212| 433	Computer Science & Information Systems| Materials Science	36| 38

machining aisi 4340 steel with wiper inserts							
Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings	2205| 2215| 2216	Civil and Structural Engineering| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	106| 220	Architecture| Engineering - Civil & Structural	33| 36
Sustainable Building Optimization Model for Early-Stage Design	2205| 2215| 2216	Civil and Structural Engineering| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	220| 106	Engineering - Civil & Structural| Architecture	36| 33
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	2900	General Nursing	5	Life Sciences & Medicine	534	Nursing	34
"Valorisation of shredded waste tyres through sequential thermal and catalytic pyrolysis for the production of diesel-like fuel."	2200	General Engineering	2	Engineering & Technology	-	-	36
E-learning ecosystem metaphor: building sustainable education for the post-COVID-19 era	3304	Education	3	Social Sciences & Management	318	Education & Training	41
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	1000	Multidisciplinary	-	-	-	-	-
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	1501| 1508| 2310| 2311	Chemical Engineering (miscellaneous)| Process Chemistry and Technology| Pollution| Waste Management and Disposal	3| 2	Social Sciences & Management| Engineering & Technology	249| 424| 219	Engineering - Petroleum| Environmental Sciences| Engineering - Chemical	36| 37
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	1303| 1312| 1315	Biochemistry| Molecular Biology| Structural Biology	5	Life Sciences & Medicine	507	Biological Sciences	32
Reliable sustainable management strategies for flare gas recovery: technical, environmental, modeling, and economic assessment: a comprehensive review	2304| 2307| 2310	Environmental Chemistry| Health, Toxicology and Mutagenesis| Pollution	5| 2| 4| 3	Life Sciences & Medicine| Engineering & Technology| Natural Sciences| Social Sciences & Management	249| 424	Engineering - Petroleum| Environmental Sciences	37| 34
Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method	3100	General Physics and Astronomy	4	Natural Sciences	439	Physics & Astronomy	37

Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	2002| 2308| 3305	Economics and Econometrics| Management, Monitoring, Policy and Law| Geography, Planning and Development	3	Social Sciences & Management	425| 424| 317	Geography| Environmental Sciences| Economics & Econometrics	40| 37| 35
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	2105| 2308| 3305	Renewable Energy, Sustainability and the Environment| Management, Monitoring, Policy and Law| Geography, Planning and Development	3| 2	Social Sciences & Management| Engineering & Technology	221| 425| 424	Engineering - Electrical & Electronic| Geography| Environmental Sciences	40| 37| 36
Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	2102| 2103| 2104| 2105	Energy Engineering and Power Technology| Fuel Technology| Nuclear Energy and Engineering| Renewable Energy, Sustainability and the Environment	2	Engineering & Technology	249| 221	Engineering - Petroleum| Engineering - Electrical & Electronic	36
Efficiency of utilizing building information modeling tools for examining smart materials behavior in a hot climate	2205| 2211| 2213| 2215| 2216	Civil and Structural Engineering| Mechanics of Materials| Safety, Risk, Reliability and Quality| Building and Construction| Architecture	1| 2	Arts & Humanities| Engineering & Technology	249| 106| 220| 433| 222	Engineering - Petroleum| Architecture| Engineering - Civil & Structural| Materials Science| Engineering - Mechanical	36| 33
High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects	2205| 2215| 2216	Civil and Structural Engineering| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	220| 106	Engineering - Civil & Structural| Architecture	33| 36
Life cycle assessment and generative design: development of a national LCA tool for exterior walls	1400| 2205| 2215| 2216	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
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	2205| 2215| 2216	Civil and Structural Engineering| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	106| 220	Architecture| Engineering - Civil & Structural	36| 33
Sustainability-Based Value Engineering Management as an Integrated Approach to Construction Projects	2205| 2215| 2216	Civil and Structural Engineering| Building and Construction| Architecture	2| 1	Engineering & Technology| Arts & Humanities	220| 106	Engineering - Civil & Structural| Architecture	36| 33
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	2101| 2105| 2301| 3305	Energy (miscellaneous)| Renewable Energy, Sustainability and the Environment| Environmental Science (miscellaneous)| Geography, Planning and Development	2| 3	Engineering & Technology| Social Sciences & Management	424| 425| 249| 221	Environmental Sciences| Geography| Engineering - Petroleum| Engineering - Electrical & Electronic	40| 37| 36
Efficient Geospatial Data Analysis Framework in Fog Environment	1700| 2200| 2500	General Computer Science| General Engineering| General Materials Science	2	Engineering & Technology	212| 433	Computer Science & Information Systems| Materials Science	38| 36
Rehabilitation and Exploitation of Heritage Buildings. An Investment Approach: Analytical Comparative Case Study	2105| 2216| 2304	Renewable Energy, Sustainability and the Environment| Architecture| Environmental Chemistry	2| 4| 1	Engineering & Technology| Natural Sciences| Arts & Humanities	424| 106| 221| 249	Environmental Sciences| Architecture| Engineering - Electrical & Electronic| Engineering - Petroleum	37| 33| 36
Artificial intelligence for sustainable waste management and control during and post	1701| 1801| 2001| 2203| 2207| 2606| 3301	Computer Science (miscellaneous)| Decision Sciences (miscellaneous)| Economics, Econometrics and Finance (miscellaneous)| Automotive Engineering| Control and Systems Engineering| Control and Optimization| Social Sciences (miscellaneous)	2| 4| 3	Engineering & Technology| Natural Sciences| Social	317| 212| 431| 213| 222	Economics & Econometrics| Computer Science & Information Systems| Mathematics| Data Science| Engineering - Mechanical	36| 38| 37| 40| 35

COVID-19 crisis: Critical challenges				Sciences & Management			
WASTE REDUCTION IN PIPE INDUSTRY THROUGH LEAN SIX SIGMA IMPLEMENTATION	2311	Waste Management and Disposal	3	Social Sciences & Management	424	Environmental Sciences	37
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	1101| 2402| 2403| 2404	Agricultural and Biological Sciences (miscellaneous)| Applied Microbiology and Biotechnology| Immunology| Microbiology	5	Life Sciences & Medicine	507| 502	Biological Sciences| Agriculture & Forestry	32
SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI-CRITERIA DECISION-MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING	2205| 2215| 2216| 2300| 2305| 2308| 2309| 2739| 3305	Civil and Structural Engineering| Building and Construction| Architecture| General Environmental Science| Environmental Engineering| Management, Monitoring, Policy and Law| Nature and Landscape Conservation| Public Health, Environmental and Occupational Health| Geography, Planning and Development	5| 1| 3| 2	Life Sciences & Medicine| Arts & Humanities| Social Sciences & Management| Engineering & Technology	424| 425| 532| 220| 106	Environmental Sciences| Geography| Medicine| Engineering - Civil & Structural| Architecture	34| 36| 40| 37| 33
Conversion of Fish Waste Oil into Biofuel: An Experimental Study	1305	Biotechnology	5	Life Sciences & Medicine	507	Biological Sciences	32
Green NiFe2O4nano-sorbent construction via Foeniculum vulgare extract for efficient barium ions removal	1606| 2610| 3100	Physical and Theoretical Chemistry| Mathematical Physics| General Physics and Astronomy	4| 2	Natural Sciences| Engineering & Technology	409| 249| 439	Chemistry| Engineering - Petroleum| Physics & Astronomy	37
Big Data Analytics and Its Impact on Corporate Sustainability Disclosure in the Digital Era	1701| 1801| 2001| 2203| 2207| 2606| 3301	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
Predictive modeling of sustainable recycled materials for stone column construction	1909| 2201| 2205| 2215| 2305	Geotechnical Engineering and Engineering Geology| Engineering (miscellaneous)| Civil and Structural Engineering| Building and Construction| Environmental Engineering	2| 4	Engineering & Technology| Natural Sciences	451| 249| 106| 220| 450| 416| 247| 424	Geophysics| Engineering - Petroleum| Architecture| Engineering - Civil & Structural| Geology| Earth & Marine Sciences| Engineering - Mineral & Mining| Environmental Sciences	37| 36
EXPERIMENTAL AND STATIC SIMULATION STUDY FOR ENHANCING WASTEWATER TREATMENT BY ELECTROCOAGULATION USING MAGNETIC FIELDS	2305| 2308| 2310	Environmental Engineering| Management, Monitoring, Policy and Law| Pollution	3| 2	Social Sciences & Management| Engineering & Technology	424	Environmental Sciences	37
Slow-release urea fertilizer fabrication through the incorporation of raw bentonite and gelatin binder	1600| 2500| 2501	General Chemistry| General Materials Science| Materials Science (miscellaneous)	2| 4	Engineering & Technology| Natural Sciences	433| 409	Materials Science| Chemistry	37| 36
Graphical revamping of a delayed coker unit: A case study from an Egyptian refinery	1507	Fluid Flow and Transfer Processes	2	Engineering & Technology	249| 219	Engineering - Petroleum| Engineering - Chemical	36
Sustainable Textile Wastewater Treatment Using Biodegradable	1600| 2500| 2501	General Chemistry| General Materials Science| Materials Science (miscellaneous)	4| 2	Natural Sciences| Engineering & Technology	433| 409	Materials Science| Chemistry	36| 37

Chitosan for High-Efficiency Dye Removal							
Microbial Remediation of some Heavy Metals in Wastewaters of Lake Manzala, Egypt	1104	Aquatic Science	5	Life Sciences & Medicine	502	Agriculture & Forestry	32

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
Conversion of biomass to biofuels and life cycle assessment: a review	Physical Sciences	31| 41| 34	Biological Sciences| Environmental Sciences| Chemical Sciences	-	-	SDG 7| SDG 9| SDG 12| SDG 13
Biochar for agronomy, animal farming, anaerobic digestion, composting, water treatment, soil remediation, construction, energy storage, and carbon sequestration: a review	Physical Sciences	34| 41| 31	Chemical Sciences| Environmental Sciences| Biological Sciences	-	-	SDG 6| SDG 7| SDG 8| SDG 12| SDG 13
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
Plant growth-promoting microorganisms as biocontrol agents of plant diseases: Mechanisms, challenges and future perspectives	Life Sciences	31| 30	Biological Sciences| Agricultural, Veterinary And Food Sciences	3108| 3004	Plant biology| Crop and pasture production	SDG 2| SDG 3| SDG 8| SDG 12
Methods to prepare biosorbents and magnetic sorbents for water treatment: a review	Physical Sciences	31| 41| 34	Biological Sciences| Environmental Sciences| Chemical Sciences	-	-	SDG 6| SDG 7| SDG 12| SDG 14
Membrane Technology for Energy Saving: Principles, Techniques, Applications, Challenges, and Prospects	Engineering| Physical Sciences	-	-	-	-	SDG 6| SDG 7| SDG 9| SDG 12
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
2-Mercaptobenzimidazole derivative of chitosan for silver sorption – Contribution of magnetite incorporation and sonication effects on enhanced metal recovery	Engineering| Physical Sciences	40	Engineering	4011| 4004| 4016	Environmental engineering| Chemical engineering| Materials engineering	SDG 12
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
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
Biomass-to-sustainable biohydrogen: Insights into the production routes, and technical challenges	Engineering| Physical Sciences	-	-	-	-	SDG 7| SDG 12| SDG 13
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
2-Mercaptobenzimidazole-functionalized chitosan for enhanced removal of methylene blue: Batch and column studies	Engineering| Physical Sciences	34| 40	Chemical Sciences| Engineering	3406| 4004| 4011	Physical chemistry| Chemical engineering| Environmental engineering	SDG 6| SDG 12
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
Toward a circular economy: Investigating the effectiveness of different plastic waste management strategies: A comprehensive review	Physical Sciences| Engineering	40| 34	Engineering| Chemical Sciences	4004| 4011| 3406	Chemical engineering| Environmental engineering| Physical chemistry	SDG 12| SDG 13| SDG 14
Biosolids management and utilizations: A review	Business and Economics| Physical Sciences| Engineering	40| 33	Engineering| Built Environment And Design	-	-	SDG 6| SDG 8| SDG 12| SDG 15
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
Dual valorization of coastal biowastes for tetracycline remediation and biomethane production: A composite assisted anaerobic digestion	Medical and Health| Physical Sciences	41| 40| 34	Environmental Sciences| Engineering| Chemical Sciences	-	-	SDG 7| SDG 12| SDG 14
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
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
Green stability indicating organic solvent-free hplc determination of remdesivir in substances and pharmaceutical dosage forms	Engineering| Physical Sciences	34	Chemical Sciences	3401	Analytical chemistry	SDG 3| SDG 12
Integration of active solar cooling technology into passively designed facade in hot climates	Engineering| Arts and Humanities	33| 40	Built Environment And Design| Engineering	3302| 4005	Building| Civil engineering	SDG 7| SDG 12
Exploring the potential of sheep wool as an eco-friendly insulation material: A comprehensive review and analytical ranking	Engineering| Physical Sciences	40| 34	Engineering| Chemical Sciences	3403| 4016	Macromolecular and materials chemistry| Materials engineering	SDG 7| SDG 12| SDG 13
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
Climate anxiety, environmental attitude, and job engagement among nursing university colleagues: a multicenter descriptive study	Medical and Health	42	Health Sciences	4204| 4205	Midwifery| Nursing	SDG 12| SDG 13
Single crystal, Hirshfeld surface and theoretical analysis of methyl 4-hydroxybenzoate, a common cosmetic, drug and food preservative-Experiment versus theory	-	MD	Multidisciplinary	MD	Multidisciplinary	SDG 12
Revitalizing the circular economy: An exploration of e-waste recycling approaches in a technological epoch	Physical Sciences| Engineering	-	-	-	-	SDG 9| SDG 12
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
Impact of COVID-19 lockdown on small-scale farming in Northeastern Nile Delta of Egypt	Engineering	40	Engineering	-	-	SDG 2| SDG 6| SDG 8| SDG 12| SDG 15

and learned lessons for water conservation potentials						
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
Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA	Physical Sciences	31| 41	Biological Sciences| Environmental Sciences	4105| 4104| 3103	Pollution and contamination| Environmental management| Ecology	SDG 2| SDG 3| SDG 6| SDG 8| SDG 12
Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources	Engineering| Arts and Humanities	33| 40	Built Environment And Design| Engineering	3301| 3302| 4005	Architecture| Building| Civil engineering	SDG 7| SDG 12
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
Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings	Arts and Humanities| Engineering	40| 33	Engineering| Built Environment And Design	4005| 3302| 3301	Civil engineering| Building| Architecture	SDG 7| SDG 12
Sustainable Building Optimization Model for Early-Stage Design	Engineering| Arts and Humanities	40| 33	Engineering| Built Environment And Design	4005| 3301| 3302	Civil engineering| Architecture| Building	SDG 7| SDG 12| SDG 13
Predictors of climate change literacy in the era of global boiling: a cross-sectional survey of Egyptian nursing students	Medical and Health	42	Health Sciences	4205| 4204	Nursing| Midwifery	SDG 12| SDG 13
"Valorisation of shredded waste tyres through sequential thermal and catalytic pyrolysis for the production of diesel-like fuel."	Engineering	40	Engineering	-	-	SDG 12
E-learning ecosystem metaphor: building sustainable education for the post-COVID-19 era	Education Studies	39| 46	Education| Information And Computing Sciences	3904| 3903| 4601	Specialist studies in education| Education systems| Applied computing	SDG 4| SDG 12
Nano-integrating green and low-carbon concepts into ideological and political education in higher education institutions through K-means clustering	-	MD	Multidisciplinary	MD	Multidisciplinary	SDG 4| SDG 12| SDG 13
From seashells to sustainable energy: Trailblazing the utilization of Anadara uropigimelana shells for sustainable biohydrogen production from leftover cooking oil	Engineering| Physical Sciences	40| 34	Engineering| Chemical Sciences	3406| 4004| 4011	Physical chemistry| Chemical engineering| Environmental engineering	SDG 7| SDG 12| SDG 13
Bioaerogels from biomass waste: An alternative sustainable approach for wastewater treatment	Life Sciences	31	Biological Sciences	3101	Biochemistry and cell biology	SDG 3| SDG 6| SDG 8| SDG 11| SDG 12| SDG 13
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
Waste Cooking Oil Management in Egypt: Production of Biodiesel-Development of Rapid Test Method	Physical Sciences	51	Physical Sciences	-	-	SDG 7| SDG 12
Sustainable agricultural development under different climate change scenarios for El Moghra region, Western Desert of Egypt	Social Sciences| Physical Sciences| Business and Economics	30| 44| 41	Agricultural, Veterinary And Food Sciences| Human Society| Environmental Sciences	4104| 3002| 4404	Environmental management| Agriculture, land and farm management| Development studies	SDG 2| SDG 6| SDG 8| SDG 12| SDG 13
Developing a holistic green urban meter: An analytical study of global assessment tools for urban sustainability	Social Sciences| Physical Sciences| Engineering	44| 33	Human Society| Built Environment And Design	4404| 3304	Development studies| Urban and regional planning	SDG 11| SDG 12| SDG 13

Life cycle assessments of biofuel production from beach-cast seaweed by pyrolysis and hydrothermal liquefaction	Engineering	40	Engineering	4012| 4008| 4004	Fluid mechanics and thermal engineering| Electrical engineering| Chemical engineering	SDG 7| SDG 9| SDG 12| SDG 13| SDG 14
Efficiency of utilizing building information modeling tools for examining smart materials behavior in a hot climate	Engineering| Arts and Humanities	33| 40	Built Environment And Design| Engineering	3302| 4005	Building| Civil engineering	SDG 4| SDG 7| SDG 8| SDG 12
High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects	Arts and Humanities| Engineering	40| 33	Engineering| Built Environment And Design	3302| 4005| 3301	Building| Civil engineering| Architecture	SDG 7| SDG 12
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
Evaluating BIPV Façades in a Building Envelope in Hot Districts for Enhancing Sustainable Ranking: A Saudi Arabian Perspective	Engineering| Arts and Humanities	33| 40	Built Environment And Design| Engineering	3302| 4005| 3301	Building| Civil engineering| Architecture	SDG 7| SDG 12| SDG 13| SDG 15
Sustainability-Based Value Engineering Management as an Integrated Approach to Construction Projects	Engineering| Arts and Humanities	33| 40	Built Environment And Design| Engineering	3302| 3301| 4005	Building| Architecture| Civil engineering	SDG 4| SDG 12
Advanced chitosan-based composites for sustainable removal of Congo red from textile wastewater	Social Sciences| Physical Sciences| Engineering	-	-	-	-	SDG 6| SDG 9| SDG 12
Efficient Geospatial Data Analysis Framework in Fog Environment	Computer Science| Engineering	46| 40	Information And Computing Sciences| Engineering	-	-	SDG 12
Rehabilitation and Exploitation of Heritage Buildings. An Investment Approach: Analytical Comparative Case Study	Physical Sciences| Arts and Humanities| Engineering	41| 37| 33	Environmental Sciences| Earth Sciences| Built Environment And Design	3301| 4105| 3709	Architecture| Pollution and contamination| Physical geography and environmental geoscience	SDG 11| SDG 12
Artificial intelligence for sustainable waste management and control during and post COVID-19 crisis: Critical challenges	Engineering| Computer Science| Physical Sciences| Social Sciences| Business and Economics	49| 40	Mathematical Sciences| Engineering	4006| 4007| 4901	Communications engineering| Control engineering, mechatronics and robotics| Applied mathematics	SDG 11| SDG 12| SDG 16
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
Oleaginous fungi as a sustainable source for biodiesel production: Current and future prospect	Life Sciences	-	-	-	-	SDG 7| SDG 12| SDG 13
SM-BIM: A NEW CONCEPTUAL FRAMEWORK FOR MULTI-CRITERIA DECISION-MAKING PROCESS BASED ON SMART MATERIALS AND BUILDING INFORMATION MODELING	Medical and Health| Engineering| Social Sciences| Physical Sciences| Arts and Humanities	33	Built Environment And Design	3302| 3301	Building| Architecture	SDG 4| SDG 7| SDG 8| SDG 12
Conversion of Fish Waste Oil into Biofuel: An Experimental Study	Life Sciences	-	-	-	-	SDG 7| SDG 12| SDG 14
Green NiFe2O4nano-sorbent construction via Foeniculum vulgare extract for efficient barium ions removal	Physical Sciences	51| 34	Physical Sciences| Chemical Sciences	5104| 3406| 3402	Condensed matter physics| Physical chemistry| Inorganic chemistry	SDG 12
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
Predictive modeling of sustainable recycled materials for stone column construction	Physical Sciences| Engineering	40| 37	Engineering| Earth Sciences	-	-	SDG 12| SDG 13
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
Slow-release urea fertilizer fabrication through the incorporation of raw bentonite and gelatin binder	Physical Sciences| Engineering	32| 40| 34	Biomedical And Clinical Sciences| Engineering| Chemical Sciences	3405| 4004| 3214	Organic chemistry| Chemical engineering| Pharmacology and pharmaceutical sciences	SDG 2| SDG 8| SDG 12
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
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

Microbial Remediation of some Heavy Metals in Wastewaters of Lake Manzala, Egypt	Life Sciences	30 | 31 | 41	Agricultural, Veterinary And Food Sciences | Biological Sciences | Environmental Sciences	3005 | 4104 | 3109	Fisheries sciences | Environmental management | Zoology	SDG 3 | SDG 6 | SDG 12 | SDG 15