Data Set	Publications at Port Said University								
Year Range	2019 to 2023								
Subject Classification	ASJC								
Filtered By	not filtered								
Types Of Publications Included	All publication types								
Self-Citations	-								
Data Source	Scopus								
Date Last Updated	13 November 2024								
Date Exported	24 November 2024								
300 Publications									
Title	Authors	Year	Scopus Source title	Citations	Field-Weighted Citation Impact	Reference	Abstract	DOI	EID
Recent advances in carbon capture storage and utilisation technologies: a review	Osman, A.I.| Hefny, M.| Abdel Maksoud, M.I.A.| Elgarahy, A.M.| Rooney, D.W.	2021	Environmental Chemistry Letters	481	6.96	Osman, A.I., Hefny, M., Abdel Maksoud, M.I.A. and 2 more (...) (2021).Recent advances in carbon capture storage and utilisation technologies: a review. Environmental Chemistry Letters,19(2) 797-849	https://www.scopus.com/record/display.url?eid=2-s2.0-85096378435&origin=resultslist	10.1007/s10311-020-01133-3	2-s2.0-85096378435
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.	2022	Environmental Chemistry Letters	423	10.46	Osman, A.I., Mehta, N., Elgarahy, A.M. and 4 more (...) (2022).Hydrogen production, storage, utilisation and environmental impacts: a review. Environmental Chemistry Letters,20(1) 153-188	https://www.scopus.com/record/display.url?eid=2-s2.0-85116501469&origin=resultslist	10.1007/s10311-021-01322-8	2-s2.0-85116501469

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.	2021	Environmental Chemistry Letters	368	5.32	Osman, A.I., Mehta, N., Elgarahy, A.M. and 3 more (...) (2021).Conversion of biomass to biofuels and life cycle assessment: a review. Environmental Chemistry Letters,19(6) 4075-4118	https://www.scopus.com/record/display.url?eid=2-s2.0-85111111734&origin=resultslist	10.1007/s10311-021-01273-0	2-s2.0-85111111734
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.	2022	Environmental Chemistry Letters	238	5.9	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	https://www.scopus.com/record/display.url?eid=2-s2.0-85129487821&origin=resultslist	10.1007/s10311-022-01424-x	2-s2.0-85129487821
Algal biofuels: Current status and key challenges	Saad, M.G.| Dosoky, N.S.| Zoromba, M.S.| Shafik, H.M.	2019	Energies	152	7.27	Saad, M.G., Dosoky, N.S., Zoromba, M.S. and 1 more (...) (2019).Algal biofuels: Current status and key challenges. Energies,12(10)	https://www.scopus.com/record/display.url?eid=2-s2.0-85066743824&origin=resultslist	10.3390/en12101920	2-s2.0-85066743824
Performance of PV panel coupled with geothermal air cooling system subjected to hot climatic	Elminshawy, N.A.S.| Mohamed, A.M.I.| Morad, K.| Elhenawy, Y.| Alrobaian, A.A.	2019	Applied Thermal Engineering	117	6.15	Elminshawy, N.A.S., Mohamed, A.M.I., Morad, K. and 2 more (...) (2019).Performance of PV panel coupled with geothermal air cooling system subjected to hot climatic. Applied Thermal Engineering,1481-9	https://www.scopus.com/record/display.url?eid=2-s2.0-85056225988&origin=resultslist	10.1016/j.applthermaleng.2018.11.027	2-s2.0-85056225988

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.	2023	Environmental Chemistry Letters	106	5.5	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	https://www.scopus.com/record/display.uri?eid=2-s2.0-85158063989&origin=resultslist	10.1007/s10311-023-01603-4	2-s2.0-85158063989
An Optimized Hybrid Fractional Order Controller for Frequency Regulation in Multi-Area Power Systems	Mohamed, E.A.| Ahmed, E.M.| Elmelegi, A.| Aly, M.| Elbaksawi, O.| Mohamed, A.-A.A.	2020	IEEE Access	91	5.61	Mohamed, E.A., Ahmed, E.M., Elmelegi, A. and 3 more (...) (2020).An Optimized Hybrid Fractional Order Controller for Frequency Regulation in Multi-Area Power Systems. IEEE Access,8213899-213915	https://www.scopus.com/record/display.uri?eid=2-s2.0-85097189567&origin=resultslist	10.1109/ACCESS.2020.3040620	2-s2.0-85097189567
Winglet design for vertical axis wind turbines based on a design of experiment and CFD approach	Zhang, T.-T.| Elsakka, M.| Huang, W.| Wang, Z.-G.| Ingham, D.B.| Ma, L.| Pourkashanian, M.	2019	Energy Conversion and Management	91	3.9	Zhang, T.-T., Elsakka, M., Huang, W. and 4 more (...) (2019).Winglet design for vertical axis wind turbines based on a design of experiment and CFD approach. Energy Conversion and Management,195712-726	https://www.scopus.com/record/display.uri?eid=2-s2.0-85065927624&origin=resultslist	10.1016/j.enconman.2019.05.055	2-s2.0-85065927624
CFD analysis of the angle of attack for a vertical axis wind turbine blade	Elsakka, M.M.| Ingham, D.B.| Ma, L.| Pourkashanian, M.	2019	Energy Conversion and Management	90	3.97	Elsakka, M.M., Ingham, D.B., Ma, L. and 1 more (...) (2019).CFD analysis of the angle of attack for a vertical axis wind turbine blade. Energy Conversion and Management,182154-165	https://www.scopus.com/record/display.uri?eid=2-s2.0-85059425965&origin=resultslist	10.1016/j.enconman.2018.12.054	2-s2.0-85059425965

Thermochemical conversion strategies of biomass to biofuels, techno-economic and bibliometric analysis: A conceptual review	Elgarahy, A.M.| Hammad, A.| El-Sherif, D.M.| Abouzid, M.| Gaballah, M.S.| Elwakeel, K.Z.	2021	Journal of Environmental Chemical Engineering	90	2.41	Elgarahy, A.M., Hammad, A., El-Sherif, D.M. and 3 more (...) (2021).Thermochemical conversion strategies of biomass to biofuels, techno-economic and bibliometric analysis: A conceptual review. Journal of Environmental Chemical Engineering,9(6)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85116900190&origin=resultslist	10.1016/j.jece.2021.106503	2-s2.0-85116900190
Use of nanofluids in solar PV/thermal systems	Ahmed, A.| Baig, H.| Sundaram, S.| Mallick, T.K.	2019	International Journal of Photoenergy	84	0.99	Ahmed, A., Baig, H., Sundaram, S. and 1 more (...) (2019).Use of nanofluids in solar PV/thermal systems. International Journal of Photoenergy,2019	https://www.scopus.com/record/display.uri?eid=2-s2.0-85079219563&origin=resultslist	10.1155/2019/8039129	2-s2.0-85079219563
An Adaptive D-FACTS for Power Quality Enhancement in an Isolated Microgrid	Elmetwaly, A.H.| Eldesouky, A.A.| Sallam, A.A.	2020	IEEE Access	81	4.74	Elmetwaly, A.H., Eldesouky, A.A., Sallam, A.A. (2020).An Adaptive D-FACTS for Power Quality Enhancement in an Isolated Microgrid. IEEE Access,857923-57942	https://www.scopus.com/record/display.uri?eid=2-s2.0-85082933320&origin=resultslist	10.1109/ACCESS.2020.2981444	2-s2.0-85082933320
Design and fabrication of Fe2O3/FeP heterostructure for oxygen evolution reaction electrocatalysis	Ahmad, I.| Ahmed, J.| Batool, S.| Zafar, M.N.| Hanif, A.| Zahidullah| Nazar, M.F.| Ul-Hamid, A.| Jabeen, U.| Dahshan, A.| Idrees, M.| Shehzadi, S.A.	2022	Journal of Alloys and Compounds	81	9.26	Ahmad, I., Ahmed, J., Batool, S. and 9 more (...) (2022).Design and fabrication of Fe2O3/FeP heterostructure for oxygen evolution reaction electrocatalysis. Journal of Alloys and Compounds,894	https://www.scopus.com/record/display.uri?eid=2-s2.0-85117880216&origin=resultslist	10.1016/j.jallcom.2021.162409	2-s2.0-85117880216

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.	2023	Environmental Chemistry Letters	78	4.05	Osman, A.I., Farghali, M., Ihara, I. and 11 more (...) (2023).Materials, fuels, upgrading, economy, and life cycle assessment of the pyrolysis of algal and lignocellulosic biomass: a review. Environmental Chemistry Letters,21(3) 1419-1476	https://www.scopus.com/record/display.url?eid=2-s2.0-85148615526&origin=resultslist	10.1007/s10311-023-01573-7	2-s2.0-85148615526
Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview	Elgarahy, A.M.| Elwakeel, K.Z.| Akhdhar, A.| Hamza, M.F.	2021	Nanotechnology for Environmental Engineering	77	1.52	Elgarahy, A.M., Elwakeel, K.Z., Akhdhar, A. and 1 more (...) (2021).Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview. Nanotechnology for Environmental Engineering,6(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85101080018&origin=resultslist	10.1007/s41204-021-00104-5	2-s2.0-85101080018
Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems	Ahmed, E.M.| Mohamed, E.A.| Elmelegi, A.| Aly, M.| Elbaksawi, O.	2021	IEEE Access	66	5.26	Ahmed, E.M., Mohamed, E.A., Elmelegi, A. and 2 more (...) (2021).Optimum Modified Fractional Order Controller for Future Electric Vehicles and Renewable Energy-Based Interconnected Power Systems. IEEE Access,929993-30010	https://www.scopus.com/record/display.url?eid=2-s2.0-85100835050&origin=resultslist	10.1109/ACCESS.2021.3058521	2-s2.0-85100835050
Petrographic and diagenetic study of siliciclastic Jurassic sediments from the northeastern margin of Africa: Implication for reservoir quality	Kassem, A.A.| Hussein, W.S.| Radwan, A.E.| Anani, N.| Abioui, M.| Jain, S.| Shehata, A.A.	2021	Journal of Petroleum Science and Engineering	62	4.66	Kassem, A.A., Hussein, W.S., Radwan, A.E. and 4 more (...) (2021).Petrographic and diagenetic study of siliciclastic Jurassic sediments from the northeastern margin of Africa: Implication for reservoir quality. Journal of Petroleum Science and Engineering,200	https://www.scopus.com/record/display.url?eid=2-s2.0-85099389588&origin=resultslist	10.1016/j.petrol.2020.108340	2-s2.0-85099389588

Facies analysis and sequence-stratigraphic control on reservoir architecture: Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt	Shehata, A.A.| Kassem, A.A.| Brooks, H.L.| Zuchuat, V.| Radwan, A.E.	2021	Marine and Petroleum Geology	62	6.72	Shehata, A.A., Kassem, A.A., Brooks, H.L. and 2 more (...) (2021).Facies analysis and sequence-stratigraphic control on reservoir architecture: Example from mixed carbonate/siliciclastic sediments of Raha Formation, Gulf of Suez, Egypt. Marine and Petroleum Geology,131	https://www.scopus.com/record/display.url?eid=2-s2.0-85108308043&origin=resultslist	10.1016/j.marpetgeo.2021.105160	2-s2.0-85108308043
Doped-poly (para-nitroaniline- co-aniline): Synthesis, semiconductor characteristics, density, functional theory and photoelectric properties	Al-Hossainy, A.F.| Zoromba, M.S.	2019	Journal of Alloys and Compounds	61	4.53	Al-Hossainy, A.F., Zoromba, M.S. (2019).Doped-poly (para-nitroaniline- co-aniline): Synthesis, semiconductor characteristics, density, functional theory and photoelectric properties. Journal of Alloys and Compounds,789670-683	https://www.scopus.com/record/display.url?eid=2-s2.0-85062690816&origin=resultslist	10.1016/j.jallcom.2019.03.118	2-s2.0-85062690816
Biofuel production, hydrogen production and water remediation by photocatalysis, biocatalysis and electrocatalysis	Osman, A.I.| Elgarahy, A.M.| Eltaweil, A.S.| Abd El-Monaem, E.M.| El-Aqapa, H.G.| Park, Y.| Hwang, Y.| Ayati, A.| Farghali, M.| Ihara, I.| Al-Muhtaseb, A.H.| Rooney, D.W.| Yap, P.-S.| Sillanpää, M.	2023	Environmental Chemistry Letters	61	3.16	Osman, A.I., Elgarahy, A.M., Eltaweil, A.S. and 11 more (...) (2023).Biofuel production, hydrogen production and water remediation by photocatalysis, biocatalysis and electrocatalysis. Environmental Chemistry Letters,21(3) 1315-1379	https://www.scopus.com/record/display.url?eid=2-s2.0-85149474869&origin=resultslist	10.1007/s10311-023-01581-7	2-s2.0-85149474869
Review on energy storage systems in microgrids	Georgious, R.| Refaat, R.| Garcia, J.| Daoud, A.A.	2021	Electronics (Switzerland)	57	1.59	Georgious, R., Refaat, R., Garcia, J. and 1 more (...) (2021).Review on energy storage systems in microgrids. Electronics (Switzerland),10(17)	https://www.scopus.com/record/display.url?eid=2-s2.0-85141069633&origin=resultslist	10.3390/electronics10172134	2-s2.0-85141069633

Synthesis, characterization and DFT molecular modeling of doped poly (para-nitroaniline-co-para-toluidine) thin film for optoelectronic devices applications	Abd-Elmageed, A.A.I.| Al-Hossainy, A.F.| Fawzy, E.M.| Almutlaq, N.| Eid, M.R.| Bourezgui, A.| Abdel-Hamid, S.M.S.| Elsharkawy, N.B.| Zwawi, M.| Abdel-Aziz, M.H.| Bassyouni, M.| Slimane, A.B.| Zoromba, M.S.	2020	Optical Materials	55	4.28	Abd-Elmageed, A.A.I., Al-Hossainy, A.F., Fawzy, E.M. and 10 more (...) (2020).Synthesis, characterization and DFT molecular modeling of doped poly (para-nitroaniline-co-para-toluidine) thin film for optoelectronic devices applications. Optical Materials,99	https://www.scopus.com/record/display.url?eid=2-s2.0-85075926984&origin=resultslist	10.1016/j.optmat.2019.109593	2-s2.0-85075926984
Optimal economic dispatch for multi heat-electric energy source power system	Eladl, A.A.| ElDesouky, A.A.	2019	International Journal of Electrical Power and Energy Systems	55	2.44	Eladl, A.A., ElDesouky, A.A. (2019).Optimal economic dispatch for multi heat-electric energy source power system. International Journal of Electrical Power and Energy Systems,11021-35	https://www.scopus.com/record/display.url?eid=2-s2.0-85062355943&origin=resultslist	10.1016/j.ijepes.2019.02.040	2-s2.0-85062355943
Enhanced electrochemical activity of Co3O4/Co9S8 heterostructure catalyst for water splitting	Khan, N.A.| Ahmad, I.| Rashid, N.| Zafar, M.N.| Shehzad, F.K.| ullah, Z.| Ul-Hamid, A.| Nazar, M.F.| Junaid, M.| Faheem, M.| Shafqat, S.S.| Jabeen, U.| Dahshan, A.	2022	International Journal of Hydrogen Energy	55	5.14	Khan, N.A., Ahmad, I., Rashid, N. and 10 more (...) (2022).Enhanced electrochemical activity of Co3O4/Co9S8 heterostructure catalyst for water splitting. International Journal of Hydrogen Energy,47(72) 30970-30980	https://www.scopus.com/record/display.url?eid=2-s2.0-85120795890&origin=resultslist	10.1016/j.ijhydene.2021.11.124	2-s2.0-85120795890
Comprehensive investigation of Opto-electronic and transport properties of Cs2ScAgX6 (X = Cl, Br, I) for solar cells and thermoelectric applications	Aslam Khan, M.| Alburaih, H.A.| Noor, N.A.| Dahshan, A.	2021	Solar Energy	54	2.56	Aslam Khan, M., Alburaih, H.A., Noor, N.A. and 1 more (...) (2021).Comprehensive investigation of Opto-electronic and transport properties of Cs2ScAgX6 (X = Cl, Br, I) for solar cells and thermoelectric applications. Solar Energy,225122-128	https://www.scopus.com/record/display.url?eid=2-s2.0-85110758564&origin=resultslist	10.1016/j.solener.2021.07.026	2-s2.0-85110758564

Doped poly (o-phenylenediamine -co- p-toluidine) fibers for polymer solar cells applications	Zoromba, M.S.| Al-Hossainy, A.F.	2020	Solar Energy	51	2.36	Zoromba, M.S., Al-Hossainy, A.F. (2020).Doped poly (o-phenylenediamine -co- p-toluidine) fibers for polymer solar cells applications. Solar Energy,195194-209	https://www.scopus.com/record/display.url?eid=2-s2.0-85075499518&origin=resultslist	10.1016/j.solener.2019.11.064	2-s2.0-85075499518
The performance of a buried heat exchanger system for PV panel cooling under elevated air temperatures	Elminshawy, N.A.S.| El Ghandour, M.| Gad, H.M.| El-Damhogi, D.G.| El-Nahhas, K.| Addas, M.F.	2019	Geothermics	50	2.52	Elminshawy, N.A.S., El Ghandour, M., Gad, H.M. and 3 more (...) (2019).The performance of a buried heat exchanger system for PV panel cooling under elevated air temperatures. Geothermics,827-15	https://www.scopus.com/record/display.url?eid=2-s2.0-85066029902&origin=resultslist	10.1016/j.geothermics.2019.05.012	2-s2.0-85066029902
Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors	Marni Sandid, A.| Bassyouni, M.| Nehari, D.| Elhenawy, Y.	2021	Energy Conversion and Management	50	3.47	Marni Sandid, A., Bassyouni, M., Nehari, D. and 1 more (...) (2021).Experimental and simulation study of multichannel air gap membrane distillation process with two types of solar collectors. Energy Conversion and Management,243	https://www.scopus.com/record/display.url?eid=2-s2.0-85108903443&origin=resultslist	10.1016/j.enconman.2021.114431	2-s2.0-85108903443
A novel concentrated photovoltaic-driven membrane distillation hybrid system for the simultaneous production of electricity and potable water	Elminshawy, N.A.S.| Gadalla, M.A.| Bassyouni, M.| El-Nahhas, K.| Elminshawy, A.| Elhenawy, Y.	2020	Renewable Energy	49	1.66	Elminshawy, N.A.S., Gadalla, M.A., Bassyouni, M. and 3 more (...) (2020).A novel concentrated photovoltaic-driven membrane distillation hybrid system for the simultaneous production of electricity and potable water. Renewable Energy,162802-817	https://www.scopus.com/record/display.url?eid=2-s2.0-85089946938&origin=resultslist	10.1016/j.renene.2020.08.041	2-s2.0-85089946938

Fabrication of heterojunction diode using doped-poly (ortho-aminophenol) for solar cells applications	Al-Hossainy, A.F.| Zoromba, M.S.| Abdel-Aziz, M.H.| Bassyouni, M.| Attar, A.| Zwawi, M.| Abd-Elmageed, A.A.I.| Maddah, H.A.| Ben Slimane, A.	2019	Physica B: Condensed Matter	49	3.66	Al-Hossainy, A.F., Zoromba, M.S., Abdel-Aziz, M.H. and 6 more (...) (2019).Fabrication of heterojunction diode using doped-poly (ortho-aminophenol) for solar cells applications. Physica B: Condensed Matter,5666-16	https://www.scopus.com/record/display.url?eid=2-s2.0-85065788423&origin=resultslist	10.1016/j.physb.2019.04.030	2-s2.0-85065788423
Performance evaluation of single multi-junction solar cell for high concentrator photovoltaics using minichannel heat sink with nanofluids	Ahmed, A.| Zhang, G.| Shanks, K.| Sundaram, S.| Ding, Y.| Mallick, T.	2021	Applied Thermal Engineering	49	2.97	Ahmed, A., Zhang, G., Shanks, K. and 3 more (...) (2021).Performance evaluation of single multi-junction solar cell for high concentrator photovoltaics using minichannel heat sink with nanofluids. Applied Thermal Engineering,182	https://www.scopus.com/record/display.url?eid=2-s2.0-85091625789&origin=resultslist	10.1016/j.applthermaleng.2020.115868	2-s2.0-85091625789
Neural network application to petrophysical and lithofacies analysis based on multi-scale data: An integrated study using conventional well log, core and borehole image data	Shehata, A.A.| Osman, O.A.| Nabawy, B.S.	2021	Journal of Natural Gas Science and Engineering	48	3.45	Shehata, A.A., Osman, O.A., Nabawy, B.S. (2021).Neural network application to petrophysical and lithofacies analysis based on multi-scale data: An integrated study using conventional well log, core and borehole image data. Journal of Natural Gas Science and Engineering,93	https://www.scopus.com/record/display.url?eid=2-s2.0-85107081207&origin=resultslist	10.1016/j.jngse.2021.104015	2-s2.0-85107081207
Emerging 2D-Nanostructured materials for electrochemical and sensing Application-A review	Noreen, S.| Tahir, M.B.| Hussain, A.| Nawaz, T.| Rehman, J.U.| Dahshan, A.| Alzaid, M.| Alrobei, H.	2022	International Journal of Hydrogen Energy	47	1.61	Noreen, S., Tahir, M.B., Hussain, A. and 5 more (...) (2022).Emerging 2D-Nanostructured materials for electrochemical and sensing Application-A review. International Journal of Hydrogen Energy,47(2) 1371-1389	https://www.scopus.com/record/display.url?eid=2-s2.0-85118535422&origin=resultslist	10.1016/j.ijhydene.2021.10.044	2-s2.0-85118535422

Diagenetic overprint on porosity and permeability of a combined conventional-unconventional reservoir: Insights from the Eocene pelagic limestones, Gulf of Suez, Egypt	Radwan, A.E.| Husinec, A.| Benjumea, B.| Kassem, A.A.| El Aal, A.A.| Hakimi, M.H.| Thanh, H.V.| Abdel-Fattah, M.I.| Shehata, A.A.	2022	Marine and Petroleum Geology	46	7.77	Radwan, A.E., Husinec, A., Benjumea, B. and 6 more (...) (2022).Diagenetic overprint on porosity and permeability of a combined conventional-unconventional reservoir: Insights from the Eocene pelagic limestones, Gulf of Suez, Egypt. Marine and Petroleum Geology,146	https://www.scopus.com/record/display.url?eid=2-s2.0-85140716975&origin=resultslist	10.1016/j.marpetgeo.2022.105967	2-s2.0-85140716975
Synthesis and characterization of Co-Al mixed oxide nanoparticles via thermal decomposition route of layered double hydroxide	Abdel-Aziz, M.H.| Zoromba, M.S.| Bassyouni, M.| Zwawi, M.| Alshehri, A.A.| Al-Hossainy, A.F.	2020	Journal of Molecular Structure	45	3.35	Abdel-Aziz, M.H., Zoromba, M.S., Bassyouni, M. and 3 more (...) (2020).Synthesis and characterization of Co-Al mixed oxide nanoparticles via thermal decomposition route of layered double hydroxide. Journal of Molecular Structure,1206	https://www.scopus.com/record/display.url?eid=2-s2.0-85077474743&origin=resultslist	10.1016/j.molstruc.2020.127679	2-s2.0-85077474743
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.	2023	Environmental Chemistry Letters	45	2.33	Osman, A.I., Lai, Z.Y., Farghali, M. and 7 more (...) (2023).Optimizing biomass pathways to bioenergy and biochar application in electricity generation, biodiesel production, and biohydrogen production. Environmental Chemistry Letters,21(5) 2639-2705	https://www.scopus.com/record/display.url?eid=2-s2.0-85163691782&origin=resultslist	10.1007/s10311-023-01613-2	2-s2.0-85163691782
Efficient fractional-order modified Harris hawks optimizer for proton exchange membrane fuel cell modeling	Yousri, D.| Mirjalili, S.| Machado, J.A.T.| Thanikanti, S.B.| elbaksawi, O.| Fathy, A.	2021	Engineering Applications of Artificial Intelligence	44	2.73	Yousri, D., Mirjalili, S., Machado, J.A.T. and 3 more (...) (2021).Efficient fractional-order modified Harris hawks optimizer for proton exchange membrane fuel cell modeling. Engineering Applications of Artificial Intelligence,100	https://www.scopus.com/record/display.url?eid=2-s2.0-85101228573&origin=resultslist	10.1016/j.engappai.2021.104193	2-s2.0-85101228573

Density functional theory for investigation of optical and spectroscopic properties of zinc-quinonoid complexes as semiconductor materials	Al-Hossainy, A.F.| Zoromba, M.S.| El-Gammal, O.A.| El-Dossoki, F.I.	2019	Structural Chemistry	44	3.14	Al-Hossainy, A.F., Zoromba, M.S., El-Gammal, O.A. and 1 more (...) (2019).Density functional theory for investigation of optical and spectroscopic properties of zinc-quinonoid complexes as semiconductor materials. Structural Chemistry,30(4) 1365-1380	https://www.scopus.com/record/display.uri?eid=2-s2.0-85061230203&origin=resultslist	10.1007/s11224-019-1289-3	2-s2.0-85061230203
Performance enhancement of concentrator photovoltaic systems using nanofluids	Elminshawy, A.| Morad, K.| Elminshawy, N.A.S.| Elhenawy, Y.	2021	International Journal of Energy Research	44	3.05	Elminshawy, A., Morad, K., Elminshawy, N.A.S. and 1 more (...) (2021).Performance enhancement of concentrator photovoltaic systems using nanofluids. International Journal of Energy Research,45(2) 2959-2979	https://www.scopus.com/record/display.uri?eid=2-s2.0-85091177319&origin=resultslist	10.1002/er.5991	2-s2.0-85091177319
Microfacies analysis and reservoir discrimination of channelized carbonate platform systems: An example from the Turonian Wata Formation, Gulf of Suez, Egypt	Kassem, A.A.| Osman, O.A.| Nabawy, B.S.| Baghdady, A.R.| Shehata, A.A.	2022	Journal of Petroleum Science and Engineering	43	4.62	Kassem, A.A., Osman, O.A., Nabawy, B.S. and 2 more (...) (2022).Microfacies analysis and reservoir discrimination of channelized carbonate platform systems: An example from the Turonian Wata Formation, Gulf of Suez, Egypt. Journal of Petroleum Science and Engineering,212	https://www.scopus.com/record/display.uri?eid=2-s2.0-85124267384&origin=resultslist	10.1016/j.petrol.2022.110272	2-s2.0-85124267384
Polymer solar cell based on doped o-anthranilic acid and o-aminophenol copolymer	Zoromba, M.S.| Tashkandi, M.A.| Alshehri, A.A.| Abdel-Aziz, M.H.| Bassyouni, M.| Mahmoud, S.A.| Ben Slimane, A.| Al-Hossainy, A.F.	2020	Optical Materials	42	3.29	Zoromba, M.S., Tashkandi, M.A., Alshehri, A.A. and 5 more (...) (2020).Polymer solar cell based on doped o-anthranilic acid and o-aminophenol copolymer. Optical Materials,104	https://www.scopus.com/record/display.uri?eid=2-s2.0-85084066724&origin=resultslist	10.1016/j.optmat.2020.109947	2-s2.0-85084066724

Experimental investigation of a V-trough PV concentrator integrated with a buried water heat exchanger cooling system	Elminshawy, N.A.S.| El-Ghandour, M.| Elhenawy, Y.| Bassyouni, M.| El-Damhogi, D.G.| Addas, M.F.	2019	Solar Energy	42	1.33	Elminshawy, N.A.S., El-Ghandour, M., Elhenawy, Y. and 3 more (...) (2019).Experimental investigation of a V-trough PV concentrator integrated with a buried water heat exchanger cooling system. Solar Energy,193706-714	https://www.scopus.com/record/display.uri?eid=2-s2.0-85073241903&origin=resultslist	10.1016/j.solener.2019.10.013	2-s2.0-85073241903
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.	2023	Environmental Research	40	3.83	Elgarahy, A.M., Eloffy, M.G., Alengebawy, A. and 4 more (...) (2023).Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review. Environmental Research,225	https://www.scopus.com/record/display.uri?eid=2-s2.0-85149284328&origin=resultslist	10.1016/j.envres.2023.115558	2-s2.0-85149284328
Simulation and experimental performance analysis of partially floating PV system in windy conditions	Elminshawy, N.A.S.| Osama, A.| El-Damhogi, D.G.| Oterkus, E.| Mohamed, A.M.I.	2021	Solar Energy	40	1.99	Elminshawy, N.A.S., Osama, A., El-Damhogi, D.G. and 2 more (...) (2021).Simulation and experimental performance analysis of partially floating PV system in windy conditions. Solar Energy,2301106-1121	https://www.scopus.com/record/display.uri?eid=2-s2.0-85119325714&origin=resultslist	10.1016/j.solener.2021.11.020	2-s2.0-85119325714
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.	2023	Environmental Research	40	7.88	Elgarahy, A.M., Maged, A., Elwakeel, K.Z. and 2 more (...) (2023).Tuning cationic/anionic dyes sorption from aqueous solution onto green algal biomass for biohydrogen production. Environmental Research,216	https://www.scopus.com/record/display.uri?eid=2-s2.0-85141223489&origin=resultslist	10.1016/j.envres.2022.114522	2-s2.0-85141223489

Advanced process integration for supercritical production of biodiesel: Residual waste heat recovery via organic Rankine cycle (ORC)	Aboelazayem, O.| Gadalla, M.| Alhajri, I.| Saha, B.	2021	Renewable Energy	39	1.71	Aboelazayem, O., Gadalla, M., Alhajri, I. and 1 more (...) (2021).Advanced process integration for supercritical production of biodiesel: Residual waste heat recovery via organic Rankine cycle (ORC). Renewable Energy,164433-443	https://www.scopus.com/record/display.uri?eid=2-s2.0-85091575033&origin=resultslist	10.1016/j.renene.2020.09.058	2-s2.0-85091575033
Synthesis and potential applications of cyclodextrin-based metal–organic frameworks: a review	Xu, Y.| Rashwan, A.K.| Osman, A.I.| Abd El-Monaem, E.M.| Elgarahy, A.M.| Eltaweil, A.S.| Omar, M.| Li, Y.| Mehanni, A.-H.E.| Chen, W.| Rooney, D.W.	2023	Environmental Chemistry Letters	39	2.02	Xu, Y., Rashwan, A.K., Osman, A.I. and 8 more (...) (2023).Synthesis and potential applications of cyclodextrin-based metal–organic frameworks: a review. Environmental Chemistry Letters,21(1) 447-477	https://www.scopus.com/record/display.uri?eid=2-s2.0-85138227423&origin=resultslist	10.1007/s10311-022-01509-7	2-s2.0-85138227423
A novel metaheuristic MPPT technique based on enhanced autonomous group Particle Swarm Optimization Algorithm to track the GMPP under partial shading conditions - Experimental validation	Refaat, A.| Khalifa, A.-E.| Elsakka, M.M.| Elhenawy, Y.| Kalas, A.| Elfar, M.H.	2023	Energy Conversion and Management	37	6.88	Refaat, A., Khalifa, A.-E., Elsakka, M.M. and 3 more (...) (2023).A novel metaheuristic MPPT technique based on enhanced autonomous group Particle Swarm Optimization Algorithm to track the GMPP under partial shading conditions - Experimental validation. Energy Conversion and Management,287	https://www.scopus.com/record/display.uri?eid=2-s2.0-85158030530&origin=resultslist	10.1016/j.enconman.2023.117124	2-s2.0-85158030530
Assessment of floating photovoltaic productivity with fins-assisted passive cooling	Elminshawy, N.A.S.| El-Damhogi, D.G.| Ibrahim, I.A.| Elminshawy, A.| Osama, A.	2022	Applied Energy	36	3.27	Elminshawy, N.A.S., El-Damhogi, D.G., Ibrahim, I.A. and 2 more (...) (2022).Assessment of floating photovoltaic productivity with fins-assisted passive cooling. Applied Energy,325	https://www.scopus.com/record/display.uri?eid=2-s2.0-85135962083&origin=resultslist	10.1016/j.apenergy.2022.119810	2-s2.0-85135962083

One-pot conversion of highly acidic waste cooking oil into biodiesel over a novel bio-based bi-functional catalyst	Naeem, M.M.| Al-Sakkari, E.G.| Boffito, D.C.| Gadalla, M.A.| Ashour, F.H.	2021	Fuel	35	2.5	Naeem, M.M., Al-Sakkari, E.G., Boffito, D.C. and 2 more (...) (2021).One-pot conversion of highly acidic waste cooking oil into biodiesel over a novel bio-based bi-functional catalyst. Fuel,283	https://www.scopus.com/record/display.uri?eid=2-s2.0-85089477007&origin=resultslist	10.1016/j.fuel.2020.118914	2-s2.0-85089477007
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.	2022	Chemical Engineering Journal Advances	34	1.06	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	https://www.scopus.com/record/display.uri?eid=2-s2.0-85139373351&origin=resultslist	10.1016/j.ceja.2022.100410	2-s2.0-85139373351
Design and performance a novel hybrid membrane distillation/humidification–dehumidification system	Elhenawy, Y.| Fouad, K.| Bassyouni, M.| Majozi, T.	2023	Energy Conversion and Management	34	6.32	Elhenawy, Y., Fouad, K., Bassyouni, M. and 1 more (...) (2023).Design and performance a novel hybrid membrane distillation/humidification–dehumidification system. Energy Conversion and Management,286	https://www.scopus.com/record/display.uri?eid=2-s2.0-85153602253&origin=resultslist	10.1016/j.enconman.2023.117039	2-s2.0-85153602253
Facile synthesis of spin-coated poly (4-nitroaniline) thin film: Structural and optical properties	Abed-Elmageed, A.A.I.| Zoromba, M.S.| Hassanien, R.| Al-Hossainy, A.F.	2020	Optical Materials	33	1.97	Abed-Elmageed, A.A.I., Zoromba, M.S., Hassanien, R. and 1 more (...) (2020).Facile synthesis of spin-coated poly (4-nitroaniline) thin film: Structural and optical properties. Optical Materials,109	https://www.scopus.com/record/display.uri?eid=2-s2.0-85091576179&origin=resultslist	10.1016/j.optmat.2020.110378	2-s2.0-85091576179
Performance estimation of a mini-passive solar still via machine learning	Maddah, H.A.| Bassyouni, M.| Abdel-Aziz, M.H.| Zoromba, M.S.| Al-Hossainy, A.F.	2020	Renewable Energy	32	1.04	Maddah, H.A., Bassyouni, M., Abdel-Aziz, M.H. and 2 more (...) (2020).Performance estimation of a mini-passive solar still via machine learning. Renewable Energy,162489-503	https://www.scopus.com/record/display.uri?eid=2-s2.0-85089946148&origin=resultslist	10.1016/j.renene.2020.08.006	2-s2.0-85089946148

Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions	Aboelela, D.| Saleh, H.| Attia, A.M.| Elhenawy, Y.| Majozi, T.| Bassyouni, M.	2023	Sustainability (Switzerland)	32	2.97	Aboelela, D., Saleh, H., Attia, A.M. and 3 more (...) (2023).Recent Advances in Biomass Pyrolysis Processes for Bioenergy Production: Optimization of Operating Conditions. Sustainability (Switzerland),15(14)	https://www.scopus.com/record/display.url?eid=2-s2.0-85166594381&origin=resultslist	10.3390/su151411238	2-s2.0-85166594381
Theoretical investigation of the temperature limits of an actively cooled high concentration photovoltaic system	Ahmed, A.| Shanks, K.| Sundaram, S.| Mallick, T.K.	2020	Energies	32	1.68	Ahmed, A., Shanks, K., Sundaram, S. and 1 more (...) (2020).Theoretical investigation of the temperature limits of an actively cooled high concentration photovoltaic system. Energies,13(8)	https://www.scopus.com/record/display.url?eid=2-s2.0-85083675417&origin=resultslist	10.3390/en13081902	2-s2.0-85083675417
Thermo-electrical performance assessment of a partially submerged floating photovoltaic system	Elminshawy, N.A.S.| Osama, A.| Saif, A.M.| Tina, G.M.	2022	Energy	30	2.91	Elminshawy, N.A.S., Osama, A., Saif, A.M. and 1 more (...) (2022).Thermo-electrical performance assessment of a partially submerged floating photovoltaic system. Energy,246	https://www.scopus.com/record/display.url?eid=2-s2.0-85124624063&origin=resultslist	10.1016/j.energy.2022.123444	2-s2.0-85124624063
Experimental performance analysis of enhanced concentrated photovoltaic utilizing various mass flow rates of Al2O3-nanofluid: Energy, exergy, and exergoeconomic study	Elminshawy, N.| Elminshawy, A.| Osama, A.| Bassyouni, M.| Arıcı, M.	2022	Sustainable Energy Technologies and Assessments	30	2.37	Elminshawy, N., Elminshawy, A., Osama, A. and 2 more (...) (2022).Experimental performance analysis of enhanced concentrated photovoltaic utilizing various mass flow rates of Al2O3-nanofluid: Energy, exergy, and exergoeconomic study. Sustainable Energy Technologies and Assessments,53	https://www.scopus.com/record/display.url?eid=2-s2.0-85138042264&origin=resultslist	10.1016/j.seta.2022.102723	2-s2.0-85138042264

Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination	Elhenawy, Y.| Moustafa, G.H.| Attia, A.M.| Mansi, A.E.| Majozi, T.| Bassyouni, M.	2022	Journal of Environmental Chemical Engineering	30	2.91	Elhenawy, Y., Moustafa, G.H., Attia, A.M. and 3 more (...) (2022).Performance enhancement of a hybrid multi effect evaporation/membrane distillation system driven by solar energy for desalination. Journal of Environmental Chemical Engineering,10(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85141848777&origin=resultslist	10.1016/j.jece.2022.108855	2-s2.0-85141848777
Hydrogen production from wastewater, storage, economy, governance and applications: a review	Elgarahy, A.M.| Eloffy, M.G.| Hammad, A.| Saber, A.N.| El-Sherif, D.M.| Mohsen, A.| Abouzid, M.| Elwakeel, K.Z.	2022	Environmental Chemistry Letters	30	0.74	Elgarahy, A.M., Eloffy, M.G., Hammad, A. and 5 more (...) (2022).Hydrogen production from wastewater, storage, economy, governance and applications: a review. Environmental Chemistry Letters,20(6) 3453-3504	https://www.scopus.com/record/display.url?eid=2-s2.0-85136583562&origin=resultslist	10.1007/s10311-022-01480-3	2-s2.0-85136583562
Power management strategy based on adaptive neuro fuzzy inference system for AC microgrid	Fekry, H.M.| Eldesouky, A.A.| Kassem, A.M.| Abdelaziz, A.Y.	2020	IEEE Access	29	1.85	Fekry, H.M., Eldesouky, A.A., Kassem, A.M. and 1 more (...) (2020).Power management strategy based on adaptive neuro fuzzy inference system for AC microgrid. IEEE Access,8192087-192100	https://www.scopus.com/record/display.url?eid=2-s2.0-85096718200&origin=resultslist	10.1109/ACCESS.2020.3032705	2-s2.0-85096718200
Geophysical assessment for the oil potentiality of the Abu Roash “G” reservoir in West Beni Suef Basin, Western Desert, Egypt	Shehata, A.A.| Sarhan, M.A.| Abdel-Fattah, M.I.| Mansour, S.	2023	Journal of African Earth Sciences	29	9.06	Shehata, A.A., Sarhan, M.A., Abdel-Fattah, M.I. and 1 more (...) (2023).Geophysical assessment for the oil potentiality of the Abu Roash “G” reservoir in West Beni Suef Basin, Western Desert, Egypt. Journal of African Earth Sciences,199	https://www.scopus.com/record/display.url?eid=2-s2.0-85146561638&origin=resultslist	10.1016/j.jafrearsci.2023.104845	2-s2.0-85146561638

Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios	Gharib Yosry, A.| Fernández-Jiménez, A.| Álvarez-Álvarez, E.| Blanco Marigorta, E.	2021	Energy Conversion and Management	29	2.01	Gharib Yosry, A., Fernández-Jiménez, A., Álvarez-Álvarez, E. and 1 more (...) (2021).Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios. Energy Conversion and Management,237	https://www.scopus.com/record/display.uri?eid=2-s2.0-85104277768&origin=resultslist	10.1016/j.enconman.2021.114144	2-s2.0-85104277768
Conceptual design and numerical analysis of a novel floating desalination plant powered by marine renewable energy for Egypt	Amin, I.| Ali, M.E.A.| Bayoumi, S.| Oterkus, S.| Shawky, H.| Oterkus, E.	2020	Journal of Marine Science and Engineering	28	1.9	Amin, I., Ali, M.E.A., Bayoumi, S. and 3 more (...) (2020).Conceptual design and numerical analysis of a novel floating desalination plant powered by marine renewable energy for Egypt. Journal of Marine Science and Engineering,8(2) 1-23	https://www.scopus.com/record/display.uri?eid=2-s2.0-85085759976&origin=resultslist	10.3390/jmse8020095	2-s2.0-85085759976
Coyote optimization based on a fuzzy logic algorithm for energy-efficiency in wireless sensor networks	Mohamed, A.| Saber, W.| Elnahry, I.| Hassanien, A.E.	2020	IEEE Access	28	1.61	Mohamed, A., Saber, W., Elnahry, I. and 1 more (...) (2020).Coyote optimization based on a fuzzy logic algorithm for energy-efficiency in wireless sensor networks. IEEE Access,8185816-185829	https://www.scopus.com/record/display.uri?eid=2-s2.0-85102814392&origin=resultslist	10.1109/ACCESS.2020.3029683	2-s2.0-85102814392
Derivatisation-free characterisation and supercritical conversion of free fatty acids into biodiesel from high acid value waste cooking oil	Aboelazayem, O.| Gadalla, M.| Saha, B.	2019	Renewable Energy	27	0.9	Aboelazayem, O., Gadalla, M., Saha, B. (2019).Derivatisation-free characterisation and supercritical conversion of free fatty acids into biodiesel from high acid value waste cooking oil. Renewable Energy,14377-90	https://www.scopus.com/record/display.uri?eid=2-s2.0-85065803688&origin=resultslist	10.1016/j.renene.2019.04.106	2-s2.0-85065803688

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.	2022	Journal of Building Engineering	27	3.29	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	https://www.scopus.com/record/display.url?eid=2-s2.0-85132359639&origin=resultslist	10.1016/j.jobe.2022.104658	2-s2.0-85132359639
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.	2022	Energy and Buildings	27	2.86	Hassan, S.R., Megahed, N.A., Abo Eleinen, O.M. and 1 more (...) (2022).Toward a national life cycle assessment tool: Generative design for early decision support. Energy and Buildings,267	https://www.scopus.com/record/display.url?eid=2-s2.0-85129872803&origin=resultslist	10.1016/j.enbuild.2022.112144	2-s2.0-85129872803
Effectiveness of some novel heterocyclic compounds as corrosion inhibitors for carbon steel in 1 M HCl using practical and theoretical methods	Fouda, E.-A.| Abd el-Maksoud, S.A.| El-Sayed, E.H.| Elbaz, H.A.| Abousalem, A.S.	2021	RSC Advances	25	1.59	Fouda, E.-A., Abd el-Maksoud, S.A., El-Sayed, E.H. and 2 more (...) (2021).Effectiveness of some novel heterocyclic compounds as corrosion inhibitors for carbon steel in 1 M HCl using practical and theoretical methods. RSC Advances,11(31) 19294-19309	https://www.scopus.com/record/display.url?eid=2-s2.0-85106860357&origin=resultslist	10.1039/d1ra03083c	2-s2.0-85106860357
Hydrogen-Rich Syngas and Biochar Production by Non-Catalytic Valorization of Date Palm Seeds	Sait, H.H.| Hussain, A.| Bassyouni, M.| Ali, I.| Kanthasamy, R.| Ayodele, B.V.| Elhenawy, Y.	2022	Energies	25	2.62	Sait, H.H., Hussain, A., Bassyouni, M. and 4 more (...) (2022).Hydrogen-Rich Syngas and Biochar Production by Non-Catalytic Valorization of Date Palm Seeds. Energies,15(8)	https://www.scopus.com/record/display.url?eid=2-s2.0-85128451263&origin=resultslist	10.3390/en15082727	2-s2.0-85128451263

Water Desalination Using Solar Thermal Collectors Enhanced by Nanofluids	Zakaria, M.| Sharaky, A.M.| Al-Sherbini, A.-S.| Bassyouni, M.| Rezakazemi, M.| Elhenawy, Y.	2022	Chemical Engineering and Technology	24	2.14	Zakaria, M., Sharaky, A.M., Al-Sherbini, A.-S. and 3 more (...) (2022).Water Desalination Using Solar Thermal Collectors Enhanced by Nanofluids. Chemical Engineering and Technology,45(1) 15-25	https://www.scopus.com/record/display.url?eid=2-s2.0-85119113578&origin=resultslist	10.1002/ceat.202100339	2-s2.0-85119113578
Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface	Elminshawy, N.A.S.| Mohamed, A.M.I.| Osama, A.| Amin, I.| Bassam, A.M.| Oterkus, E.	2022	International Journal of Hydrogen Energy	24	2.24	Elminshawy, N.A.S., Mohamed, A.M.I., Osama, A. and 3 more (...) (2022).Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface. International Journal of Hydrogen Energy,47(25) 12798-12814	https://www.scopus.com/record/display.url?eid=2-s2.0-85125299548&origin=resultslist	10.1016/j.ijhydene.2022.02.034	2-s2.0-85125299548
Synthesis, characterization, and photosensitizer applications for dye-based on ZrO2-acriflavine nanocomposite thin film [ZrO2+ACF]C	Abd El-Aal, M.| Mogharbel, R.T.| Ibrahim, A.| Almutlaq, N.| Sh Zoromba, M.| Al-Hossainy, A.F.| Ibrahim, S.M.	2022	Journal of Molecular Structure	23	2.78	Abd El-Aal, M., Mogharbel, R.T., Ibrahim, A. and 4 more (...) (2022).Synthesis, characterization, and photosensitizer applications for dye-based on ZrO2- acriflavine nanocomposite thin film [ZrO2+ACF]C. Journal of Molecular Structure,1250	https://www.scopus.com/record/display.url?eid=2-s2.0-85118560821&origin=resultslist	10.1016/j.molstruc.2021.131827	2-s2.0-85118560821
Sequence stratigraphic controls on the gas-reservoirs distribution and characterization along the Messinian Abu Madi incision, Nile Delta Basin	Shehata, A.A.| Sarhan, M.A.| Abdel-Fattah, M.I.| Assal, E.M.	2023	Marine and Petroleum Geology	23	7.92	Shehata, A.A., Sarhan, M.A., Abdel-Fattah, M.I. and 1 more (...) (2023).Sequence stratigraphic controls on the gas-reservoirs distribution and characterization along the Messinian Abu Madi incision, Nile Delta Basin. Marine and Petroleum Geology,147	https://www.scopus.com/record/display.url?eid=2-s2.0-85141295815&origin=resultslist	10.1016/j.marpetgeo.2022.105988	2-s2.0-85141295815

Thermal regulation of partially floating photovoltaics for enhanced electricity production: A modeling and experimental analysis	Elminshawy, N.A.S.| Osama, A.| Naeim, N.| Elbaksawi, O.| Marco Tina, G.	2022	Sustainable Energy Technologies and Assessments	23	1.82	Elminshawy, N.A.S., Osama, A., Naeim, N. and 2 more (...) (2022).Thermal regulation of partially floating photovoltaics for enhanced electricity production: A modeling and experimental analysis. Sustainable Energy Technologies and Assessments,53	https://www.scopus.com/record/display.url?eid=2-s2.0-85135379852&origin=resultslist	10.1016/j.seta.2022.102582	2-s2.0-85135379852
Prediction and assessment of automated lifting system performance for multi-storey parking lots powered by solar energy	Elhenawy, Y.| Hafez, G.| Abdel-Hamid, S.| Elbany, M.	2020	Journal of Cleaner Production	23	1.13	Elhenawy, Y., Hafez, G., Abdel-Hamid, S. and 1 more (...) (2020).Prediction and assessment of automated lifting system performance for multi-storey parking lots powered by solar energy. Journal of Cleaner Production,266	https://www.scopus.com/record/display.url?eid=2-s2.0-85084331238&origin=resultslist	10.1016/j.jclepro.2020.121859	2-s2.0-85084331238
Numerical hydrodynamics-based design of an offshore platform to support a desalination plant and a wind turbine in Egypt	Amin, I.| Ali, M.E.A.| Bayoumi, S.| Balah, A.| Oterkus, S.| Shawky, H.| Oterkus, E.	2021	Ocean Engineering	22	1.64	Amin, I., Ali, M.E.A., Bayoumi, S. and 4 more (...) (2021).Numerical hydrodynamics-based design of an offshore platform to support a desalination plant and a wind turbine in Egypt. Ocean Engineering,229	https://www.scopus.com/record/display.url?eid=2-s2.0-85104281636&origin=resultslist	10.1016/j.oceaneng.2021.108598	2-s2.0-85104281636
Evaluation of Storage Stability for Biocrude Derived from Hydrothermal Liquefaction of Microalgae	Liu, G.| Du, H.| Sailikebuli, X.| Meng, Y.| Liu, Y.| Wang, H.| Zhang, J.| Wang, B.| Saad, M.G.| Li, J.| Wang, W.	2021	Energy and Fuels	22	1.47	Liu, G., Du, H., Sailikebuli, X. and 8 more (...) (2021).Evaluation of Storage Stability for Biocrude Derived from Hydrothermal Liquefaction of Microalgae. Energy and Fuels,35(13) 10623-10629	https://www.scopus.com/record/display.url?eid=2-s2.0-85110218166&origin=resultslist	10.1021/acs.energyfuels.1c01386	2-s2.0-85110218166

Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait	Alhajri, I.H.| Gadalla, M.A.| Abdelaziz, O.Y.| Ashour, F.H.	2021	Case Studies in Thermal Engineering	21	1.89	Alhajri, I.H., Gadalla, M.A., Abdelaziz, O.Y. and 1 more (...) (2021).Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait. Case Studies in Thermal Engineering,26	https://www.scopus.com/record/display.url?eid=2-s2.0-85105059129&origin=resultslist	10.1016/j.csite.2021.101030	2-s2.0-85105059129
Hybrid granite magmatism during orogenic collapse in the Eastern Desert of Egypt: Inferences from whole-rock geochemistry and zircon U–Pb–Hf isotopes	Zoheir, B.| Zeh, A.| El-Bialy, M.| Ragab, A.| Deshesh, F.| Steele-MacInnis, M.	2021	Precambrian Research	21	2.14	Zoheir, B., Zeh, A., El-Bialy, M. and 3 more (...) (2021).Hybrid granite magmatism during orogenic collapse in the Eastern Desert of Egypt: Inferences from whole-rock geochemistry and zircon U–Pb–Hf isotopes. Precambrian Research,354	https://www.scopus.com/record/display.url?eid=2-s2.0-85098054087&origin=resultslist	10.1016/j.precamres.2020.106044	2-s2.0-85098054087
Energy and exergy analyses of new cooling schemes based on a serpentine configuration for a high concentrator photovoltaic system	Ahmed, A.| Shanks, K.| Sundaram, S.| Mallick, T.	2021	Applied Thermal Engineering	21	1.3	Ahmed, A., Shanks, K., Sundaram, S. and 1 more (...) (2021).Energy and exergy analyses of new cooling schemes based on a serpentine configuration for a high concentrator photovoltaic system. Applied Thermal Engineering,199	https://www.scopus.com/record/display.url?eid=2-s2.0-85115126217&origin=resultslist	10.1016/j.applthermaleng.2021.117528	2-s2.0-85115126217
Systematic study of optoelectronic and thermoelectric properties of new lead-free halide double perovskites A2KGaI6(A = Cs, Rb) for solar cell applications via ab-initio calculations	Waqas Mukhtar, M.| Ramzan, M.| Rashid, M.| Hussain, A.| Naz, G.| Oztekin Ciftci, Y.| Dahshan, A.| Znaidia, S.	2022	Materials Science and Engineering: B	21	2.27	Waqas Mukhtar, M., Ramzan, M., Rashid, M. and 5 more (...) (2022).Systematic study of optoelectronic and thermoelectric properties of new lead-free halide double perovskites A2KGaI6(A = Cs, Rb) for solar cell applications via ab-initio calculations. Materials Science and Engineering: B,285	https://www.scopus.com/record/display.url?eid=2-s2.0-85136574404&origin=resultslist	10.1016/j.mseb.2022.115957	2-s2.0-85136574404

A renewable lignin-derived bio-oil for boosting the oxidation stability of biodiesel	Umar, Y.| Velasco, O.| Abdelaziz, O.Y.| Aboelazayem, O.| Gadalla, M.A.| Hulteberg, C.P.| Saha, B.	2022	Renewable Energy	20	1.3	Umar, Y., Velasco, O., Abdelaziz, O.Y. and 4 more (...) (2022).A renewable lignin-derived bio-oil for boosting the oxidation stability of biodiesel. Renewable Energy,182867-878	https://www.scopus.com/record/display.url?eid=2-s2.0-85118219054&origin=resultslist	10.1016/j.renene.2021.10.061	2-s2.0-85118219054
Conducting polymer thin film for optoelectronic devices applications	Abdel-Aziz, M.H.| Zwawi, M.| Al-Hossainy, A.F.| Zoromba, M.S.	2021	Polymers for Advanced Technologies	20	1.53	Abdel-Aziz, M.H., Zwawi, M., Al-Hossainy, A.F. and 1 more (...) (2021).Conducting polymer thin film for optoelectronic devices applications. Polymers for Advanced Technologies,32(6) 2588-2596	https://www.scopus.com/record/display.url?eid=2-s2.0-85102627779&origin=resultslist	10.1002/pat.5290	2-s2.0-85102627779
Performance analysis of reinforced epoxy functionalized carbon nanotubes composites for vertical axis wind turbine blade	Elhenawy, Y.| Fouad, Y.| Marouani, H.| Bassyouni, M.	2021	Polymers	20	1.32	Elhenawy, Y., Fouad, Y., Marouani, H. and 1 more (...) (2021).Performance analysis of reinforced epoxy functionalized carbon nanotubes composites for vertical axis wind turbine blade. Polymers,13(3) 1-16	https://www.scopus.com/record/display.url?eid=2-s2.0-85100018284&origin=resultslist	10.3390/polym13030422	2-s2.0-85100018284
Prediction of Molecular Characteristics and Molecular Spectroscopy of Hydrochloric Acid-Doped Poly(ortho-Anthranilic Acid-co-para Nitroaniline) Thin Film	Al-Hossainy, A.F.| Eid, M.R.| Zoromba, M.S.	2019	Journal of Electronic Materials	20	1.72	Al-Hossainy, A.F., Eid, M.R., Zoromba, M.S. (2019).Prediction of Molecular Characteristics and Molecular Spectroscopy of Hydrochloric Acid-Doped Poly(ortho-Anthranilic Acid-co-para Nitroaniline) Thin Film. Journal of Electronic Materials,48(12) 8107-8115	https://www.scopus.com/record/display.url?eid=2-s2.0-85073934948&origin=resultslist	10.1007/s11664-019-07647-z	2-s2.0-85073934948

Exceeding Pinch limits by process configuration of an existing modern crude oil distillation unit – A case study from refining industry	Bayomie, O.S.| Abdelaziz, O.Y.| Gadalla, M.A.	2019	Journal of Cleaner Production	20	0.69	Bayomie, O.S., Abdelaziz, O.Y., Gadalla, M.A. (2019).Exceeding Pinch limits by process configuration of an existing modern crude oil distillation unit – A case study from refining industry. Journal of Cleaner Production,2311050-1058	https://www.scopus.com/record/display.url?eid=2-s2.0-85066991686&origin=resultslist	10.1016/j.jclepro.2019.05.041	2-s2.0-85066991686
Response Surface Optimisation of Vertical Axis Wind Turbine at low wind speeds	Elsakka, M.M.| Ingham, D.B.| Ma, L.| Pourkashanian, M.| Moustafa, G.H.| Elhenawy, Y.	2022	Energy Reports	19	1.52	Elsakka, M.M., Ingham, D.B., Ma, L. and 3 more (...) (2022).Response Surface Optimisation of Vertical Axis Wind Turbine at low wind speeds. Energy Reports,810868-10880	https://www.scopus.com/record/display.url?eid=2-s2.0-85137161766&origin=resultslist	10.1016/j.egyr.2022.08.222	2-s2.0-85137161766
Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta, Egypt	Abd-Elaty, I.| Pugliese, L.| Bali, K.M.| Grismer, M.E.| Eltarabily, M.G.	2022	Hydrological Processes	19	2.66	Abd-Elaty, I., Pugliese, L., Bali, K.M. and 2 more (...) (2022).Modelling the impact of lining and covering irrigation canals on underlying groundwater stores in the Nile Delta, Egypt. Hydrological Processes,36(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85123711145&origin=resultslist	10.1002/hyp.14466	2-s2.0-85123711145
Numerical investigation of the indoor thermal behaviour based on PCMs in a hot climate	Ismail, R.M.| Megahed, N.A.| Eltarabily, S.	2022	Architectural Science Review	19	3.68	Ismail, R.M., Megahed, N.A., Eltarabily, S. (2022).Numerical investigation of the indoor thermal behaviour based on PCMs in a hot climate. Architectural Science Review,65(3) 196-216	https://www.scopus.com/record/display.url?eid=2-s2.0-85129518674&origin=resultslist	10.1080/00038628.2022.2058459	2-s2.0-85129518674

Implication of the micro- and lithofacies types on the quality of a gas-bearing deltaic reservoir in the Nile Delta, Egypt	Nabawy, B.S.| Abd El Aziz, E.A.| Ramadan, M.| Shehata, A.A.	2023	Scientific Reports	19	4	Nabawy, B.S., Abd El Aziz, E.A., Ramadan, M. and 1 more (...) (2023).Implication of the micro- and lithofacies types on the quality of a gas-bearing deltaic reservoir in the Nile Delta, Egypt. Scientific Reports,13(1)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85160916008&origin=resultslist	10.1038/s41598-023-35660-0	2-s2.0-85160916008
Analysis the economics of sustainable electricity by wind and its future perspective	Ahmed, A.S.	2019	Journal of Cleaner Production	19	0.94	Ahmed, A.S. (2019).Analysis the economics of sustainable electricity by wind and its future perspective. Journal of Cleaner Production,224729-738	https://www.scopus.com/record/display.uri?eid=2-s2.0-85063952248&origin=resultslist	10.1016/j.jclepro.2019.03.246	2-s2.0-85063952248
Combined experimental and TDDFT computations for the structural and optical properties for poly (ortho phenylene diamine) thin film with different surfactants	Bourezgui, A.| Al-Hossainy, A.F.| El Azab, I.H.| Alresheedi, F.| Mahmoud, S.A.| Bassyouni, M.| Abdel-Aziz, M.H.| Zoromba, M.S.	2021	Journal of Materials Science: Materials in Electronics	19	1.57	Bourezgui, A., Al-Hossainy, A.F., El Azab, I.H. and 5 more (...) (2021).Combined experimental and TDDFT computations for the structural and optical properties for poly (ortho phenylene diamine) thin film with different surfactants. Journal of Materials Science: Materials in Electronics,32(5) 5489-5503	https://www.scopus.com/record/display.uri?eid=2-s2.0-85099912887&origin=resultslist	10.1007/s10854-021-05271-4	2-s2.0-85099912887
A Comparative Review on Single Phase Transformerless Inverter Topologies for Grid-Connected Photovoltaic Systems	Kibria, M.F.| Elsanabary, A.| Tey, K.S.| Mubin, M.| Mekhilef, S.	2023	Energies	18	1.3	Kibria, M.F., Elsanabary, A., Tey, K.S. and 2 more (...) (2023).A Comparative Review on Single Phase Transformerless Inverter Topologies for Grid-Connected Photovoltaic Systems. Energies,16(3)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85147932966&origin=resultslist	10.3390/en16031363	2-s2.0-85147932966

Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water	Hammad, A.| Anzai, A.| Zhu, X.| Yamamoto, A.| Ootsuki, D.| Yoshida, T.| EL-Shazly, A.| Elkady, M.| Yoshida, H.	2020	Catalysis Letters	18	0.6	Hammad, A., Anzai, A., Zhu, X. and 6 more (...) (2020).Photodeposition Conditions of Silver Cocatalyst on Titanium Oxide Photocatalyst Directing Product Selectivity in Photocatalytic Reduction of Carbon Dioxide with Water. Catalysis Letters,150(4) 1081-1088	https://www.scopus.com/record/display.url?eid=2-s2.0-85075791148&origin=resultslist	10.1007/s10562-019-02997-z	2-s2.0-85075791148
Experimental testing and simulations of an autonomous, self-propulsion and self-measuring tanker ship model	Bassam, A.M.| Phillips, A.B.| Turnock, S.R.| Wilson, P.A.	2019	Ocean Engineering	18	1.07	Bassam, A.M., Phillips, A.B., Turnock, S.R. and 1 more (...) (2019).Experimental testing and simulations of an autonomous, self-propulsion and self-measuring tanker ship model. Ocean Engineering,186	https://www.scopus.com/record/display.url?eid=2-s2.0-85067800090&origin=resultslist	10.1016/j.oceaneng.2019.05.047	2-s2.0-85067800090
Grasshopper optimization algorithm for extracting maximum power from wind turbine installed in Al-Jouf region	Fathy, A.| El-Baksawi, O.	2019	Journal of Renewable and Sustainable Energy	18	0.34	Fathy, A., El-Baksawi, O. (2019).Grasshopper optimization algorithm for extracting maximum power from wind turbine installed in Al-Jouf region. Journal of Renewable and Sustainable Energy,11(3)	https://www.scopus.com/record/display.url?eid=2-s2.0-85065476137&origin=resultslist	10.1063/1.5085167	2-s2.0-85065476137
Potential Apoptotic Activities of Hylocereus undatus Peel and Pulp Extracts in MCF-7 and Caco-2 Cancer Cell Lines	Salam, H.S.| Tawfik, M.M.| Elnagar, M.R.| Mohammed, H.A.| Zarka, M.A.| Awad, N.S.	2022	Plants	18	3	Salam, H.S., Tawfik, M.M., Elnagar, M.R. and 3 more (...) (2022).Potential Apoptotic Activities of Hylocereus undatus Peel and Pulp Extracts in MCF-7 and Caco-2 Cancer Cell Lines. Plants,11(17)	https://www.scopus.com/record/display.url?eid=2-s2.0-85137755228&origin=resultslist	10.3390/plants11172192	2-s2.0-85137755228

Comparison of the Computational Fluid Dynamics Predictions of Vertical Axis Wind Turbine Performance Against Detailed Pressure Measurements	Elsakka, M.M.| Ingham, D.B.| Ma, L.| Pourkashanian, M.	2021	International Journal of Renewable Energy Research	17	0.93	Elsakka, M.M., Ingham, D.B., Ma, L. and 1 more (...) (2021).Comparison of the Computational Fluid Dynamics Predictions of Vertical Axis Wind Turbine Performance Against Detailed Pressure Measurements. International Journal of Renewable Energy Research,11(1) 276-293	https://www.scopus.com/record/display.uri?eid=2-s2.0-85104001196&origin=resultslist	-	2-s2.0-85104001196
Fabrication, characterization, TD-DFT, optical and electrical properties of poly (aniline-co-para nitroaniline)/ZrO2 composite for solar cell applications	Attar, A.| Alharthy, R.D.| Zwawi, M.| Algarni, M.| Albatati, F.| Bassyouni, M.| Abdel-Aziz, M.H.| Zoromba, M.S.| Al-Hossainy, A.F.	2022	Journal of Industrial and Engineering Chemistry	17	1.72	Attar, A., Alharthy, R.D., Zwawi, M. and 6 more (...) (2022).Fabrication, characterization, TD-DFT, optical and electrical properties of poly (aniline-co-para nitroaniline)/ZrO2 composite for solar cell applications. Journal of Industrial and Engineering Chemistry,109230-244	https://www.scopus.com/record/display.uri?eid=2-s2.0-85124904802&origin=resultslist	10.1016/j.jiec.2022.02.011	2-s2.0-85124904802
Improvement of the thermal stability and optical properties for poly (ortho phenylene diamine) using soft templates	Zoromba, M.S.| Al-Hossainy, A.F.| Mahmoud, S.A.| Bourezgui, A.| Shaaban, E.R.	2020	Journal of Molecular Structure	17	1.2	Zoromba, M.S., Al-Hossainy, A.F., Mahmoud, S.A. and 2 more (...) (2020).Improvement of the thermal stability and optical properties for poly (ortho phenylene diamine) using soft templates. Journal of Molecular Structure,1221	https://www.scopus.com/record/display.uri?eid=2-s2.0-85087397842&origin=resultslist	10.1016/j.molstruc.2020.128792	2-s2.0-85087397842
Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind	Afify, M.S.| Elkamash, I.S.| Shihab, M.| Moslem, W.M.	2021	Advances in Space Research	17	1.47	Afify, M.S., Elkamash, I.S., Shihab, M. and 1 more (...) (2021).Evolution of ion-acoustic soliton waves in Venus's ionosphere permeated by the solar wind. Advances in Space Research,67(12) 4110-4120	https://www.scopus.com/record/display.uri?eid=2-s2.0-85103975476&origin=resultslist	10.1016/j.asr.2021.02.037	2-s2.0-85103975476

Physical characteristics of barium based cubic perovskites	Shakoor, F.| Aldaghfag, S.A.| Yaseen, M.| Butt, M.K.| Mubashir, S.| Iqbal, J.| Zahid, M.| Murtaza, A.| Dahshan, A.	2021	Chemical Physics Letters	17	1.32	Shakoor, F., Aldaghfag, S.A., Yaseen, M. and 6 more (...) (2021).Physical characteristics of barium based cubic perovskites. Chemical Physics Letters,779	https://www.scopus.com/record/display.uri?eid=2-s2.0-85109618875&origin=resultslist	10.1016/j.cplett.2021.138835	2-s2.0-85109618875
Polypyrrole/functionalized multi-walled carbon nanotube composite for optoelectronic device application	Zwawi, M.| Attar, A.| Al-Hossainy, A.F.| Abdel-Aziz, M.H.| Zoromba, M.S.	2021	Chemical Papers	17	1.15	Zwawi, M., Attar, A., Al-Hossainy, A.F. and 2 more (...) (2021).Polypyrrole/functionalized multi-walled carbon nanotube composite for optoelectronic device application. Chemical Papers,75(12) 6575-6589	https://www.scopus.com/record/display.uri?eid=2-s2.0-85113270346&origin=resultslist	10.1007/s11696-021-01830-5	2-s2.0-85113270346
Optical constants of ternary Cux(Ge30Se70)100-x thin films for solar cell applications	Aly, K.A.| Saddeek, Y.B.| Dahshan, A.	2020	Optical Materials	16	1.15	Aly, K.A., Saddeek, Y.B., Dahshan, A. (2020).Optical constants of ternary Cux(Ge30Se70)100-x thin films for solar cell applications. Optical Materials,109	https://www.scopus.com/record/display.uri?eid=2-s2.0-85089751774&origin=resultslist	10.1016/j.optmat.2020.110341	2-s2.0-85089751774
Techno-economic multi-objective reactive power planning in integrated wind power system with improving voltage stability	Eladl, A.A.| Basha, M.I.| ElDesouky, A.A.	2023	Electric Power Systems Research	16	3.08	Eladl, A.A., Basha, M.I., ElDesouky, A.A. (2023).Techno-economic multi-objective reactive power planning in integrated wind power system with improving voltage stability. Electric Power Systems Research,214	https://www.scopus.com/record/display.uri?eid=2-s2.0-85140638747&origin=resultslist	10.1016/j.epsr.2022.108917	2-s2.0-85140638747

Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis	Naeem, M.M.| Al-Sakkari, E.G.| Boffito, D.C.| Rene, E.R.| Gadalla, M.A.| Ashour, F.H.	2023	Fuel	16	3.01	Naeem, M.M., Al-Sakkari, E.G., Boffito, D.C. and 3 more (...) (2023).Single-stage waste oil conversion into biodiesel via sonication over bio-based bifunctional catalyst: Optimization, preliminary techno-economic and environmental analysis. Fuel,341	https://www.scopus.com/record/display.url?eid=2-s2.0-85147594303&origin=resultslist	10.1016/j.fuel.2023.127587	2-s2.0-85147594303
Artificial neural network based prediction of ship speed under operating conditions for operational optimization	Bassam, A.M.| Phillips, A.B.| Turnock, S.R.| Wilson, P.A.	2023	Ocean Engineering	16	3.2	Bassam, A.M., Phillips, A.B., Turnock, S.R. and 1 more (...) (2023).Artificial neural network based prediction of ship speed under operating conditions for operational optimization. Ocean Engineering,278	https://www.scopus.com/record/display.url?eid=2-s2.0-85153794027&origin=resultslist	10.1016/j.oceaneng.2023.114613	2-s2.0-85153794027
Seismic interpretation and hydrocarbon assessment of the post-rift Cenomanian Bahariya reservoir, Beni Suef Basin, Egypt	Shehata, A.A.| Sarhan, M.A.	2022	Journal of Petroleum Exploration and Production Technology	16	1.66	Shehata, A.A., Sarhan, M.A. (2022).Seismic interpretation and hydrocarbon assessment of the post-rift Cenomanian Bahariya reservoir, Beni Suef Basin, Egypt. Journal of Petroleum Exploration and Production Technology,12(12) 3243-3261	https://www.scopus.com/record/display.url?eid=2-s2.0-85131946265&origin=resultslist	10.1007/s13202-022-01520-2	2-s2.0-85131946265

A Comparative Study of MPPT for PV System Based on Modified Perturbation Observation Method	Osman, M.H.| Ahmed, M.K.| Refaat, A.| Korovkin, N.V.	2021	Proceedings of the 2021 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2021	15	6.51	Osman, M.H., Ahmed, M.K., Refaat, A. and 1 more (...) (2021).A Comparative Study of MPPT for PV System Based on Modified Perturbation Observation Method. Proceedings of the 2021 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2021,1023-1026	https://www.scopus.com/record/display.url?eid=2-s2.0-85104795674&origin=resultslist	10.1109/ElConRus51938.2021.9396444	2-s2.0-85104795674
Relevance of monocrystalline and thin-film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt	Badawy, N.M.| Hosam Salah, E.S.| Waseef, A.A.E.	2022	Alexandria Engineering Journal	15	2.1	Badawy, N.M., Hosam Salah, E.S., Waseef, A.A.E. (2022).Relevance of monocrystalline and thin-film technologies in implementing efficient grid-connected photovoltaic systems in historic buildings in Port Fouad city, Egypt. Alexandria Engineering Journal,61(12) 12229-12246	https://www.scopus.com/record/display.url?eid=2-s2.0-85132236190&origin=resultslist	10.1016/j.aej.2022.06.007	2-s2.0-85132236190
Development and implementation of two-stage boost converter for single-phase inverter without transformer for PV systems	Elnaghi, B.E.| Dessouki, M.E.| Abd-Alwahab, M.N.| Elkholy, E.E.	2020	International Journal of Electrical and Computer Engineering	15	0.8	Elnaghi, B.E., Dessouki, M.E., Abd-Alwahab, M.N. and 1 more (...) (2020).Development and implementation of two-stage boost converter for single-phase inverter without transformer for PV systems. International Journal of Electrical and Computer Engineering,10(1) 660-669	https://www.scopus.com/record/display.url?eid=2-s2.0-85074595685&origin=resultslist	10.11591/ijece.v10i1.pp660-669	2-s2.0-85074595685

One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications	Abdel-Aziz, M.H.| Maddah, H.A.| Sh. Zoromba, M.| Al-Hossainy, A.F.	2023	Alexandria Engineering Journal	15	3.71	Abdel-Aziz, M.H., Maddah, H.A., Sh. Zoromba, M. and 1 more (...) (2023).One-dimensional ternary conducting polymers blend with 9.26% power conversion efficiency for photovoltaic devices applications. Alexandria Engineering Journal,66475-488	https://www.scopus.com/record/display.url?eid=2-s2.0-85142543799&origin=resultslist	10.1016/j.aej.2022.11.013	2-s2.0-85142543799
Power Factor Correction of Three-Phase PWM AC Chopper Fed Induction Motor Drive System Using HBCC Technique	Metwaly, M.K.| Azazi, H.Z.| Deraz, S.A.| Dessouki, M.E.| Zaky, M.S.	2019	IEEE Access	15	0.67	Metwaly, M.K., Azazi, H.Z., Deraz, S.A. and 2 more (...) (2019).Power Factor Correction of Three-Phase PWM AC Chopper Fed Induction Motor Drive System Using HBCC Technique. IEEE Access,743438-43452	https://www.scopus.com/record/display.url?eid=2-s2.0-85064842305&origin=resultslist	10.1109/ACCESS.2019.2907791	2-s2.0-85064842305
Synthesis, characterization, DFT-TDDFT calculations and optical properties of a novel pyrazole-1,2,3-triazole hybrid thin film	El Azab, I.H.| Gobouri, A.A.| Altalhi, T.A.| El-Sheshtawy, H.S.| Almutlaq, N.| Maddah, H.A.| Zoromba, M.S.| Abdel-Aziz, M.H.| Bassyouni, M.| Ibrahim, A.| Alanazy, A.| Alresheedi, B.A.| Al-Hossainy, A.F.	2021	Optik	15	1.22	El Azab, I.H., Gobouri, A.A., Altalhi, T.A. and 10 more (...) (2021).Synthesis, characterization, DFT-TDDFT calculations and optical properties of a novel pyrazole-1,2,3-triazole hybrid thin film. Optik,247	https://www.scopus.com/record/display.url?eid=2-s2.0-85115125407&origin=resultslist	10.1016/j.ijleo.2021.167971	2-s2.0-85115125407
Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm	Nashaat, H.| Refaat, O.| Zaki, F.W.| Shaalan, I.E.	2020	IEEE Access	15	1.16	Nashaat, H., Refaat, O., Zaki, F.W. and 1 more (...) (2020).Dragonfly-Based Joint Delay/Energy LTE Downlink Scheduling Algorithm. IEEE Access,835392-35402	https://www.scopus.com/record/display.url?eid=2-s2.0-85080883973&origin=resultslist	10.1109/ACCESS.2020.2974856	2-s2.0-85080883973

New analytical assessment for fast and complete pre-fault restoration of grid-connected FSWTs with fuzzy-logic pitch-angle controller	Salem, A.A.| ElDesouky, A.A.| Alaboudy, A.H.K.	2022	International Journal of Electrical Power and Energy Systems	14	1.39	Salem, A.A., ElDesouky, A.A., Alaboudy, A.H.K. (2022).New analytical assessment for fast and complete pre-fault restoration of grid-connected FSWTs with fuzzy-logic pitch-angle controller. International Journal of Electrical Power and Energy Systems,136	https://www.scopus.com/record/display.url?eid=2-s2.0-85118548852&origin=resultslist	10.1016/j.ijepes.2021.107745	2-s2.0-85118548852
Effect of using an infrared filter on the performance of a silicon solar cell for an ultra-high concentrator photovoltaic system	Ahmed, A.| Alzahrani, M.| Shanks, K.| Sundaram, S.| Mallick, T.K.	2020	Materials Letters	14	0.89	Ahmed, A., Alzahrani, M., Shanks, K. and 2 more (...) (2020).Effect of using an infrared filter on the performance of a silicon solar cell for an ultra-high concentrator photovoltaic system. Materials Letters,277	https://www.scopus.com/record/display.url?eid=2-s2.0-85088012636&origin=resultslist	10.1016/j.matlet.2020.128332	2-s2.0-85088012636
Experimental study of simultaneous effect of evacuated tube collectors coupled with parabolic reflectors on traditional single slope solar still efficiency	Farghaly, M.B.| Alahmadi, R.N.| Sarhan, H.H.| Abdelghany, E.S.	2023	Case Studies in Thermal Engineering	14	3.25	Farghaly, M.B., Alahmadi, R.N., Sarhan, H.H. and 1 more (...) (2023).Experimental study of simultaneous effect of evacuated tube collectors coupled with parabolic reflectors on traditional single slope solar still efficiency. Case Studies in Thermal Engineering,49	https://www.scopus.com/record/display.url?eid=2-s2.0-85165228243&origin=resultslist	10.1016/j.csite.2023.103304	2-s2.0-85165228243

Combined experimental and theoretical study, characterization, and nonlinear optical properties of doped-poly (p-nitroaniline -co- o-aminophenol) thin films	Almutlaq, N.| Al-Hossainy, A.F.| Zoromba, M.S.	2021	Journal of Molecular Structure	14	1.16	Almutlaq, N., Al-Hossainy, A.F., Zoromba, M.S. (2021).Combined experimental and theoretical study, characterization, and nonlinear optical properties of doped-poly (p-nitroaniline -co- o-aminophenol) thin films. Journal of Molecular Structure,1227	https://www.scopus.com/record/display.url?eid=2-s2.0-85097573984&origin=resultslist	10.1016/j.molstruc.2020.129712	2-s2.0-85097573984
Physical properties of KTaO3 compound for optoelectronic and thermoelectric applications: A DFT study	Sarfraz, S.| Aldaghfag, S.A.| Butt, M.K.| Yaseen, M.| Zahid, M.| Dahshan, A.	2022	Materials Science in Semiconductor Processing	14	1.51	Sarfraz, S., Aldaghfag, S.A., Butt, M.K. and 3 more (...) (2022).Physical properties of KTaO3 compound for optoelectronic and thermoelectric applications: A DFT study. Materials Science in Semiconductor Processing,148	https://www.scopus.com/record/display.url?eid=2-s2.0-85131092126&origin=resultslist	10.1016/j.mssp.2022.106811	2-s2.0-85131092126
Ionospheric losses of Venus in the solar wind	Salem, S.| Moslem, W.M.| Lazar, M.| Sabry, R.| Tolba, R.E.| Schlickeiser, R.	2020	Advances in Space Research	14	0.96	Salem, S., Moslem, W.M., Lazar, M. and 3 more (...) (2020).Ionospheric losses of Venus in the solar wind. Advances in Space Research,65(1) 129-137	https://www.scopus.com/record/display.url?eid=2-s2.0-85073517196&origin=resultslist	10.1016/j.asr.2019.09.032	2-s2.0-85073517192
Nickel Oxide Nanoparticles Application for Enhancing Biogas Production Using Certain Wastewater Bacteria and Aquatic Macrophytes Biomass	Salama, A.M.| Helmy, E.A.| Abd El-ghany, T.M.| Ganash, M.	2021	Waste and Biomass Valorization	13	0.59	Salama, A.M., Helmy, E.A., Abd El-ghany, T.M. and 1 more (...) (2021).Nickel Oxide Nanoparticles Application for Enhancing Biogas Production Using Certain Wastewater Bacteria and Aquatic Macrophytes Biomass. Waste and Biomass Valorization,12(4) 2059-2070	https://www.scopus.com/record/display.url?eid=2-s2.0-85087572009&origin=resultslist	10.1007/s12649-020-01144-9	2-s2.0-85087572009

Facile synthesis of single-crystal of o-phenylene diamine dihydrochloride as a polychloride and fabrication of high-performance semiconductor thin film	Zoromba, M.S.| Al-Hossainy, A.F.| Rzaigui, M.| Abdelkader, A.| Alresheedi, F.| El Azab, I.H.| Eissa, F.M.	2021	Optical Materials	13	1.11	Zoromba, M.S., Al-Hossainy, A.F., Rzaigui, M. and 4 more (...) (2021).Facile synthesis of single-crystal of o-phenylene diamine dihydrochloride as a polychloride and fabrication of high-performance semiconductor thin film. Optical Materials,112	https://www.scopus.com/record/display.uri?eid=2-s2.0-85098472774&origin=resultslist	10.1016/j.optmat.2020.110758	2-s2.0-85098472774
Experimental investigation of two novel arrangements of air gap membrane distillation module with heat recovery	Elhenawy, Y.| Moustafa, G.H.| Abdel-Hamid, S.M.S.| Bassyouni, M.| Elsakka, M.M.	2022	Energy Reports	13	1.04	Elhenawy, Y., Moustafa, G.H., Abdel-Hamid, S.M.S. and 2 more (...) (2022).Experimental investigation of two novel arrangements of air gap membrane distillation module with heat recovery. Energy Reports,88563-8573	https://www.scopus.com/record/display.uri?eid=2-s2.0-85133266172&origin=resultslist	10.1016/j.egyr.2022.06.068	2-s2.0-85133266172
Recycling of catering waste for sequential production of biohydrogen and biomethane; pre-treatments, batch, and continuous mode studies	Elwakeel, K.Z.| Elgarahy, A.M.| Alghamdi, H.M.| El-Qelish, M.	2023	Journal of Environmental Chemical Engineering	13	2.46	Elwakeel, K.Z., Elgarahy, A.M., Alghamdi, H.M. and 1 more (...) (2023).Recycling of catering waste for sequential production of biohydrogen and biomethane; pre-treatments, batch, and continuous mode studies. Journal of Environmental Chemical Engineering,11(5)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85170405320&origin=resultslist	10.1016/j.jece.2023.110955	2-s2.0-85170405320
Toward Enhancing the Energy Efficiency and Minimizing the SLA Violations in Cloud Data Centers	Elsedimy, E.I.| Algarni, F.	2021	Applied Computational Intelligence and Soft Computing	13	0.96	Elsedimy, E.I., Algarni, F. (2021).Toward Enhancing the Energy Efficiency and Minimizing the SLA Violations in Cloud Data Centers. Applied Computational Intelligence and Soft Computing,2021	https://www.scopus.com/record/display.uri?eid=2-s2.0-85099909376&origin=resultslist	10.1155/2021/8892734	2-s2.0-85099909376

Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system	Elhenawy, Y.| Bassyouni, M.| Fouad, K.| Sandid, A.M.| Abu-Zeid, M.A.E.-R.| Majozi, T.	2023	Renewable Energy	12	1.53	Elhenawy, Y., Bassyouni, M., Fouad, K. and 3 more (...) (2023).Experimental and numerical simulation of solar membrane distillation and humidification – dehumidification water desalination system. Renewable Energy,215	https://www.scopus.com/record/display.url?eid=2-s2.0-85162152883&origin=resultslist	10.1016/j.renene.2023.118915	2-s2.0-85162152883
Experimental and multiphase modeling of small vertical-axis hydrokinetic turbine with free-surface variations	Yosry, A.G.| Álvarez, E.Á.| Valdés, R.E.| Pandal, A.| Marigorta, E.B.	2023	Renewable Energy	12	1.53	Yosry, A.G., Álvarez, E.Á., Valdés, R.E. and 2 more (...) (2023).Experimental and multiphase modeling of small vertical-axis hydrokinetic turbine with free-surface variations. Renewable Energy,203788-801	https://www.scopus.com/record/display.url?eid=2-s2.0-85145723682&origin=resultslist	10.1016/j.renene.2022.12.114	2-s2.0-85145723682
An innovative cooling technique for floating photovoltaic module: Adoption of partially submerged angle fins	Elminshawy, N.A.S.| Elminshawy, A.| Osama, A.	2023	Energy Conversion and Management: X	12	2.23	Elminshawy, N.A.S., Elminshawy, A., Osama, A. (2023).An innovative cooling technique for floating photovoltaic module: Adoption of partially submerged angle fins. Energy Conversion and Management: X,20	https://www.scopus.com/record/display.url?eid=2-s2.0-85162113370&origin=resultslist	10.1016/j.ecmx.2023.100408	2-s2.0-85162113370
A Novel Model Predictive Speed Controller for PMSG in Wind Energy Systems	Abuhashish, M.N.| Daoud, A.A.| Elfar, M.H.	2022	International Journal of Renewable Energy Research	11	0.87	Abuhashish, M.N., Daoud, A.A., Elfar, M.H. (2022).A Novel Model Predictive Speed Controller for PMSG in Wind Energy Systems. International Journal of Renewable Energy Research,12(1) 170-180	https://www.scopus.com/record/display.url?eid=2-s2.0-85129101612&origin=resultslist	-	2-s2.0-85129101612

Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines	Sobhy, A.| Lei, D.	2021	International Transactions on Electrical Energy Systems	11	0.88	Sobhy, A., Lei, D. (2021).Model-assisted active disturbance rejection controller for maximum efficiency schemes of DFIG-based wind turbines. International Transactions on Electrical Energy Systems,31(11)	https://www.scopus.com/record/display.url?eid=2-s2.0-85114993827&origin=resultslist	10.1002/2050-7038.13107	2-s2.0-85114993827
Heuristic Approach for Net-Zero Energy Residential Buildings in Arid Region Using Dual Renewable Energy Sources	Ismaeil, E.M.H.| Sobaih, A.E.E.	2023	Buildings	11	2.59	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)	https://www.scopus.com/record/display.url?eid=2-s2.0-85152701180&origin=resultslist	10.3390/buildings13030796	2-s2.0-85152701180
Electrical and thermoelectrical properties of Bi2−xNaxTe3 alloys	Adam, A.M.| Diab, A.K.| El-Hadek, M.A.| Sayed, A.O.| Ibrahim, E.M.M.	2022	Journal of Alloys and Compounds	11	1.26	Adam, A.M., Diab, A.K., El-Hadek, M.A. and 2 more (...) (2022).Electrical and thermoelectrical properties of Bi2−xNaxTe3 alloys. Journal of Alloys and Compounds,920	https://www.scopus.com/record/display.url?eid=2-s2.0-85133418170&origin=resultslist	10.1016/j.jallcom.2022.165952	2-s2.0-85133418170
High-throughput screening of Chlorella Vulgaris growth kinetics inside a droplet-based microfluidic device under irradiance and nitrate stress conditions	Saad, M.G.| Dosoky, N.S.| Khan, M.S.| Zoromba, M.S.| Mekki, L.| El-Bana, M.| Nobles, D.| Shafik, H.M.	2019	Biomolecules	11	0.63	Saad, M.G., Dosoky, N.S., Khan, M.S. and 5 more (...) (2019).High-throughput screening of Chlorella Vulgaris growth kinetics inside a droplet-based microfluidic device under irradiance and nitrate stress conditions. Biomolecules,9(7)	https://www.scopus.com/record/display.url?eid=2-s2.0-85070454112&origin=resultslist	10.3390/biom9070276	2-s2.0-85070454112

Response Surface Method Based Modeling and Optimization of CMC-g Terpolymer Interpenetrating Network/Bentonite Superabsorbent Composite for Enhancing Water Retention	Elsaeed, S.M.| Zaki, E.G.| Abdelhafes, A.| Al-Hussaini, A.S.	2022	ACS Omega	11	1	Elsaeed, S.M., Zaki, E.G., Abdelhafes, A. and 1 more (...) (2022).Response Surface Method Based Modeling and Optimization of CMC-g Terpolymer Interpenetrating Network/Bentonite Superabsorbent Composite for Enhancing Water Retention. ACS Omega,7(10) 8219-8228	https://www.scopus.com/record/display.url?eid=2-s2.0-85126735792&origin=resultslist	10.1021/acsomega.1c03194	2-s2.0-85126735792
Aspen Plus simulation of a low capacity organic Rankine cycle heated by solar energy	Shalaby, S.M.| Gadalla, M.A.| El Sayed, A.R.| Meliha, E.M.| Abosheiasha, H.F.	2022	Energy Reports	11	0.88	Shalaby, S.M., Gadalla, M.A., El Sayed, A.R. and 2 more (...) (2022).Aspen Plus simulation of a low capacity organic Rankine cycle heated by solar energy. Energy Reports,8416-421	https://www.scopus.com/record/display.url?eid=2-s2.0-85120453202&origin=resultslist	10.1016/j.egyr.2021.11.109	2-s2.0-85120453202
Highly Efficient MPP Tracker Based on Adaptive Neuro-fuzzy Inference System for Stand-Alone Photovoltaic Generator System	Osman, M.H.| Seify, M.A.E.| Ahmed, M.K.| Korovkin, N.V.| Refaat, A.	2022	International Journal of Renewable Energy Research	11	0.87	Osman, M.H., Seify, M.A.E., Ahmed, M.K. and 2 more (...) (2022).Highly Efficient MPP Tracker Based on Adaptive Neuro-fuzzy Inference System for Stand-Alone Photovoltaic Generator System. International Journal of Renewable Energy Research,12(1) 209-217	https://www.scopus.com/record/display.url?eid=2-s2.0-85129093751&origin=resultslist	-	2-s2.0-85129093751
A droplet-based gradient microfluidic to monitor and evaluate the growth of Chlorella vulgaris under different levels of nitrogen and temperatures	Saad, M.G.| Selahi, A.| Zoromba, M.S.| Mekki, L.| El-Bana, M.| Dosoky, N.S.| Nobles, D.| Shafik, H.M.	2019	Algal Research	11	0.68	Saad, M.G., Selahi, A., Zoromba, M.S. and 5 more (...) (2019).A droplet-based gradient microfluidic to monitor and evaluate the growth of Chlorella vulgaris under different levels of nitrogen and temperatures. Algal Research,44	https://www.scopus.com/record/display.url?eid=2-s2.0-85074817806&origin=resultslist	10.1016/j.algal.2019.101657	2-s2.0-85074817806

Optoelectronic and photocatalytic properties of GaN, GeS and SiS monolayers and their vdW heterostructures	Abid, A.| Haneef, M.| Ali, S.| Dahshan, A.	2022	Journal of Physics and Chemistry of Solids	11	1.1	Abid, A., Haneef, M., Ali, S. and 1 more (...) (2022).Optoelectronic and photocatalytic properties of GaN, GeS and SiS monolayers and their vdW heterostructures. Journal of Physics and Chemistry of Solids,161	https://www.scopus.com/record/display.url?eid=2-s2.0-85122536027&origin=resultslist	10.1016/j.jpcs.2021.110433	2-s2.0-85122536027
Physical structure, TD-DFT computations, and optical properties of hybrid nanocomposite thin film as optoelectronic devices	Zoromba, M.S.| Maddah, H.A.| Abdel-Aziz, M.H.| Al-Hossainy, A.F.	2022	Journal of Industrial and Engineering Chemistry	11	1.11	Zoromba, M.S., Maddah, H.A., Abdel-Aziz, M.H. and 1 more (...) (2022).Physical structure, TD-DFT computations, and optical properties of hybrid nanocomposite thin film as optoelectronic devices. Journal of Industrial and Engineering Chemistry,112106-124	https://www.scopus.com/record/display.url?eid=2-s2.0-85130493030&origin=resultslist	10.1016/j.jiec.2022.05.004	2-s2.0-85130493030
Fabrication, carrier transport mechanisms and photovoltaic properties of Au/silicon phthalocyanine dichloride/p-Si/Al heterojunction device	El-Damhogi, D.G.| El-Mallah, H.M.| el-Salam, M.A.| Elesh, E.	2020	Optical and Quantum Electronics	10	0.56	El-Damhogi, D.G., El-Mallah, H.M., el-Salam, M.A. and 1 more (...) (2020).Fabrication, carrier transport mechanisms and photovoltaic properties of Au/silicon phthalocyanine dichloride/p-Si/Al heterojunction device. Optical and Quantum Electronics,52(10)	https://www.scopus.com/record/display.url?eid=2-s2.0-85091319350&origin=resultslist	10.1007/s11082-020-02546-8	2-s2.0-85091319350
Alloyed Ag2SexS1-x quantum dots with red to NIR shift: The band gap tuning with dopant content for energy harvesting applications	Chand, S.| Dahshan, A.| Thakur, N.| Sharma, V.| Sharma, P.	2020	Infrared Physics and Technology	10	0.75	Chand, S., Dahshan, A., Thakur, N. and 2 more (...) (2020).Alloyed Ag2SexS1-x quantum dots with red to NIR shift: The band gap tuning with dopant content for energy harvesting applications. Infrared Physics and Technology,105	https://www.scopus.com/record/display.url?eid=2-s2.0-85077505893&origin=resultslist	10.1016/j.infrared.2019.103162	2-s2.0-85077505893

New Analysis Framework of Lyapunov-Based Stability for Hybrid Wind Farm Equipped with FRT: A Case Study of Egyptian Grid Code	Salem, A.A.| Eldesouky, A.A.| Farahat, A.A.| Abdelsalam, A.A.	2021	IEEE Access	10	0.78	Salem, A.A., Eldesouky, A.A., Farahat, A.A. and 1 more (...) (2021).New Analysis Framework of Lyapunov-Based Stability for Hybrid Wind Farm Equipped with FRT: A Case Study of Egyptian Grid Code. IEEE Access,980320-80339	https://www.scopus.com/record/display.url?eid=2-s2.0-85107342988&origin=resultslist	10.1109/ACCESS.2021.3085173	2-s2.0-85107342988
Electrical, dielectric, I-V and antimicrobial behavior of cobalt incapacitated Prussian blue graphene ferrites composite	Aslam, A.| Ali, M.D.| Aftab, Z.E.H.| Fakhar, U.| ud-Din, S.Z.| Ahmad, A.| Khalid, U.| Amami, M.| Dahshan, A.	2022	Inorganic Chemistry Communications	10	1.27	Aslam, A., Ali, M.D., Aftab, Z.E.H. and 6 more (...) (2022).Electrical, dielectric, I-V and antimicrobial behavior of cobalt incapacitated Prussian blue graphene ferrites composite. Inorganic Chemistry Communications,141	https://www.scopus.com/record/display.url?eid=2-s2.0-85131061472&origin=resultslist	10.1016/j.inoche.2022.109548	2-s2.0-85131061472
Acid–hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation	Sherif, N.| Gadalla, M.| Kamel, D.	2021	South African Journal of Chemical Engineering	10	0.74	Sherif, N., Gadalla, M., Kamel, D. (2021).Acid–hydrolysed furfural production from rice straw bio-waste: Process synthesis, simulation, and optimisation. South African Journal of Chemical Engineering,3834-40	https://www.scopus.com/record/display.url?eid=2-s2.0-85112302496&origin=resultslist	10.1016/j.sajce.2021.08.002	2-s2.0-85112302496
Trajectory optimization for UAV-assisted relay over 5G networks based on reinforcement learning framework	Abohashish, S.M.M.| Rizk, R.Y.| Elsedimy, E.I.	2023	Eurasip Journal on Wireless Communications and Networking	10	0.87	Abohashish, S.M.M., Rizk, R.Y., Elsedimy, E.I. (2023).Trajectory optimization for UAV-assisted relay over 5G networks based on reinforcement learning framework. Eurasip Journal on Wireless Communications and Networking,2023(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85164126701&origin=resultslist	10.1186/s13638-023-02268-x	2-s2.0-85164126701

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.	2022	Environmental Chemistry Letters	10	17.12	Osman, A.I., Mehta, N., Elgarahy, A.M. and 4 more (...) (2022).Correction to: Hydrogen production, storage, utilisation and environmental impacts: a review (Environmental Chemistry Letters, (2022), 20, 1, (153-188), 10.1007/s10311-021-01322-8). Environmental Chemistry Letters,20(3)	https://www.scopus.com/record/display.url?eid=2-s2.0-85127429321&origin=resultslist	10.1007/s10311-022-01432-x	2-s2.0-85127429321
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.	2023	Water (Switzerland)	10	2.8	Kulikova, Y., Klementev, S., Sirotkin, A. and 5 more (...) (2023).Aqueous Phase from Hydrothermal Liquefaction: Composition and Toxicity Assessment. Water (Switzerland),15(9)	https://www.scopus.com/record/display.url?eid=2-s2.0-85159372607&origin=resultslist	10.3390/w15091681	2-s2.0-85159372607
Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/]HNC with 7.42% power conversion efficiency	Mansour, H.| Abd El.Halium, E.M.F.| Alrasheedi, N.F.H.| Zoromba, M.S.| Al-Hossainy, A.F.	2022	Journal of Molecular Structure	10	1.21	Mansour, H., Abd El.Halium, E.M.F., Alrasheedi, N.F.H. and 2 more (...) (2022).Physical properties and DFT calculations of the hybrid organic polymeric nanocomposite thin film [P(An+o-Aph)+Glycine/TiO2/]HNC with 7.42% power conversion efficiency. Journal of Molecular Structure,1262	https://www.scopus.com/record/display.url?eid=2-s2.0-85128310264&origin=resultslist	10.1016/j.molstruc.2022.133001	2-s2.0-85128310264
Thermal annealing effect on the structural and optical characteristics of silicon phthalocyanine dichloride thin films	El- Mallah, H.M.| Abd- El Salam, M.| ELesh, E.| El-Damhogi, D.G.	2020	Optik	10	0.8	El- Mallah, H.M., Abd- El Salam, M., ELesh, E. and 1 more (...) (2020).Thermal annealing effect on the structural and optical characteristics of silicon phthalocyanine dichloride thin films. Optik,200	https://www.scopus.com/record/display.url?eid=2-s2.0-85072624694&origin=resultslist	10.1016/j.ijleo.2019.163459	2-s2.0-85072624694

Implementation of boolean PSO for service restoration using distribution network reconfiguration simultaneously with distributed energy resources and capacitor banks	ElDesouky, A.A.| Reyad, E.M.| Mahmoud, G.A.	2020	International Journal of Renewable Energy Research	10	0.32	ElDesouky, A.A., Reyad, E.M., Mahmoud, G.A. (2020).Implementation of boolean PSO for service restoration using distribution network reconfiguration simultaneously with distributed energy resources and capacitor banks. International Journal of Renewable Energy Research,10(1) 354-365	https://www.scopus.com/record/display.url?eid=2-s2.0-85085123623&origin=resultslist	-	2-s2.0-85085123623
Optical losses and durability of flawed Fresnel lenses for concentrated photovoltaic application	Alzahrani, M.| Ahmed, A.| Shanks, K.| Sundaram, S.| Mallick, T.	2020	Materials Letters	9	0.67	Alzahrani, M., Ahmed, A., Shanks, K. and 2 more (...) (2020).Optical losses and durability of flawed Fresnel lenses for concentrated photovoltaic application. Materials Letters,275	https://www.scopus.com/record/display.url?eid=2-s2.0-85086444609&origin=resultslist	10.1016/j.matlet.2020.128145	2-s2.0-85086444609
Sustainable Building Optimization Model for Early-Stage Design	Elbeltagi, E.| Wefki, H.| Khallaf, R.	2023	Buildings	9	2.12	Elbeltagi, E., Wefki, H., Khallaf, R. (2023).Sustainable Building Optimization Model for Early-Stage Design. Buildings,13(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85164492295&origin=resultslist	10.3390/buildings13010074	2-s2.0-85164492295
Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm	Alhussan, A.A.| El-Kenawy, E.-S.M.| Saeed, M.A.| Ibrahim, A.| Abdelhamid, A.A.| Eid, M.M.| El-Said, M.| Khafaga, D.S.| Abualigah, L.| Elbaksawi, O.	2023	Frontiers in Energy Research	9	1.58	Alhussan, A.A., El-Kenawy, E.-S.M., Saeed, M.A. and 7 more (...) (2023).Green hydrogen production ensemble forecasting based on hybrid dynamic optimization algorithm. Frontiers in Energy Research,11	https://www.scopus.com/record/display.url?eid=2-s2.0-85164922295&origin=resultslist	10.3389/fenrg.2023.1221006	2-s2.0-85164922295

Multi-functional core-shell pomegranate peel amended alginate beads for phenol decontamination and bio-hydrogen production: Synthesis, characterization, and kinetics investigation	El-Qelish, M.| Elgarahy, A.M.| Ibrahim, H.S.| El-Kholly, H.K.| Gad, M.| M. Ali, M.E.	2023	Biochemical Engineering Journal	9	1.82	El-Qelish, M., Elgarahy, A.M., Ibrahim, H.S. and 3 more (...) (2023).Multi-functional core-shell pomegranate peel amended alginate beads for phenol decontamination and bio-hydrogen production: Synthesis, characterization, and kinetics investigation. Biochemical Engineering Journal,195	https://www.scopus.com/record/display.url?eid=2-s2.0-85152100999&origin=resultslist	10.1016/j.bej.2023.108932	2-s2.0-85152100999
Effect of (SbS) addition on the physical properties of quaternary (CdTe)100-x(SbS)x (0 ≤ x ≤ 28 at. %) glasses and band gap engineering	Boukhris, I.| Kebaili, I.| Neffati, R.| Dahshan, A.	2020	Applied Physics A: Materials Science and Processing	9	0.49	Boukhris, I., Kebaili, I., Neffati, R. and 1 more (...) (2020).Effect of (SbS) addition on the physical properties of quaternary (CdTe)100-x(SbS)x (0 ≤ x ≤ 28 at. %) glasses and band gap engineering. Applied Physics A: Materials Science and Processing,126(7)	https://www.scopus.com/record/display.url?eid=2-s2.0-85086568134&origin=resultslist	10.1007/s00339-020-03703-2	2-s2.0-85086568134
Surface modification of Co3O4 nanostructures using wide range of natural compounds from rotten apple juice for the efficient oxygen evolution reaction	Laghari, A.J.| Aftab, U.| Shah, A.A.| Solangi, M.Y.| Abro, M.I.| Al-Saeedi, S.I.| Naeim, N.| Nafady, A.| Vigolo, B.| Emo, M.| Molina, A.I.| Tahira, A.| Ibhupoto, Z.H.	2023	International Journal of Hydrogen Energy	9	1.55	Laghari, A.J., Aftab, U., Shah, A.A. and 10 more (...) (2023).Surface modification of Co3O4 nanostructures using wide range of natural compounds from rotten apple juice for the efficient oxygen evolution reaction. International Journal of Hydrogen Energy,48(41) 15447-15459	https://www.scopus.com/record/display.url?eid=2-s2.0-85146637798&origin=resultslist	10.1016/j.ijhydene.2023.01.072	2-s2.0-85146637798

Effects of turbulence modelling on the predictions of the pressure distribution around the wing of a small scale vertical axis wind turbine	Elsakka, M.M.| Ingham, D.B.| Ma, L.| Pourkashanian, M.	2020	Proceedings of the 6th European Conference on Computational Mechanics: Solids, Structures and Coupled Problems, ECCM 2018 and 7th European Conference on Computational Fluid Dynamics, ECFD 2018	9	4.05	Elsakka, M.M., Ingham, D.B., Ma, L. and 1 more (...) (2020).Effects of turbulence modelling on the predictions of the pressure distribution around the wing of a small scale vertical axis wind turbine. Proceedings of the 6th European Conference on Computational Mechanics: Solids, Structures and Coupled Problems, ECCM 2018 and 7th European Conference on Computational Fluid Dynamics, ECFD 2018,3921-3931	https://www.scopus.com/record/display.url?eid=2-s2.0-85081056531&origin=resultslist	-	2-s2.0-85081056531
Comprehensive Review of Renewable Energy Communication Modeling for Smart Systems	Ugwu, J.| Odo, K.C.| Ohanu, C.P.| García, J.| Georgious, R.	2023	Energies	9	0.65	Ugwu, J., Odo, K.C., Ohanu, C.P. and 2 more (...) (2023).Comprehensive Review of Renewable Energy Communication Modeling for Smart Systems. Energies,16(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85145665580&origin=resultslist	10.3390/en16010409	2-s2.0-85145665580
Wind–water experimental analysis of small sc-darrieus turbine: An approach for energy production in urban systems	Gharib-Yosry, A.| Blanco-Marigorta, E.| Fernández-Jiménez, A.| Espina-Valdés, R.| Álvarez-álvarez, E.	2021	Sustainability (Switzerland)	8	0.58	Gharib-Yosry, A., Blanco-Marigorta, E., Fernández-Jiménez, A. and 2 more (...) (2021).Wind–water experimental analysis of small sc-darrieus turbine: An approach for energy production in urban systems. Sustainability (Switzerland),13(9)	https://www.scopus.com/record/display.url?eid=2-s2.0-85105987755&origin=resultslist	10.3390/su13095256	2-s2.0-85105987755

Experimental study on the motion response of an integrated floating desalination plant and offshore wind turbine on a non-ship platform	Amin, I.| Dai, S.| Day, S.| Ali, M.E.A.| Balah, A.| Shawky, H.| Oterkus, S.| Oterkus, E.	2021	Ocean Engineering	8	0.6	Amin, I., Dai, S., Day, S. and 5 more (...) (2021).Experimental study on the motion response of an integrated floating desalination plant and offshore wind turbine on a non-ship platform. Ocean Engineering,234	https://www.scopus.com/record/display.url?eid=2-s2.0-85108684182&origin=resultslist	10.1016/j.oceaneng.2021.109275	2-s2.0-85108684182
Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes	Bassam, A.M.| Amin, I.| Mohamed, A.| Elminshawy, N.A.S.| Soliman, H.Y.M.| Elhenawy, Y.| Premchander, A.| Oterkus, S.| Oterkus, E.	2023	Ocean Engineering	8	1.6	Bassam, A.M., Amin, I., Mohamed, A. and 6 more (...) (2023).Conceptual design of a novel partially floating photovoltaic integrated with smart energy storage and management system for Egyptian North Lakes. Ocean Engineering,279	https://www.scopus.com/record/display.url?eid=2-s2.0-85153847203&origin=resultslist	10.1016/j.oceaneng.2023.114416	2-s2.0-85153847203
Fabrication, characterization and optical properties of poly(p-phenylenediamine- co–o-aminophenol) nanostructure thin film	Al-Hossainy, A.F.| Zoromba, M.S.	2021	Applied Physics A: Materials Science and Processing	8	0.45	Al-Hossainy, A.F., Zoromba, M.S. (2021).Fabrication, characterization and optical properties of poly(p-phenylenediamine-co–o-aminophenol) nanostructure thin film. Applied Physics A: Materials Science and Processing,127(4)	https://www.scopus.com/record/display.url?eid=2-s2.0-85103351204&origin=resultslist	10.1007/s00339-021-04434-8	2-s2.0-85103351204

Maximum Power Extraction from Polymer Electrolyte Membrane (PEM) Fuel Cell Based on Deterministic Particle Swarm Optimization Algorithm	Elbaz, A.| Elfar, M.H.| Kalas, A.| Refaat, A.	2022	Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 202	8	4.01	Elbaz, A., Elfar, M.H., Kalas, A. and 1 more (...) (2022).Maximum Power Extraction from Polymer Electrolyte Membrane (PEM) Fuel Cell Based on Deterministic Particle Swarm Optimization Algorithm. Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022,613-619	https://www.scopus.com/record/display.url?eid=2-s2.0-85129527444&origin=resultslist	10.1109/ElConRus54750.2022.9755807	2-s2.0-85129527444
Optical component analysis for ultrahigh concentrated photovoltaic system (UHCPV)	Alzahrani, M.| Ahmed, A.| Shanks, K.| Sundaram, S.| Mallick, T.	2021	Solar Energy	8	0.41	Alzahrani, M., Ahmed, A., Shanks, K. and 2 more (...) (2021).Optical component analysis for ultrahigh concentrated photovoltaic system (UHCPV). Solar Energy,227321-333	https://www.scopus.com/record/display.url?eid=2-s2.0-85115005968&origin=resultslist	10.1016/j.solener.2021.09.019	2-s2.0-85115005968
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.	2022	Journal of Physics: Conference Series	8	7.7	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)	https://www.scopus.com/record/display.url?eid=2-s2.0-85137181697&origin=resultslist	10.1088/1742-6596/2305/1/012035	2-s2.0-85137181697

Synthesis, structural and optical characterizations of ZrO2-bromothymol blue nanocomposite thin-film [ZrO2+BTB]C and its application: experimental and TDD-DFT computations	Mogharbel, R.T.| Al-Hossainy, A.F.| Ibrahim, A.| El-Aal, M.A.| Zoromba, M.S.| Ibrahim, S.M.| Yahia, A.| Farhan, N.	2022	Journal of Materials Science: Materials in Electronics	8	2.16	Mogharbel, R.T., Al-Hossainy, A.F., Ibrahim, A. and 5 more (...) (2022).Synthesis, structural and optical characterizations of ZrO2-bromothymol blue nanocomposite thin-film [ZrO2+BTB]C and its application: experimental and TDD-DFT computations. Journal of Materials Science: Materials in Electronics,33(26) 20556-20576	https://www.scopus.com/record/display.url?eid=2-s2.0-85136091042&origin=resultslist	10.1007/s10854-022-08869-4	2-s2.0-85136091042
Two Bio-inspired MPPT Algorithms to Harvest the Maximum Power from Partially Shaded PV Arrays	Khalifa, A.-E.| Refaat, A.| Kalas, A.| Elfar, M.H.	2022	Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022	8	4.01	Khalifa, A.-E., Refaat, A., Kalas, A. and 1 more (...) (2022).Two Bio-inspired MPPT Algorithms to Harvest the Maximum Power from Partially Shaded PV Arrays. Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022,670-674	https://www.scopus.com/record/display.url?eid=2-s2.0-85129526979&origin=resultslist	10.1109/ElConRus54750.2022.9755769	2-s2.0-85129526979
Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas	Eshra, N.M.| Amin, I.	2020	2nd International Conference on Electrical, Communication and Computer Engineering	8	1.25	Eshra, N.M., Amin, I. (2020).Hybrid Floating Power Station driven by Renewable Energy for Saudi Arabia Coastal Areas. 2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020,	https://www.scopus.com/record/display.url?eid=2-s2.0-85091905888&origin=resultslist	10.1109/ICECCE49384.2020.9179476	2-s2.0-85091905888

Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings	Ismaeil, E.M.H.| Sobaih, A.E.E.	2022	Buildings	7	0.92	Ismaeil, E.M.H., Sobaih, A.E.E. (2022).Enhancing Healing Environment and Sustainable Finishing Materials in Healthcare Buildings. Buildings,12(10)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85140779319&origin=resultslist	10.3390/buildings12101676	2-s2.0-85140779319
A demand side response scheme for enhancing power system security in the presence of wind power	El-Araby, E.E.| Yorino, N.	2023	International Journal of Electrical Power and Energy Systems	7	1.35	El-Araby, E.E., Yorino, N. (2023).A demand side response scheme for enhancing power system security in the presence of wind power. International Journal of Electrical Power and Energy Systems,146	https://www.scopus.com/record/display.uri?eid=2-s2.0-85141430579&origin=resultslist	10.1016/j.ijepes.2022.108714	2-s2.0-85141430579
High-performance 2D/3D hybrid dimensional p-n heterojunction solar cell with reduced recombination rate by an interfacial layer	Hegazy, H.H.| Afzal, A.M.| Dahshan, A.| Iqbal, M.W.| Kebaili, I.	2022	Journal of Materials Chemistry C	7	0.68	Hegazy, H.H., Afzal, A.M., Dahshan, A. and 2 more (...) (2022).High-performance 2D/3D hybrid dimensional p-n heterojunction solar cell with reduced recombination rate by an interfacial layer. Journal of Materials Chemistry C,10(40) 14982-14992	https://www.scopus.com/record/display.uri?eid=2-s2.0-85139515840&origin=resultslist	10.1039/d2tc02548e	2-s2.0-85139515840
Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades	Elhenawy, Y.| Fouad, Y.| Marouani, H.| Bassyouni, M.	2021	Processes	7	0.48	Elhenawy, Y., Fouad, Y., Marouani, H. and 1 more (...) (2021).Simulation of glass fiber reinforced polypropylene nanocomposites for small wind turbine blades. Processes,9(4)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85104231550&origin=resultslist	10.3390/pr9040622	2-s2.0-85104231550

A Recommendation System for Electric Vehicles Users Based on Restricted Boltzmann Machine and WaterWheel Plant Algorithms	Ibrahim, A.| El-Kenawy, E.-S.M.| Eid, M.M.| Abdelhamid, A.A.| El-Said, M.| Alharbi, A.H.| Khafaga, D.S.| Awad, W.A.| Rizk, R.Y.| Bailek, N.| Saeed, M.A.	2023	IEEE Access	6	1.32	Ibrahim, A., El-Kenawy, E.-S.M., Eid, M.M. and 8 more (...) (2023).A Recommendation System for Electric Vehicles Users Based on Restricted Boltzmann Machine and WaterWheel Plant Algorithms. IEEE Access,11145111-145136	https://www.scopus.com/record/display.url?eid=2-s2.0-85181547239&origin=resultslist	10.1109/ACCESS.2023.3345342	2-s2.0-85181547239
Combined experimental and TDDFT computational studies of the optical and electrical characteristic of luminol films-doped TiO2 with 9.027% power conversion efficiency	Mansour, H.| Abd El. Halium, E.M.F.| Alrasheedi, N.F.H.| Zoromba, M.S.| Al-Hossainy, A.F.	2022	Journal of Materials Science: Materials in Electronics	6	0.72	Mansour, H., Abd El. Halium, E.M.F., Alrasheedi, N.F.H. and 2 more (...) (2022).Combined experimental and TDDFT computational studies of the optical and electrical characteristic of luminol films-doped TiO2 with 9.027% power conversion efficiency. Journal of Materials Science: Materials in Electronics,33(8) 5244-5264	https://www.scopus.com/record/display.url?eid=2-s2.0-85123076782&origin=resultslist	10.1007/s10854-022-07713-z	2-s2.0-85123076782
Impacts of decreasing Nile flow on the Nile Valley aquifer in El-Minia Governorate, Egypt	El-Rawy, M.| Moghazy, H.E.| Eltarabily, M.G.	2021	Alexandria Engineering Journal	6	0.58	El-Rawy, M., Moghazy, H.E., Eltarabily, M.G. (2021).Impacts of decreasing Nile flow on the Nile Valley aquifer in El-Minia Governorate, Egypt. Alexandria Engineering Journal,60(2) 2179-2192	https://www.scopus.com/record/display.url?eid=2-s2.0-85098691370&origin=resultslist	10.1016/j.aej.2020.12.037	2-s2.0-85098691370
Design of photovoltaic system using buck-boost converter based on MPPT with PID controller	Elbaksawi, O.	2019	Universal Journal of Electrical and Electronic Engineering	6	0.43	Elbaksawi, O. (2019).Design of photovoltaic system using buck-boost converter based on MPPT with PID controller. Universal Journal of Electrical and Electronic Engineering,6(5) 314-322	https://www.scopus.com/record/display.url?eid=2-s2.0-85078656043&origin=resultslist	10.13189/ujeee.2019.060502	2-s2.0-85078656043

Seismic interpretation and sequence stratigraphic analysis of the Bahariya Formation in the South Umbaraka oilfields (Western Desert, Egypt): insights into reservoir distribution, architecture, and evaluation	Shehata, A.A.| Abdel-Fattah, M.I.| Hamdan, H.A.| Sarhan, M.A.	2023	Geomechanics and Geophysics for Geo-Energy and Geo-Resources	6	1.63	Shehata, A.A., Abdel-Fattah, M.I., Hamdan, H.A. and 1 more (...) (2023).Seismic interpretation and sequence stratigraphic analysis of the Bahariya Formation in the South Umbaraka oilfields (Western Desert, Egypt): insights into reservoir distribution, architecture, and evaluation. Geomechanics and Geophysics for Geo-Energy and Geo-Resources,9(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85174279044&origin=resultslist	10.1007/s40948-023-00673-6	2-s2.0-85174279044
Reliability and temperature limits of the focal spot of a primary optical component for an ultra-high concentrated photovoltaic system	Ahmed, A.| Alzahrani, M.| Shanks, K.| Sundaram, S.| Mallick, T.K.	2022	AIP Conference Proceedings	6	5.78	Ahmed, A., Alzahrani, M., Shanks, K. and 2 more (...) (2022).Reliability and temperature limits of the focal spot of a primary optical component for an ultra-high concentrated photovoltaic system. AIP Conference Proceedings,2550	https://www.scopus.com/record/display.url?eid=2-s2.0-85138278171&origin=resultslist	10.1063/5.0099091	2-s2.0-85138278171
Technical and economic feasibility of the first wind farm on the coast of Mediterranean Sea	Ahmed, A.S.	2021	Ain Shams Engineering Journal	6	0.58	Ahmed, A.S. (2021).Technical and economic feasibility of the first wind farm on the coast of Mediterranean Sea. Ain Shams Engineering Journal,12(2) 2145-2151	https://www.scopus.com/record/display.url?eid=2-s2.0-85099624275&origin=resultslist	10.1016/j.asej.2020.10.017	2-s2.0-85099624275

Impact of indium content on the thermoelectric power, dark conductivity, and photoconductivity of Ge–As–Te thin films	Znaidia, S.| Kebaili, I.| Boukhris, I.| Neffati, R.| Somaily, H.H.| Algarni, H.| Hegazy, H.H.| Aly, K.A.| Dahshan, A.	2020	Applied Physics A: Materials Science and Processing	6	0.27	Znaidia, S., Kebaili, I., Boukhris, I. and 6 more (...) (2020).Impact of indium content on the thermoelectric power, dark conductivity, and photoconductivity of Ge–As–Te thin films. Applied Physics A: Materials Science and Processing,126(3)	https://www.scopus.com/record/display.url?eid=2-s2.0-85078838912&origin=resultslist	10.1007/s00339-020-3321-2	2-s2.0-85078838912
Coupling DFIG-Based Wind Turbines with the Grid under Voltage Imbalance Conditions	Sobhy, A.| Abo-Khalil, A.G.| Lei, D.| Salameh, T.| Merabet, A.| Alkasrawi, M.	2022	Sustainability (Switzerland)	5	0.58	Sobhy, A., Abo-Khalil, A.G., Lei, D. and 3 more (...) (2022).Coupling DFIG-Based Wind Turbines with the Grid under Voltage Imbalance Conditions. Sustainability (Switzerland),14(9)	https://www.scopus.com/record/display.url?eid=2-s2.0-85129051787&origin=resultslist	10.3390/su14095076	2-s2.0-85129051787
Optoelectronic and photo response performance of n-tris phenylpyridinato iridium/p-Si heterojunction device for photovoltaic applications	El-Damhogi, D.G.| El-Shabaan, M.M.| Abul-Nasr, K.T.| Mohamed, Z.| Elesh, E.	2023	Chinese Journal of Physics	5	1.05	El-Damhogi, D.G., El-Shabaan, M.M., Abul-Nasr, K.T. and 2 more (...) (2023).Optoelectronic and photo response performance of n-tris phenylpyridinato iridium/p-Si heterojunction device for photovoltaic applications. Chinese Journal of Physics,85660-673	https://www.scopus.com/record/display.url?eid=2-s2.0-85170054418&origin=resultslist	10.1016/j.cjph.2023.03.025	2-s2.0-85170054418
Effect of the decrease of Pb concentration on the properties of pentarnary mixed-halide perovskites CsPb8-xSnxIBr2 and CsPb8-xSnxI2Br (1≤x≤7) for solar-cell applications: A DFT study	Ahmed, H.| Jalil, A.| Ilyas, S.Z.| Agathopoulos, S.| Ahmed, I.| Zhao, T.| Dahshan, A.	2022	Journal of Physics and Chemistry of Solids	5	0.5	Ahmed, H., Jalil, A., Ilyas, S.Z. and 4 more (...) (2022).Effect of the decrease of Pb concentration on the properties of pentarnary mixed-halide perovskites CsPb8-xSnxIBr2 and CsPb8-xSnxI2Br (1≤x≤7) for solar-cell applications: A DFT study. Journal of Physics and Chemistry of Solids,161	https://www.scopus.com/record/display.url?eid=2-s2.0-85117083113&origin=resultslist	10.1016/j.jpcs.2021.110429	2-s2.0-85117083113

Erosional reservoir for the northern segment of the Arabian-Nubian shield: Constrains from U-Pb geochronology of the lower palaeozoic succession, North Eastern Desert, Egypt	Mansour, S.| Hasebe, N.| Tamura, A.	2023	Precambrian Research	5	1.61	Mansour, S., Hasebe, N., Tamura, A. (2023).Erosional reservoir for the northern segment of the Arabian-Nubian shield: Constrains from U-Pb geochronology of the lower palaeozoic succession, North Eastern Desert, Egypt. Precambrian Research,388	https://www.scopus.com/record/display.uri?eid=2-s2.0-85150853425&origin=resultslist	10.1016/j.precamres.2023.107017	2-s2.0-85150853425
An examination of hub wind turbine utilizing fluid-structure interaction strategy	Yassen, Y.E.S.| Abdelhameed, A.S.| Elshorbagy, K.A.	2023	Alexandria Engineering Journal	5	1.24	Yassen, Y.E.S., Abdelhameed, A.S., Elshorbagy, K.A. (2023).An examination of hub wind turbine utilizing fluid-structure interaction strategy. Alexandria Engineering Journal,641-11	https://www.scopus.com/record/display.uri?eid=2-s2.0-85138130738&origin=resultslist	10.1016/j.aej.2022.08.042	2-s2.0-85138130738
Performance Analysis of Fog-Based Radio Access Networks	Abdel-Atty, H.M.| Alhumaima, R.S.| Abuelenin, S.M.| Anowr, E.A.	2019	IEEE Access	5	0.39	Abdel-Atty, H.M., Alhumaima, R.S., Abuelenin, S.M. and 1 more (...) (2019).Performance Analysis of Fog-Based Radio Access Networks. IEEE Access,7106195-106203	https://www.scopus.com/record/display.uri?eid=2-s2.0-85071148093&origin=resultslist	10.1109/ACCESS.2019.2930666	2-s2.0-85071148093
Probabilistic Assessment of Available Transfer Capability Incorporating Load and Wind Power Uncertainties	Reyad, H.W.| Elfar, M.| El-Araby, E.E.	2023	IEEE Access	5	1.1	Reyad, H.W., Elfar, M., El-Araby, E.E. (2023).Probabilistic Assessment of Available Transfer Capability Incorporating Load and Wind Power Uncertainties. IEEE Access,1139048-39065	https://www.scopus.com/record/display.uri?eid=2-s2.0-85153533914&origin=resultslist	10.1109/ACCESS.2023.3268544	2-s2.0-85153533914

Numerical Investigations on Latent Heat Storage Unit using Phase Change Material	Amer, A.E.| Lebedev, V.A.	2020	Journal of Physics: Conference Series	5	3.07	Amer, A.E., Lebedev, V.A. (2020).Numerical Investigations on Latent Heat Storage Unit using Phase Change Material. Journal of Physics: Conference Series,1565(1)	https://www.scopus.com/record/display.url?eid=2-s2.0-85090201773&origin=resultslist	10.1088/1742-6596/1565/1/012099	2-s2.0-85090201773
Whale optimization algorithm for maximum power point tracker for controlling induction motor driven by photovoltaic system	El-Baksawi, O.	2019	WSEAS Transactions on Power Systems	5	0.34	El-Baksawi, O. (2019).Whale optimization algorithm for maximum power point tracker for controlling induction motor driven by photovoltaic system. WSEAS Transactions on Power Systems,1470-78	https://www.scopus.com/record/display.url?eid=2-s2.0-85076169602&origin=resultslist	-	2-s2.0-85076169602
Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters	Hassan, A.M.	2023	Buildings	5	0.47	Hassan, A.M. (2023).Solar Chimney Performance Driven Air Ventilation Promotion: An Investigation of Various Configuration Parameters. Buildings,13(11)	https://www.scopus.com/record/display.url?eid=2-s2.0-85178365158&origin=resultslist	10.3390/buildings13112796	2-s2.0-85178365158
Environmentally-driven design of a floating desalination platform (Case study: Reverse osmosis floating desalination platform of ras gharib, Egypt)	Bayoumi, S.| Ali, M.E.A.| Amin, I.| El Torky, R.| Oterkus, S.| Shawky, H.| Oterkus, E.	2021	AIMS Energy	5	0.29	Bayoumi, S., Ali, M.E.A., Amin, I. and 4 more (...) (2021).Environmentally-driven design of a floating desalination platform (Case study: Reverse osmosis floating desalination platform of ras gharib, Egypt). AIMS Energy,9(3) 623-650	https://www.scopus.com/record/display.url?eid=2-s2.0-85108560360&origin=resultslist	10.3934/energy.2021030	2-s2.0-85108560360
Simulating mitigation scenarios for natural and artificial inlets closure through validated morphodynamic models	Masria, A.| El-Adawy, A.| Eltarabily, M.G.	2021	Regional Studies in Marine Science	5	0.61	Masria, A., El-Adawy, A., Eltarabily, M.G. (2021).Simulating mitigation scenarios for natural and artificial inlets closure through validated morphodynamic models. Regional Studies in Marine Science,47	https://www.scopus.com/record/display.url?eid=2-s2.0-85122807644&origin=resultslist	10.1016/j.rsma.2021.101991	2-s2.0-85122807644

Electronic, optical and magnetic characteristics of v doped BeS	Ambreen, H.| Aldaghfag, S.A.| Yaseen, M.| Iqbal, J.| Zahid, M.| Dahshan, A.| Hegazy, H.H.	2022	Physica Scripta	5	0.8	Ambreen, H., Aldaghfag, S.A., Yaseen, M. and 4 more (...) (2022).Electronic, optical and magnetic characteristics of v doped BeS. Physica Scripta,97(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85130139326&origin=resultslist	10.1088/1402-4896/ac6910	2-s2.0-85130139326
Power performance assessment of vertical-axis tidal turbines using an experimental test rig	Fernández-Jiménez, A.| Álvarez-álvarez, E.| López, M.| Fouz, M.| López, I.| Gharib-Yosry, A.| Claus, R.| Carballo, R.	2021	Energies	5	0.37	Fernández-Jiménez, A., Álvarez-álvarez, E., López, M. and 5 more (...) (2021).Power performance assessment of vertical-axis tidal turbines using an experimental test rig. Energies,14(20)	https://www.scopus.com/record/display.url?eid=2-s2.0-85117273592&origin=resultslist	10.3390/en14206686	2-s2.0-85117273592
A study of 2H and 1T phases of Janus monolayers and their van der Waals heterostructure with black phosphorene for optoelectronic and thermoelectric applications	Abid, A.| Haneef, M.| Ali, S.| Dahshan, A.	2022	Journal of Solid State Chemistry	5	0.59	Abid, A., Haneef, M., Ali, S. and 1 more (...) (2022).A study of 2H and 1T phases of Janus monolayers and their van der Waals heterostructure with black phosphorene for optoelectronic and thermoelectric applications. Journal of Solid State Chemistry,311	https://www.scopus.com/record/display.url?eid=2-s2.0-85129388715&origin=resultslist	10.1016/j.jssc.2022.123159	2-s2.0-85129388715
Forecasting of Short-Term and Long-Term Wind Speed of Ras-Gharib Using Time Series Analysis	El-Kashty, O.A.| Daoud, A.A.| El-Araby, E.E.	2023	International Journal of Renewable Energy Research	4	0.61	El-Kashty, O.A., Daoud, A.A., El-Araby, E.E. (2023).Forecasting of Short-Term and Long-Term Wind Speed of Ras-Gharib Using Time Series Analysis. International Journal of Renewable Energy Research,13(1) 258-272	https://www.scopus.com/record/display.url?eid=2-s2.0-85151542178&origin=resultslist	10.20508/ijrer.v13i1.13785.g8680	2-s2.0-85151542178

Polymeric solar cell with 18.06% efficiency based on poly(para-nitroaniline)/TiO2 composites	Alturki, A.A.| Alharbi, A.F.| Zoromba, M.S.| Abdel-Aziz, M.H.| Al-Hossainy, A.F.	2023	Optical Materials	4	0.94	Alturki, A.A., Alharbi, A.F., Zoromba, M.S. and 2 more (...) (2023).Polymeric solar cell with 18.06% efficiency based on poly(para-nitroaniline)/TiO2 composites. Optical Materials,136	https://www.scopus.com/record/display.uri?eid=2-s2.0-85146710565&origin=resultslist	10.1016/j.optmat.2023.113502	2-s2.0-85146710565
Energy Efficiency Optimization for Relay Deployment in Multi-User LTE-Advanced Networks	AboHashish, S.M.M.| Rizk, R.Y.| Zaki, F.W.	2019	Wireless Personal Communications	4	0.16	AboHashish, S.M.M., Rizk, R.Y., Zaki, F.W. (2019).Energy Efficiency Optimization for Relay Deployment in Multi-User LTE-Advanced Networks. Wireless Personal Communications,108(1) 297-323	https://www.scopus.com/record/display.uri?eid=2-s2.0-85065142976&origin=resultslist	10.1007/s11277-019-06404-z	2-s2.0-85065142976
A novel renewable energy powered zero liquid discharge scheme for RO desalination applications	Gadalla, M.A.| Abdel Fatah, A.| Elazab, H.A.	2023	Case Studies in Chemical and Environmental Engineering	4	0.8	Gadalla, M.A., Abdel Fatah, A., Elazab, H.A. (2023).A novel renewable energy powered zero liquid discharge scheme for RO desalination applications. Case Studies in Chemical and Environmental Engineering,8	https://www.scopus.com/record/display.uri?eid=2-s2.0-85164359844&origin=resultslist	10.1016/j.cscee.2023.100407	2-s2.0-85164359844
Offshore wind power integration to support weak grid voltage for industrial loads using VSC-HVDC transmission system	Daoud, A.A.| Abouzeid, A.F.| Dessouky, S.S.	2021	International Journal of Electrical and Computer Engineering	4	0.32	Daoud, A.A., Abouzeid, A.F., Dessouky, S.S. (2021).Offshore wind power integration to support weak grid voltage for industrial loads using VSC-HVDC transmission system. International Journal of Electrical and Computer Engineering,11(3) 1876-1885	https://www.scopus.com/record/display.uri?eid=2-s2.0-85101165908&origin=resultslist	10.11591/ijece.v11i3.pp1876-1885	2-s2.0-85101165908

Gamma radiation induced variation in structure formation and optical characteristics of evaporated tris [2-phenylpyridinato-C2,N]iridium(III) films prepared by electron beam evaporator in photovoltaic applications	Elesh, E.| El Damhogi, D.G.| Mohamed, Z.	2023	Physica Scripta	4	1.16	Elesh, E., El Damhogi, D.G., Mohamed, Z. (2023).Gamma radiation induced variation in structure formation and optical characteristics of evaporated tris [2-phenylpyridinato-C2,N]iridium(III) films prepared by electron beam evaporator in photovoltaic applications. Physica Scripta,98(3)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85148449420&origin=resultslist	10.1088/1402-4896/acb5cd	2-s2.0-85148449420
Tunable electronic and magnetic properties of single layer CdS via Li substitutional doping: A first-principle study	Ur Rahman, A.| Sadiq, T.| Khan, R.| Anwar, R.| Gul, B.| Dahshan, A.	2022	Journal of Physics and Chemistry of Solids	4	0.3	Ur Rahman, A., Sadiq, T., Khan, R. and 3 more (...) (2022).Tunable electronic and magnetic properties of single layer CdS via Li substitutional doping: A first-principle study. Journal of Physics and Chemistry of Solids,161	https://www.scopus.com/record/display.uri?eid=2-s2.0-85115632845&origin=resultslist	10.1016/j.jpcs.2021.110380	2-s2.0-85115632845
A retrofitting framework for improving curtain wall performance by the integration of adaptive technologies	Tolba, L.E.| El Mokadem, A.A.| Badawy, N.| Shahda, M.M.	2023	Journal of Building Engineering	4	0.87	Tolba, L.E., El Mokadem, A.A., Badawy, N. and 1 more (...) (2023).A retrofitting framework for improving curtain wall performance by the integration of adaptive technologies. Journal of Building Engineering,80	https://www.scopus.com/record/display.uri?eid=2-s2.0-85176407845&origin=resultslist	10.1016/j.jobe.2023.107979	2-s2.0-85176407845
Proposed hybrid power system for short route ferries	Yehia, W.| Kamar, L.| Hassan, M.A.| Moustafa, M.M.	2020	Nase More	4	0.15	Yehia, W., Kamar, L., Hassan, M.A. and 1 more (...) (2020).Proposed hybrid power system for short route ferries. Nase More,67(3) 226-231	https://www.scopus.com/record/display.uri?eid=2-s2.0-85092172651&origin=resultslist	10.17818/NM/2020/3.6	2-s2.0-85092172651

A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant	Ayyad, A.| Abbas, A.| Elminshawy, N.	2021	Discover Sustainability	4	0.3	Ayyad, A., Abbas, A., Elminshawy, N. (2021).A simulation study of the effect of post-combustion amine-based carbon-capturing integrated with solar thermal collectors for combined cycle gas power plant. Discover Sustainability,2(1)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85138793797&origin=resultslist	10.1007/s43621-021-00018-x	2-s2.0-85138793797
Forecasting Methods in Various Applications Using Algorithm of Estimation Regression Models and Converting Data Sets into Markov Model	El Genidy, M.M.| Beheary, M.S.	2022	Complexity	4	0.45	El Genidy, M.M., Beheary, M.S. (2022).Forecasting Methods in Various Applications Using Algorithm of Estimation Regression Models and Converting Data Sets into Markov Model. Complexity,2022	https://www.scopus.com/record/display.uri?eid=2-s2.0-85124276566&origin=resultslist	10.1155/2022/2631939	2-s2.0-85124276566
Study the Effect of Winglet Height Length on the Aerodynamic Performance of Horizontal Axis Wind Turbines Using Computational Investigation	Abdelghany, E.S.| Sarhan, H.H.| Alahmadi, R.| Farghaly, M.B.	2023	Energies	4	0.79	Abdelghany, E.S., Sarhan, H.H., Alahmadi, R. and 1 more (...) (2023).Study the Effect of Winglet Height Length on the Aerodynamic Performance of Horizontal Axis Wind Turbines Using Computational Investigation. Energies,16(13)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85164977103&origin=resultslist	10.3390/en16135138	2-s2.0-85164977103
Neural Fuzzy Control of the Indoor Air Quality Onboard a RO–RO Ship Garage	Agamy, H.| Abdelgeliel, M.| Mosleh, M.| Elserafy, K.| Mohamed, N.A.N.	2020	International Journal of Fuzzy Systems	3	0.22	Agamy, H., Abdelgeliel, M., Mosleh, M. and 2 more (...) (2020).Neural Fuzzy Control of the Indoor Air Quality Onboard a RO–RO Ship Garage. International Journal of Fuzzy Systems,22(3) 1020-1035	https://www.scopus.com/record/display.uri?eid=2-s2.0-85079746860&origin=resultslist	10.1007/s40815-020-00804-1	2-s2.0-85079746860

3D MHD dusty nanofluid flow within cubic heterogeneous porous enclosures with hot and cold cylinders using non-homogeneous nanofluid model	Ahmed, S.E.| Arafa, A.A.M.	2023	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	3	0.38	Ahmed, S.E., Arafa, A.A.M. (2023).3D MHD dusty nanofluid flow within cubic heterogeneous porous enclosures with hot and cold cylinders using non-homogeneous nanofluid model. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering,237(4) 1202-1213	https://www.scopus.com/record/display.url?eid=2-s2.0-85134732121&origin=resultslist	10.1177/09544089221115271	2-s2.0-85134732121
Elastic moduli and theoretical estimations of physical properties of Ge3Se7–As2Te3	El-Denglawey, A.| Dahshan, A.| Aly, K.A.| Saddeek, Y.B.	2021	Current Applied Physics	3	0.19	El-Denglawey, A., Dahshan, A., Aly, K.A. and 1 more (...) (2021).Elastic moduli and theoretical estimations of physical properties of Ge3Se7–As2Te3. Current Applied Physics,31214-220	https://www.scopus.com/record/display.url?eid=2-s2.0-85114738415&origin=resultslist	10.1016/j.cap.2021.08.013	2-s2.0-85114738415
Synthesis, Structural, Time-Dependent Density-Functional Theory, Thermal Annealing and Optical Properties for Doped Polymer Nanostructured Thin Films as Optoelectronic Devices	Al-Hossainy, A.F.| Zoromba, M.Sh.	2021	Polymer (Korea)	3	0.23	Al-Hossainy, A.F., Zoromba, M.Sh. (2021).Synthesis, Structural, Time-Dependent Density-Functional Theory, Thermal Annealing and Optical Properties for Doped Polymer Nanostructured Thin Films as Optoelectronic Devices. Polymer (Korea),45(4) 541-551	https://www.scopus.com/record/display.url?eid=2-s2.0-85124474777&origin=resultslist	10.7317/pk.2021.45.4.541	2-s2.0-85124474777
Design and implementation of voltage source converters in HVDC systems	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	3	1.67	Ibrahim, N.F., Dessouky, S.S. (2021).Design and implementation of voltage source converters in HVDC systems. Power Systems,1-98	https://www.scopus.com/record/display.url?eid=2-s2.0-85090885181&origin=resultslist	-	2-s2.0-85090885181

Mechanical properties and band gap estimations of stoichiometric GeSe2-As2Se3 glasses	El-Denglawey, A.| Dahshan, A.| Aly, K.A.| Saddeek, Y.B.	2021	Optik	3	0.24	El-Denglawey, A., Dahshan, A., Aly, K.A. and 1 more (...) (2021).Mechanical properties and band gap estimations of stoichiometric GeSe2-As2Se3 glasses. Optik,245	https://www.scopus.com/record/display.url?eid=2-s2.0-85111297156&origin=resultslist	10.1016/j.ijleo.2021.167693	2-s2.0-85111297156
Improving Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration	Elmetwaly, A.H.| Eldesouky, A.A.| Fekry, H.M.| Younis, R.A.| Barnawi, A.B.| Elbarbary, Z.M.S.| Salem, A.A.	2023	IEEE Access	3	0.66	Elmetwaly, A.H., Eldesouky, A.A., Fekry, H.M. and 4 more (...) (2023).Improving Power Quality Problems of Isolated MG Based on ANN Under Different Operating Conditions Through PMS and ASSC Integration. IEEE Access,1199822-99835	https://www.scopus.com/record/display.url?eid=2-s2.0-85169704544&origin=resultslist	10.1109/ACCESS.2023.3311369	2-s2.0-85169704544
A Comparative Study of Two Metaheuristic MPPT Techniques to Extract Maximum Power from PV Array under Different Partial Shading Patterns	Refaat, A.| Kalas, A.| Khalifa, A.-E.| Elfar, M.H.	2023	IEEE Conference on Power Electronics and Renewable Energy, CPERE 2023	3	4.78	Refaat, A., Kalas, A., Khalifa, A.-E. and 1 more (...) (2023).A Comparative Study of Two Metaheuristic MPPT Techniques to Extract Maximum Power from PV Array under Different Partial Shading Patterns. IEEE Conference on Power Electronics and Renewable Energy, CPERE 2023,	https://www.scopus.com/record/display.url?eid=2-s2.0-85160212658&origin=resultslist	10.1109/CPERE56564.2023.10119626	2-s2.0-85160212658
Impacts of Constructing the Grand Ethiopian Renaissance Dam on the Nile River	Elsanabary, M.H.| Ahmed, A.T.	2019	Handbook of Environmental Chemistry	3	0.53	Elsanabary, M.H., Ahmed, A.T. (2019).Impacts of Constructing the Grand Ethiopian Renaissance Dam on the Nile River. Handbook of Environmental Chemistry,7975-93	https://www.scopus.com/record/display.url?eid=2-s2.0-85055656099&origin=resultslist	10.1007/698_2017_228	2-s2.0-85055656099

Recent Advances in Floating Photovoltaic Systems	Ahmed, A.| Elsakka, M.| Elminshawy, N.| Mohamed, A.| Sundaram, S.	2023	Chemical Record	3	0.23	Ahmed, A., Elsakka, M., Elminshawy, N. and 2 more (...) (2023).Recent Advances in Floating Photovoltaic Systems. Chemical Record,23(12)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85173817115&origin=resultslist	10.1002/tcr.202300229	2-s2.0-85173817115
Investigating the Kinetic Parameters in the Thermal Analysis of Jojoba Cake	Madany, N.M.| Gadalla, M.A.| Ashour, F.H.| Abadir, M.F.	2023	Egyptian Journal of Chemistry	3	0.55	Madany, N.M., Gadalla, M.A., Ashour, F.H. and 1 more (...) (2023).Investigating the Kinetic Parameters in the Thermal Analysis of Jojoba Cake. Egyptian Journal of Chemistry,66(7) 245-256	https://www.scopus.com/record/display.uri?eid=2-s2.0-85164573954&origin=resultslist	10.21608/EJCHEM.2022.160576.6924	2-s2.0-85164573954
Comprehensive Optimisation of Biodiesel Production Conditions via Supercritical Methanolysis of Waste Cooking Oil	Aboelazayem, O.| Gadalla, M.| Saha, B.	2022	Energies	3	0.31	Aboelazayem, O., Gadalla, M., Saha, B. (2022).Comprehensive Optimisation of Biodiesel Production Conditions via Supercritical Methanolysis of Waste Cooking Oil. Energies,15(10)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85130763201&origin=resultslist	10.3390/en15103766	2-s2.0-85130763201
Statistical modeling of the daily global solar radiation in Queensland, Australia	El Genidy, M.M.	2019	Songklanakarin Journal of Science and Technology	3	0.03	El Genidy, M.M. (2019).Statistical modeling of the daily global solar radiation in Queensland, Australia. Songklanakarin Journal of Science and Technology,41(6) 1381-1387	https://www.scopus.com/record/display.uri?eid=2-s2.0-85075472127&origin=resultslist	-	2-s2.0-85075472127

Control Strategies for VSC Based HVDC during Grid Faults: A Comparative Study of Selection Criteria of Currents Reference	Ibrahim, N.F.| Fawzi, M.| Ibrahim, H.A.| Dessouky, S.S.	2019	2019 21st International Middle East Power Systems Conference, MEPCON 2019 - Proceedings	3	0.74	Ibrahim, N.F., Fawzi, M., Ibrahim, H.A. and 1 more (...) (2019).Control Strategies for VSC Based HVDC during Grid Faults: A Comparative Study of Selection Criteria of Currents Reference. 2019 21st International Middle East Power Systems Conference, MEPCON 2019 - Proceedings,311-315	https://www.scopus.com/record/display.url?eid=2-s2.0-85081788119&origin=resultslist	10.1109/MEPCON47431.2019.9008207	2-s2.0-85081788119
Design and Three-Dimensional Simulation of a Solar Dish-Stirling Engine	El-Ghafour, S.A.| Mikhael, N.| El-Ghandour, M.	2021	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	3	0.26	El-Ghafour, S.A., Mikhael, N., El-Ghandour, M. (2021).Design and Three-Dimensional Simulation of a Solar Dish-Stirling Engine. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences,82(1) 51-76	https://www.scopus.com/record/display.url?eid=2-s2.0-85105243245&origin=resultslist	10.37934/arfmts.82.1.5176	2-s2.0-85105243245
AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY	Gharib-Yosry, A.| Valdes, R.E.| Blanco-Marigorta, E.| Alvarez-Alvarez, E.	2022	Proceedings of ASME 2022 16th International Conference on Energy Sustainability, ES 2022	3	2.07	Gharib-Yosry, A., Valdes, R.E., Blanco-Marigorta, E. and 1 more (...) (2022).AN APPROXIMATION OF USING VERTICAL-AXIS TIDAL TURBINE FOR WATER DESALINATION IN THE SUEZ CANAL WATERWAY. Proceedings of ASME 2022 16th International Conference on Energy Sustainability, ES 2022,	https://www.scopus.com/record/display.url?eid=2-s2.0-85140788437&origin=resultslist	10.1115/ES2022-85533	2-s2.0-85140788437

Enhanced biodiesel production with improved oxidation stability by water addition to supercritical methanolysis	Umar, Y.| Aboelazayem, O.| Gadalla, M.A.| Saha, B.	2022	Canadian Journal of Chemical Engineering	3	0.3	Umar, Y., Aboelazayem, O., Gadalla, M.A. and 1 more (...) (2022).Enhanced biodiesel production with improved oxidation stability by water addition to supercritical methanolysis. Canadian Journal of Chemical Engineering,100(9) 2587-2607	https://www.scopus.com/record/display.url?eid=2-s2.0-85135065587&origin=resultslist	10.1002/cjce.24475	2-s2.0-85135065587
The Effect of Novel Longitudinal Branched Fins on the Performance of the Latent Heat Accumulator based on Shell-and-Tube Configuration	Amer, A.E.| Lebedev, V.A.| Elsakka, M.M.	2023	International Journal of Renewable Energy Research	3	0.45	Amer, A.E., Lebedev, V.A., Elsakka, M.M. (2023).The Effect of Novel Longitudinal Branched Fins on the Performance of the Latent Heat Accumulator based on Shell-and-Tube Configuration. International Journal of Renewable Energy Research,13(2) 768-777	https://www.scopus.com/record/display.url?eid=2-s2.0-85165150174&origin=resultslist	10.20508/ijrer.v13i2.13836.g8752	2-s2.0-85165150174
Distortion management of the pulse without and in the presence of Compton scattering in a three level atomic configuration	Ali, W.| Ahmad, J.| Haneef, M.| Bacha, B.A.| Khan, H.| Abid, A.| Khan, B.| Dahshan, A.	2021	European Physical Journal Plus	3	0.23	Ali, W., Ahmad, J., Haneef, M. and 5 more (...) (2021).Distortion management of the pulse without and in the presence of Compton scattering in a three level atomic configuration. European Physical Journal Plus,136(7)	https://www.scopus.com/record/display.url?eid=2-s2.0-85110230740&origin=resultslist	10.1140/epjp/s13360-021-01721-4	2-s2.0-85110230740
Fabrication and characterization of polypyrrole/multi-walled carbon nanotubes thin films using thermal evaporation	Attar, A.| Alharthy, R.D.| Zwawi, M.| Algarni, M.| Albatati, F.| Bassyouni, M.| Abdel-Aziz, M.H.| Zoromba, M.S.| Al-Hossainy, A.F.	2021	Polymers	3	0.2	Attar, A., Alharthy, R.D., Zwawi, M. and 6 more (...) (2021).Fabrication and characterization of polypyrrole/multi-walled carbon nanotubes thin films using thermal evaporation. Polymers,13(22)	https://www.scopus.com/record/display.url?eid=2-s2.0-85120002900&origin=resultslist	10.3390/polym13224045	2-s2.0-85120002900

Optimal performance of actuator disc models for horizontal-axis turbines	Wood, D.H.| Hammam, M.M.	2022	Frontiers in Energy Research	3	0.28	Wood, D.H., Hammam, M.M. (2022).Optimal performance of actuator disc models for horizontal-axis turbines. Frontiers in Energy Research,10	https://www.scopus.com/record/display.url?eid=2-s2.0-85142139013&origin=resultslist	10.3389/fenrg.2022.971177	2-s2.0-85142139013
Highly flexible wind turbine blades utilizing corrugated surface hinges	Elsheikh, M.E.	2021	Coatings	2	0.14	Elsheikh, M.E. (2021).Highly flexible wind turbine blades utilizing corrugated surface hinges. Coatings,11(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85107544387&origi	10.3390/coatings11060635	2-s2.0-85107544
Vsc-hvdc control system	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	2	1.11	Ibrahim, N.F., Dessouky, S.S. (2021).Vsc-hvdc control system. Power Systems,15-30	https://www.scopus.com/record/display.url?eid=2-s2.0-85090908509	10.1007/978-3-030-	2-s2.0-85090908
Maximum Power Point Tracking for Grid-tied PV System Using Adaptive Neuro-Fuzzy Inference System	Osman, M.H.| Elseify, M.A.| Ahmed, M.K.| Korovkin, N.V.| Refaat, A.	2021	Proceedings - ICOECS 2021: 2021 International Conference on Electrotechnical Complexes and Systems	2	0.89	Osman, M.H., Elseify, M.A., Ahmed, M.K. and 2 more (...) (2021).Maximum Power Point Tracking for Grid-tied PV System Using Adaptive Neuro-Fuzzy Inference System. Proceedings - ICOECS 2021: 2021 International Conference on Electrotechnical Complexes and Systems,534-540	https://www.scopus.com/record/display.url?eid=2-s2.0-85124808279&origin=resultslist	10.1109/ICOECS52783.2021.9657445	2-s2.0-85124808279
Electrical properties of ternary Cux(Ge3Se7)100-x thin films	El-Denglawey, A.| Aly, K.A.| Saddeek, Y.B.| Dahshan, A.	2021	Optik	2	0.16	El-Denglawey, A., Aly, K.A., Saddeek, Y.B. and 1 more (...) (2021).Electrical properties of ternary Cux(Ge3Se7)100-x thin films. Optik,226	https://www.scopus.com/record/display.url?eid=2-s2.0-85096550086&origin=resultslist	10.1016/j.ijleo.2020.165919	2-s2.0-85096550086
Fuzzy Logic-Pitch Angle Controller for SCIG based Wind Turbine	Salem, A.A.| Eldesouky, A.A.	2021	Proceedings of 2021 31st Australasian Universities Power Engineering Conference AUPEC	2	0.96	Salem, A.A., Eldesouky, A.A. (2021).Fuzzy Logic-Pitch Angle Controller for SCIG based Wind Turbine. Proceedings of 2021 31st Australasian Universities Power Engineering Conference, AUPEC 2021,	https://www.scopus.com/record/display.url?eid=2-s2.0-85123279874&origin=resultslist	10.1109/AUPEC52110.2021.9597776	2-s2.0-85123279874

High-Performance Glazing for Enhancing Sustainable Environment in Arid Region's Healthcare Projects	Ismaeil, E.M.H.| Sobaih, A.E.E.	2023	Buildings	2	0.47	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)	https://www.scopus.com/record/display.url?eid=2-s2.0-85160662737&origin=resultslist	10.3390/buildings13051243	2-s2.0-85160662737
Waste cooking oil valorisation into biodiesel using supercritical methanolysis: Critical assessment on the effect of water content	Umar, Y.| Aboelazayem, O.| Echresh, Z.| Gadalla, M.| Saha, B.	2019	European Biomass Conference and Exhibition Proceedings	2	1.78	Umar, Y., Aboelazayem, O., Echresh, Z. and 2 more (...) (2019).Waste cooking oil valorisation into biodiesel using supercritical methanolysis: Critical assessment on the effect of water content. European Biomass Conference and Exhibition Proceedings,1495-1500	https://www.scopus.com/record/display.url?eid=2-s2.0-85071062620&origin=resultslist	-	2-s2.0-85071062620
An Anthropomorphic Wind Turbine Blade	El-Sheikh, M.A.	2019	Journal of Energy Resources Technology, Transactions	2	0.07	El-Sheikh, M.A. (2019).An Anthropomorphic Wind Turbine Blade. Journal of Energy Resources Technology, Transactions of the ASME,141(11)	https://www.scopus.com/record/display.url?eid=2-s2.0-85066396241&origin=resultslist	10.1115/1.4043696	2-s2.0-85066396241
A novel hybrid compact system of photovoltaic solar still air gap membrane distillation for the simultaneous production of water and energy	Alanezi, A.A.| Hakobyan, A.| Hakobyan, A.| Bassyouni, M.	2023	Desalination and Water Treatment	2	0.46	Alanezi, A.A., Hakobyan, A., Hakobyan, A. and 1 more (...) (2023).A novel hybrid compact system of photovoltaic solar still air gap membrane distillation for the simultaneous production of water and energy. Desalination and Water Treatment,2921-9	https://www.scopus.com/record/display.url?eid=2-s2.0-85162086970&origin=resultslist	10.5004/dwt.2023.29493	2-s2.0-85162086970

A Modified Phase Shift Control of the Dual Active Bridge-Based Modular Power Electronic Transformer to Minimize the LVdc Side Voltage Ripples under Unbalanced Load Conditions	Fawzi, M.| Abdelsalam, I.| Aboushady, A.A.| Abdel Maksoud, S.A.	2022	IEEE Access	2	0.23	Fawzi, M., Abdelsalam, I., Aboushady, A.A. and 1 more (...) (2022).A Modified Phase Shift Control of the Dual Active Bridge-Based Modular Power Electronic Transformer to Minimize the LVdc Side Voltage Ripples under Unbalanced Load Conditions. IEEE Access,1081309-81322	https://www.scopus.com/record/display.url?eid=2-s2.0-85135754605&origin=resultslist	10.1109/ACCESS.2022.3195941	2-s2.0-85135754605
Optimal planning for sustainable and cost-effective power generation on the Red Sea coast	Ahmed, A.S.	2020	Sustainable Energy Technologies and Assessments	2	0.11	Ahmed, A.S. (2020).Optimal planning for sustainable and cost-effective power generation on the Red Sea coast. Sustainable Energy Technologies and Assessments,42	https://www.scopus.com/record/display.url?eid=2-s2.0-85094628579&origin=resultslist	10.1016/j.seta.2020.100891	2-s2.0-85094628579
A Centralized Protection Scheme for Microgrids with Artificial Neural Network-Based on Fault Detection and Location	Kabeel, M.A.| Eladany, M.M.| Eldesouky, A.A.	2022	2022 23rd International Middle East Power Systems Conference, MEPCON 2022	2	1.41	Kabeel, M.A., Eladany, M.M., Eldesouky, A.A. (2022).A Centralized Protection Scheme for Microgrids with Artificial Neural Network-Based on Fault Detection and Location. 2022 23rd International Middle East Power Systems Conference, MEPCON 2022,	https://www.scopus.com/record/display.url?eid=2-s2.0-85147704509&origin=resultslist	10.1109/MEPCON55441.2022.10021790	2-s2.0-85147704509
Switching schemes of the bidirectional buck-boost converter for energy storage system	Georgious, R.| Saeed, S.| Garcia, J.| Garcia, P.	2020	2020 IEEE Vehicle Power and Propulsion Conference, VPPC 2020 - Proceedings	2	0.67	Georgious, R., Saeed, S., Garcia, J. and 1 more (...) (2020).Switching schemes of the bidirectional buck-boost converter for energy storage system. 2020 IEEE Vehicle Power and Propulsion Conference, VPPC 2020 - Proceedings,	https://www.scopus.com/record/display.url?eid=2-s2.0-85101994719&origin=resultslist	10.1109/VPPC49601.2020.9330869	2-s2.0-85101994719

An Integrated Approach for Demand Response and Wind Curtailment Management in Distribution Systems	El-Kashty, O.A.| Daoud, A.A.| El-Araby, E.E.	2023	International Journal of Renewable Energy Research	2	0.3	El-Kashty, O.A., Daoud, A.A., El-Araby, E.E. (2023).An Integrated Approach for Demand Response and Wind Curtailment Management in Distribution Systems. International Journal of Renewable Energy Research,13(2) 636-652	https://www.scopus.com/record/display.url?eid=2-s2.0-85165146758&origin=resultslist	10.20508/ijrer.v13i2.14197.g8734	2-s2.0-85165146758
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.	2023	Buildings	2	0.47	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)	https://www.scopus.com/record/display.url?eid=2-s2.0-85160610723&origin=resultslist	10.3390/buildings13051110	2-s2.0-85160610723
First principle study of er, co-doped fe and yb of nabif6; a promising materials for optoelectronic and transport properties; probed by dft	Ullah, S.| Azam, S.| Gul, B.| Subhan, F.| Muhammad, S.| Dahshan, A.| Ahmad, S.S.| Kalsoom, A.| Faisal, S.| Hegazy, H.H.	2021	Digest Journal of Nanomaterials and Biostructures	2	0.15	Ullah, S., Azam, S., Gul, B. and 7 more (...) (2021).First principle study of er, co-doped fe and yb of nabif6; a promising materials for optoelectronic and transport properties; probed by dft. Digest Journal of Nanomaterials and Biostructures,16(3) 823-830	https://www.scopus.com/record/display.url?eid=2-s2.0-85111125876&origin=resultslist	-	2-s2.0-85111125876
Peridynamic Modelling of Propagation of Cracks in Photovoltaic Panels	Premchander, A.| Amin, I.| Oterkus, S.| Oterkus, E.| Shawky Elminshawy, N.A.	2022	Procedia Structural Integrity	2	2.36	Premchander, A., Amin, I., Oterkus, S. and 2 more (...) (2022).Peridynamic Modelling of Propagation of Cracks in Photovoltaic Panels. Procedia Structural Integrity,41(C) 305-316	https://www.scopus.com/record/display.url?eid=2-s2.0-85134562563&origin=resultslist	10.1016/j.prostr.2022.05.036	2-s2.0-85134562563

Towards energy efficient relay deployment in multi-user LTE-A networks	AboHashish, S.M.M.| Rizk, R.Y.| Zaki, F.W.	2019	IET Communications	2	0.08	AboHashish, S.M.M., Rizk, R.Y., Zaki, F.W. (2019).Towards energy efficient relay deployment in multi-user LTE-A networks. IET Communications,13(17) 2688-2696	https://www.scopus.com/record/display.url?eid=2-s2.0-85073720229&origin=resultslist	10.1049/iet-com.2018.5034	2-s2.0-85073720229
Surface plasmon polariton at the interface of dielectric and graphene medium using the Doppler broadening effect	Ahmad, F.| Bakhtawar| Haneef, M.| Khan, H.| Abid, A.| Dahshan, A.	2022	Laser Physics	2	0.24	Ahmad, F., Bakhtawar, Haneef, M. and 3 more (...) (2022).Surface plasmon polariton at the interface of dielectric and graphene medium using the Doppler broadening effect. Laser Physics,32(6)	https://www.scopus.com/record/display.url?eid=2-s2.0-85132400870&origin=resultslist	10.1088/1555-6611/ac6ac4	2-s2.0-85132400870
Experimental Validation of Second-Order Adaptive Fuzzy Logic Controller for Grid-Connected DFIG Wind Power Plant	Elnaghi, B.E.| Abelwhab, M.N.| Abdel-Kader, F.E.S.A.| Ismaiel, A.M.| Mohammed, R.H.| Dessouki, M.E.	2023	IEEE Access	1	0.22	Elnaghi, B.E., Abelwhab, M.N., Abdel-Kader, F.E.S.A. and 3 more (...) (2023).Experimental Validation of Second-Order Adaptive Fuzzy Logic Controller for Grid-Connected DFIG Wind Power Plant. IEEE Access,11135255-135271	https://www.scopus.com/record/display.url?eid=2-s2.0-85179584978&origin=resultslist	10.1109/ACCESS.2023.3337829	2-s2.0-85179584978
INTERNET OF ENERGY APPLIED TO WATER HYDROKINETIC SMART-GRIDS: A TEST RIG EXAMPLE	Gharib-Yosry, A.| Fernandez-Jimenez, A.| Pacheco, V.M.F.| Rico-Secades, M.	2022	Proceedings of ASME 2022 16th International Conference on Energy Sustainability, ES 2022	1	0.69	Gharib-Yosry, A., Fernandez-Jimenez, A., Pacheco, V.M.F. and 1 more (...) (2022).INTERNET OF ENERGY APPLIED TO WATER HYDROKINETIC SMART-GRIDS: A TEST RIG EXAMPLE. Proceedings of ASME 2022 16th International Conference on Energy Sustainability, ES 2022,	https://www.scopus.com/record/display.url?eid=2-s2.0-85140763782&origin=resultslist	10.1115/ES2022-85552	2-s2.0-85140763782

Enhancement of the performance of wireless sensor networks using the multihop multiantenna power beacon path selection method in intelligent structures	Hammad, A.| Mohamed, M.A.| Abdel-Atty, H.M.	2022	PLoS ONE	1	0.1	Hammad, A., Mohamed, M.A., Abdel-Atty, H.M. (2022).Enhancement of the performance of wireless sensor networks using the multihop multiantenna power beacon path selection method in intelligent structures. PLoS ONE,17(11)	https://www.scopus.com/record/display.url?eid=2-s2.0-85141892481&origin=resultslist	10.1371/journal.pone.0276940	2-s2.0-85141892481
Hybrid concentrator photovoltaic/membrane distillation system for potable water production using new fabricated PS/ZIF_L membrane	Rabie, M.| Elrasheedy, A.| Zkria, A.| Elkady, M.F.| Yoshitake, T.| El-Shazly, A.H.	2023	Journal of Water Process Engineering	1	0.19	Rabie, M., Elrasheedy, A., Zkria, A. and 3 more (...) (2023).Hybrid concentrator photovoltaic/membrane distillation system for potable water production using new fabricated PS/ZIF_L membrane. Journal of Water Process Engineering,53	https://www.scopus.com/record/display.url?eid=2-s2.0-85160813966&origin=resultslist	10.1016/j.jwpe.2023.103872	2-s2.0-85160813966
Experimentally validated simplified prediction model of unloaded spar-buoy wave energy converter motions' responses in waves	Bayoumi, S.| Amin, I.| Oterkus, E.| Incecik, A.	2022	Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy	1	0.1	Bayoumi, S., Amin, I., Oterkus, E. and 1 more (...) (2022).Experimentally validated simplified prediction model of unloaded spar-buoy wave energy converter motions' responses in waves. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy,236(8) 1608-1620	https://www.scopus.com/record/display.url?eid=2-s2.0-85132668625&origin=resultslist	10.1177/09576509221098482	2-s2.0-85132668625

DFT Study of Lead-Free Mixed-Halide Materials Cs2X2Y2 (X, Y = F, Cl, Br, I) for Optoelectronic Applications	Ahmed, H.| Ilyas, S.Z.| Jalil, A.| Agathopoulos, S.| Dahshan, A.	2021	Journal of Electronic Materials	1	0.08	Ahmed, H., Ilyas, S.Z., Jalil, A. and 2 more (...) (2021).DFT Study of Lead-Free Mixed-Halide Materials Cs2X2Y2 (X, Y = F, Cl, Br, I) for Optoelectronic Applications. Journal of Electronic Materials,50(10) 5647-5655	https://www.scopus.com/record/display.url?eid=2-s2.0-85110831562&origin=resultslist	10.1007/s11664-021-09083-4	2-s2.0-85110831562
Vsc-hvdc under ac and dc fault conditions	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	1	0.56	Ibrahim, N.F., Dessouky, S.S. (2021).Vsc-hvdc under ac and dc fault conditions. Power Systems,31-51	https://www.scopus.com/record/display.url?eid=2-s2.0-85090916824&origi	10.1007/978-3-030-51661-	2-s2.0-85090916
Forecasting wind power based on an improved al-Biruni Earth radius metaheuristic optimization algorithm	Saeed, M.A.| Ibrahim, A.| El-Kenawy, E.-S.M.| Abdelhamid, A.A.| El-Said, M.| Abualigah, L.| Alharbi, A.H.| Khafaga, D.S.| Elbaksawi, O.	2023	Frontiers in Energy Research	1	0.18	Saeed, M.A., Ibrahim, A., El-Kenawy, E.-S.M. and 6 more (...) (2023).Forecasting wind power based on an improved al-Biruni Earth radius metaheuristic optimization algorithm. Frontiers in Energy Research,11	https://www.scopus.com/record/display.url?eid=2-s2.0-85166394637&origin=resultslist	10.3389/fenrg.2023.1220085	2-s2.0-85166394637
Improving the functional performance of outdoor spaces in hot arid region using photovoltaics systems	Basaly, L.G.| Ibrahim, M.G.| Badawy, N.M.| Refaat Abdelaal, M.| Ali, A.A.M.	2019	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	1	0.6	Basaly, L.G., Ibrahim, M.G., Badawy, N.M. and 2 more (...) (2019).Improving the functional performance of outdoor spaces in hot arid region using photovoltaics systems. 2019 Advances in Science and Engineering Technology International Conferences, ASET 2019,	https://www.scopus.com/record/display.url?eid=2-s2.0-85067075689&origin=resultslist	10.1109/ICASET.2019.8714508	2-s2.0-85067075689

Power grids with renewable energy: Storage, integration and digitalization	Sallam, A.A.| Malik, O.P.	2021	Power Grids with Renewable Energy: Storage, integration and	1	0.15	Sallam, A.A., Malik, O.P. (2021).Power grids with renewable energy: Storage, integration and digitalization. Power Grids with Renewable Energy: Storage, integration and digitalization,1-570	https://www.scopus.com/record/display.uri?eid=2-s2.0-85114563620&origin=resultslist	-	2-s2.0-85114563620
An enhanced multi-objective algorithm for virtual machine placement in the cloud computing environment	Elsedimy, E.I.| Algarni, F.	2019	Journal of Computational and Theoretical Nanoscience	1	0	Elsedimy, E.I., Algarni, F. (2019).An enhanced multi-objective algorithm for virtual machine placement in the cloud computing environment. Journal of Computational and Theoretical Nanoscience,16(5-6) 1821-1827	https://www.scopus.com/record/display.uri?eid=2-s2.0-85068583438&origin=resultslist	10.1166/jctn.2019.8151	2-s2.0-85068583438
Experimental and Simulation Study of Solar-Powered Air-Gap Membrane Distillation Technology for Water Desalination	Abu-Zeid, M.A.-R.| Bassyouni, M.| Fouad, Y.| Monica, T.| Sandid, A.M.| Elhenawy, Y.	2023	Membranes	1	0.19	Abu-Zeid, M.A.-R., Bassyouni, M., Fouad, Y. and 3 more (...) (2023).Experimental and Simulation Study of Solar-Powered Air-Gap Membrane Distillation Technology for Water Desalination. Membranes,13(10)	https://www.scopus.com/record/display.uri?eid=2-s2.0-85175008951&origin=resultslist	10.3390/membranes13100821	2-s2.0-85175008951
Critical Assessment of Current State of the Art in Wearable Sensor Nodes with Energy Harvesting Systems for Healthcare Applications	Alattar, A.E.| Elkaseer, A.| Scholz, S.| Mohsen, S.	2023	Lecture Notes in Networks and Systems	1	1	Alattar, A.E., Elkaseer, A., Scholz, S. and 1 more (...) (2023).Critical Assessment of Current State of the Art in Wearable Sensor Nodes with Energy Harvesting Systems for Healthcare Applications. Lecture Notes in Networks and Systems,561398-412	https://www.scopus.com/record/display.uri?eid=2-s2.0-85142015859&origin=resultslist	10.1007/978-3-031-18344-7_27	2-s2.0-85142015859

Hybrid MPPT-based predictive speed control model for variable speed PMSG wind energy conversion systems	Hashish, M.N.A.| Daoud, A.A.| Elfar, M.H.	2022	International Journal of Applied Power Engineering	1	0.1	Hashish, M.N.A., Daoud, A.A., Elfar, M.H. (2022).Hybrid MPPT-based predictive speed control model for variable speed PMSG wind energy conversion systems. International Journal of Applied Power Engineering,11(3) 218-228	https://www.scopus.com/record/display.uri?eid=2-s2.0-85162790136&origin=resultslist	10.11591/ijape.v11.i3.pp218-228	2-s2.0-85162790136
Increased efficiency of hydrokinetic turbines through the use of an obstacle on the channel bottom	Espina-Valdés, R.| Fernández-Álvarez, V.M.| Gharib-Yosry, A.| Fernández-Jiménez, A.| Álvarez-Álvarez, E.	2022	Ocean Engineering	1	0.11	Espina-Valdés, R., Fernández-Álvarez, V.M., Gharib-Yosry, A. and 2 more (...) (2022).Increased efficiency of hydrokinetic turbines through the use of an obstacle on the channel bottom. Ocean Engineering,266	https://www.scopus.com/record/display.uri?eid=2-s2.0-85140275054&origin=resultslist	10.1016/j.oceaneng.2022.112872	2-s2.0-85140275054
Performance Assessment of T-Source Inverter Fed Induction Motor Drives Based on Photovoltaics	Amin, A.A.| El-Kholy, E.E.| Dessouki, M.E.	2022	2022 23rd International Middle East Power Systems Conference, MEPCON 2022	1	0.71	Amin, A.A., El-Kholy, E.E., Dessouki, M.E. (2022).Performance Assessment of T-Source Inverter Fed Induction Motor Drives Based on Photovoltaics. 2022 23rd International Middle East Power Systems Conference, MEPCON 2022,	https://www.scopus.com/record/display.uri?eid=2-s2.0-85147697534&origin=resultslist	10.1109/MEPCON55441.2022.10021742	2-s2.0-85147697534
Protection of Wind Turbine Generators Using Microcontroller-Based Applications	Ibrahim, N.F.| Dessouky, S.S.| Mostafa Attia, H.E.| Kasem Alaboudy, A.H.	2022	Green Energy and Technology	1	0.74	Ibrahim, N.F., Dessouky, S.S., Mostafa Attia, H.E. and 1 more (...) (2022).Protection of Wind Turbine Generators Using Microcontroller-Based Applications. Green Energy and Technology,1-117	https://www.scopus.com/record/display.uri?eid=2-s2.0-85124553901&origin=resultslist	-	2-s2.0-85124553901

Aeroelastic modelling of tail fins for small wind turbines	Hammam, M.M.| Wood, D.H.	2022	Journal of Physics: Conference Series	1	0.96	Hammam, M.M., Wood, D.H. (2022).Aeroelastic modelling of tail fins for small wind turbines. Journal of Physics: Conference Series,2265(4)	https://www.scopus.com/record/display.url?eid=2-s2.0-85131898923&origin=resultslist	10.1088/1742-6596/2265/4/042073	2-s2.0-85131898923
New Efficient Configurations for Sour Wastewater Treatment	Gadalla, M.A.| Ghallab, A.| Mansour, A.M.| Ashour, F.H.| Elazab, H.A.	2022	Recent Innovations in Chemical Engineering	0	0	Gadalla, M.A., Ghallab, A., Mansour, A.M. and 2 more (...) (2022).New Efficient Configurations for Sour Wastewater Treatment. Recent Innovations in Chemical Engineering,15(1) 14-30	https://www.scopus.com/record/display.url?eid=2-s2.0-85134328327&origin=resultslist	10.2174/2405520415666211229123400	2-s2.0-85134328327
Conclusions and future work	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	0	0	Ibrahim, N.F., Dessouky, S.S. (2021).Conclusions and future work. Power Systems,99-100	https://www.scopus.com/record/display.url?eid=2-s2.0-85090908509	10.1007/978-3-030-	2-s2.0-85090908509
Conclusions and Future Work	Ibrahim, N.F.| Dessouky, S.S.| Mostafa Attia, H.E.| Kasem Alaboudy, A.H.	2022	Green Energy and Technology	0	0	Ibrahim, N.F., Dessouky, S.S., Mostafa Attia, H.E. and 1 more (...) (2022).Conclusions and Future Work. Green Energy and Technology,111-112	https://www.scopus.com/record/display.url?eid=2-s2.0-85124514035&origin=resultslist	10.1007/978-3-030-92628-1_7	2-s2.0-85124514035
Graphical analysis and revamping of crude distillation units under variable operational scenarios	Abo-mousa, A.G.| Kamel, D.A.| Elazab, H.A.| Gadalla, M.A.| Fouad, M.K.	2023	Case Studies in Chemical and Environmental Engineering	0	0	Abo-mousa, A.G., Kamel, D.A., Elazab, H.A. and 2 more (...) (2023).Graphical analysis and revamping of crude distillation units under variable operational scenarios. Case Studies in Chemical and Environmental Engineering,8	https://www.scopus.com/record/display.url?eid=2-s2.0-85173515245&origin=resultslist	10.1016/j.cscee.2023.100490	2-s2.0-85173515245

Experimental Setups and Results for Digital Relay Protection	Ibrahim, N.F.| Dessouky, S.S.| Mostafa Attia, H.E.| Kasem Alaboudy, A.H.	2022	Green Energy and Technology	0	0	Ibrahim, N.F., Dessouky, S.S., Mostafa Attia, H.E. and 1 more (...) (2022).Experimental Setups and Results for Digital Relay Protection. Green Energy and Technology,89-109	https://www.scopus.com/record/display.url?eid=2-s2.0-85124540895&origin=resultslist	10.1007/978-3-030-92628-1_6	2-s2.0-85124540895
Experimental investigation for hvdc system	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	0	0	Ibrahim, N.F., Dessouky, S.S. (2021).Experimental investigation for hvdc system. Power Systems,83-98	https://www.scopus.com/record/display.url?eid=2-s2.0-85090897563&origi	10.1007/978-3-030-51661-	2-s2.0-85090897
Finite Element Analysis for Dynamic Simulation of Composite HAWT Blade	Shamso, E.| El-Hadek, M.| Elsanabary, S.| El-Megharbel, A.| Soliman, R.M.	2023	International Journal of Renewable Energy Research	0	0	Shamso, E., El-Hadek, M., Elsanabary, S. and 2 more (...) (2023).Finite Element Analysis for Dynamic Simulation of Composite HAWT Blade. International Journal of Renewable Energy Research,13(2) 790-801	https://www.scopus.com/record/display.url?eid=2-s2.0-85165175705&origin=resultslist	10.20508/ijrer.v13i2.13914.g8754	2-s2.0-85165175705
Transient Behavior of Induction Generator Protective Relays	Ibrahim, N.F.| Dessouky, S.S.| Mostafa Attia, H.E.| Kasem Alaboudy, A.H.	2022	Green Energy and Technology	0	0	Ibrahim, N.F., Dessouky, S.S., Mostafa Attia, H.E. and 1 more (...) (2022).Transient Behavior of Induction Generator Protective Relays. Green Energy and Technology,59-68	https://www.scopus.com/record/display.url?eid=2-s2.0-85124574333&origin=resultslist	10.1007/978-3-030-92628-1_4	2-s2.0-85124574333
Protective Schemes for Induction Generator	Ibrahim, N.F.| Dessouky, S.S.| Mostafa Attia, H.E.| Kasem Alaboudy, A.H.	2022	Green Energy and Technology	0	0	Ibrahim, N.F., Dessouky, S.S., Mostafa Attia, H.E. and 1 more (...) (2022).Protective Schemes for Induction Generator. Green Energy and Technology,45-57	https://www.scopus.com/record/display.url?eid=2-s2.0-85124557926&origin=resultslist	10.1007/978-3-030-92628-1_3	2-s2.0-85124557926
Vsc-hvdc simulation results	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	0	0	Ibrahim, N.F., Dessouky, S.S. (2021).Vsc-hvdc simulation results. Power Systems,53-81	https://www.scopus.com/record/display.url?eid=2-s2.0-8509090	10.1007/978-3-030-	2-s2.0-8509090

Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical-Axis Wind Turbine	Yosry, A.G.| Álvarez, E.Á.| Valdés, R.E.| Francos, J.F.| Marigorta, E.B.	2023	Proceedings of the ASME Turbo Expo	0	0	Yosry, A.G., Álvarez, E.Á., Valdés, R.E. and 2 more (...) (2023).Wind Tunnel and OpenFOAM Flow Analysis of A High Solidity Vertical-Axis Wind Turbine. Proceedings of the ASME Turbo Expo,14	https://www.scopus.com/record/display.url?eid=2-s2.0-85177461441&origin=resultslist	10.1115/GT2023-103527	2-s2.0-85177461441
Graphical energy analysis and retrofit of heat exchanger network for a crude oil refinery: A case study	Kamel, D.| Gadalla, M.| Mustafa, I.| ALHajri, I.| Ashour, F.	2019	ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems	0	0	Kamel, D., Gadalla, M., Mustafa, I. and 2 more (...) (2019).Graphical energy analysis and retrofit of heat exchanger network for a crude oil refinery: A case study. ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems,2019-3883-3894	https://www.scopus.com/record/display.url?eid=2-s2.0-85083210795&origin=resultslist	-	2-s2.0-85083210795
Estimation of density of charged defect states in some glasses of SeTeSnPb system using low-temperature d.c. conductivity measurements	Saraswat, S.| Tomar, V.K.| Deolia, V.K.| Sharma, A.| Dahshan, A.| Mehta, N.	2021	Journal of Materials Science: Materials in Electronics	0	0	Saraswat, S., Tomar, V.K., Deolia, V.K. and 3 more (...) (2021).Estimation of density of charged defect states in some glasses of SeTeSnPb system using low-temperature d.c. conductivity measurements. Journal of Materials Science: Materials in Electronics,32(7) 9509-9516	https://www.scopus.com/record/display.url?eid=2-s2.0-85103099931&origin=resultslist	10.1007/s10854-021-05614-1	2-s2.0-85103099931

Recharging the Freshwater Coastal Aquifer of Sidi Kirayr Area Using Sustainable Infiltration Trenches	ElZahar, M.M.H.| Amin, M.M.M.	2023	International Journal of Environmental Science and Development	0	0	ElZahar, M.M.H., Amin, M.M.M. (2023).Recharging the Freshwater Coastal Aquifer of Sidi Kirayr Area Using Sustainable Infiltration Trenches. International Journal of Environmental Science and Development,14(2) 125-133	https://www.scopus.com/record/display.url?eid=2-s2.0-85159343853&origin=resultslist	10.18178/ijesd.2023.14.2.1424	2-s2.0-85159343853
THERMODYNAMIC ANALYSIS AND EXPERIMENTAL STUDY OF ALTERNATIVE BIOFUELS USING SAWDUST SLOW PYROLYSIS	Elhenawy, Y.| Fouad, K.| Bassyouni, M.| Gadalla, M.| Ashour, F.| Majozi, T.	2023	European Biomass Conference and Exhibition Proceedings	0	0	Elhenawy, Y., Fouad, K., Bassyouni, M. and 3 more (...) (2023).THERMODYNAMIC ANALYSIS AND EXPERIMENTAL STUDY OF ALTERNATIVE BIOFUELS USING SAWDUST SLOW PYROLYSIS. European Biomass Conference and Exhibition Proceedings,954-958	https://www.scopus.com/record/display.url?eid=2-s2.0-85174590069&origin=resultslist	-	2-s2.0-85174590069
Introduction	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	0	0	Ibrahim, N.F., Dessouky, S.S. (2021).Introduction. Power Systems,1-4	https://www.scopus.com/record/display.url?eid=2-s2.0-85090918	10.1007/978-3-030-	2-s2.0-85090918
Intensification of the rate of heat and mass transfer at the wall of a stirred tank reactor by integrating a helical coil turbulence promoter with the tank wall	Shokry, F.| Abd Elfattah, M.| Abdel-Aziz, M.H.| Farag, H.A.| Sedahmed, G.H.| El-Gayar, D.A.	2023	Experimental Heat Transfer	0	0	Shokry, F., Abd Elfattah, M., Abdel-Aziz, M.H. and 3 more (...) (2023).Intensification of the rate of heat and mass transfer at the wall of a stirred tank reactor by integrating a helical coil turbulence promoter with the tank wall. Experimental Heat Transfer,	https://www.scopus.com/record/display.url?eid=2-s2.0-85180895439&origin=resultslist	10.1080/08916152.2023.2298494	2-s2.0-85180895439

Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery	Sadek, M.A.| Gadalla, M.A.| Shedid, N.| Ahmed, D.| Elazab, H.A.	2023	Chemical Engineering Transactions	0	0	Sadek, M.A., Gadalla, M.A., Shedid, N. and 2 more (...) (2023).Simulation and Optimization of Waste Heat to Electricity through Organic Rankine Cycles (ORCs): a Case Study in an Oil Refinery. Chemical Engineering Transactions,9815-20	https://www.scopus.com/record/display.url?eid=2-s2.0-85159639247&origin=resultslist	10.3303/CET2398003	2-s2.0-85159639247
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle	Gadalla, M.A.| Elmasry, A.| Alhajri, I.| Ashour, F.H.| Elazab, H.A.	2021	Open Chemical Engineering Journal	0	0	Gadalla, M.A., Elmasry, A., Alhajri, I. and 2 more (...) (2021).Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle. Open Chemical Engineering Journal,151-9	https://www.scopus.com/record/display.url?eid=2-s2.0-85109182162&origin=resultslist	10.2174/1874123102115010001	2-s2.0-85109182162
An Evaluation of Firefly and Flower Pollination Techniques Used to Harvest Maximum Power from PEMFC	Elbaz, A.| Refaat, A.| Elfar, M.H.| Kalas, A.	2023	2023 24th International Middle East Power System Conference, MEPCON 2023	0	0	Elbaz, A., Refaat, A., Elfar, M.H. and 1 more (...) (2023).An Evaluation of Firefly and Flower Pollination Techniques Used to Harvest Maximum Power from PEMFC. 2023 24th International Middle East Power System Conference, MEPCON 2023,	https://www.scopus.com/record/display.url?eid=2-s2.0-85190380704&origin=resultslist	10.1109/MEPCON58725.2023.10462430	2-s2.0-85190380704

Process synthesis and simulation of furfural production from rice straw biowaste	Sherif, N.| Kamel, D.| Abdelaziz, O.| Labib, M.| Hulteberg, C.| Ashour, F.| Gadalla, M.	2019	ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental	0	0	Sherif, N., Kamel, D., Abdelaziz, O. and 4 more (...) (2019).Process synthesis and simulation of furfural production from rice straw biowaste. ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems,2019-4105-4113	https://www.scopus.com/record/display.uri?eid=2-s2.0-85083245694&origin=resultslist	-	2-s2.0-85083245694
Diagnostic Strategies for Microturbines Operating Status Applied to Predictive Maintenance: Experimental Test Case	Álvarez, E.Á.| Yosry, A.G.| Jiménez, A.F.| Rodríguez, A.C.| Secades, M.R.	2023	Proceedings of the ASME Turbo Expo	0	0	Álvarez, E.Á., Yosry, A.G., Jiménez, A.F. and 2 more (...) (2023).Diagnostic Strategies for Microturbines Operating Status Applied to Predictive Maintenance: Experimental Test Case. Proceedings of the ASME Turbo Expo,14	https://www.scopus.com/record/display.uri?eid=2-s2.0-85177442718&origin=resultslist	10.1115/GT2023-104182	2-s2.0-85177442718
Remagnetization Strategies for Induction Machines Operating with Reduced Flux Levels	Abouzeid, A.F.| Guerrero, J.M.| Vicente, I.| Muniategui, I.| Endemaño, A.| Briz, F.	2022	2022 International Conference on Electrical Machines, ICEM 2022	0	0	Abouzeid, A.F., Guerrero, J.M., Vicente, I. and 3 more (...) (2022).Remagnetization Strategies for Induction Machines Operating with Reduced Flux Levels. 2022 International Conference on Electrical Machines, ICEM 2022,2249-2255	https://www.scopus.com/record/display.uri?eid=2-s2.0-85141090108&origin=resultslist	10.1109/ICEM51905.2022.9910738	2-s2.0-85141090108
Introduction and Previous Work	Ibrahim, N.F.| Dessouky, S.S.| Mostafa Attia, H.E.| Kasem Alaboudy, A.H.	2022	Green Energy and Technology	0	0	Ibrahim, N.F., Dessouky, S.S., Mostafa Attia, H.E. and 1 more (...) (2022).Introduction and Previous Work. Green Energy and Technology,1-18	https://www.scopus.com/record/display.uri?eid=2-s2.0-85124548248&origin=resultslist	10.1007/978-3-030-92628-1_1	2-s2.0-85124548248

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.	2023	Microbial Biosystems	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	https://www.scopus.com/record/display.url?eid=2-s2.0-85167091247&origin=resultslist	10.21608/MB.2023.305659	2-s2.0-85167091247
Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated	Abo-Mousa, A.G.| Kamel, D.A.| Elazab, H.A.| Gadalla, M.A.| Fouad, M.K.	2022	Chemical Engineering Transactions	0	0	Abo-Mousa, A.G., Kamel, D.A., Elazab, H.A. and 2 more (...) (2022).Graphical Revamping of a Crude Distillation Unit under Two Variable Operational Scenarios - Naphtha Stabilizer and Reformer Operated. Chemical Engineering Transactions,941225-1230	https://www.scopus.com/record/display.url?eid=2-s2.0-85139412791&origin=resultslist	10.3303/CET2294204	2-s2.0-85139412791
Fully symbolic-based technique for solving complex state-space control systems	Abd-Alrahem, A.M.| Elhadidy, H.M.| Elserafi, K.A.| Dorrah, H.T.	2021	International Journal of Electrical and Computer Engineering	0	0	Abd-Alrahem, A.M., Elhadidy, H.M., Elserafi, K.A. and 1 more (...) (2021).Fully symbolic-based technique for solving complex state-space control systems. International Journal of Electrical and Computer Engineering,11(1) 272-283	https://www.scopus.com/record/display.url?eid=2-s2.0-85091132891&origin=resultslist	10.11591/ijece.v11i1.pp272-283	2-s2.0-85091132891
Study Network Reconfiguration Using Optimization Techniques to Improve Voltage Stability	Elrazky, R.R.| Hieba, A.A.| Daoud, A.A.	2021	2021 International Telecommunications Conference, ITC-Egypt 2021 - Proceedings	0	0	Elrazky, R.R., Hieba, A.A., Daoud, A.A. (2021).Study Network Reconfiguration Using Optimization Techniques to Improve Voltage Stability. 2021 International Telecommunications Conference, ITC-Egypt 2021 - Proceedings,	https://www.scopus.com/record/display.url?eid=2-s2.0-85113972747&origin=resultslist	10.1109/ITC-Egypt52936.2021.9513917	2-s2.0-85113972747

Enhancing the Performance of the Output Active Power of DFIG-Based Wind Turbines Using Auto Disturbance Rejection Control	Sobhy, A.| Lei, D.| Abo-Khalil, A.G.	2022	Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022	0	0	Sobhy, A., Lei, D., Abo-Khalil, A.G. (2022).Enhancing the Performance of the Output Active Power of DFIG-Based Wind Turbines Using Auto Disturbance Rejection Control. Proceedings of the 2022 Conference of Russian Young Researchers in Electrical and Electronic Engineering, ElConRus 2022,876-881	https://www.scopus.com/record/display.url?eid=2-s2.0-85129541277&origin=resultslist	10.1109/ElConRus54750.2022.9755541	2-s2.0-85129541277
High-voltage direct current transmission	Ibrahim, N.F.| Dessouky, S.S.	2021	Power Systems	0	0	Ibrahim, N.F., Dessouky, S.S. (2021).High-voltage direct current transmission. Power Systems,5-14	https://www.scopus.com/record/display.url?eid=2-s2.0-85090905236&origi	10.1007/978-3-030-51661-	2-s2.0-85090905
Supercritical methanolysis of waste cooking oil for biodiesel synthesis: Experimental and simulation assessments	Aboelazayem, O.| Gadalla, M.| Saha, B.	2019	ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental	0	0	Aboelazayem, O., Gadalla, M., Saha, B. (2019).Supercritical methanolysis of waste cooking oil for biodiesel synthesis: Experimental and simulation assessments. ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems,647-657	https://www.scopus.com/record/display.url?eid=2-s2.0-85079636199&origin=resultslist	-	2-s2.0-85079636199

Maximizing Renewable Energy Integration through Demand Response Strategies in Distribution Systems Considering Uncertainties	El-Kashty, O.A.| El-Araby, E.E.| Daoud, A.A.	2023	2023 24th International Middle East Power System Conference, MEPCON 2023	0	0	El-Kashty, O.A., El-Araby, E.E., Daoud, A.A. (2023).Maximizing Renewable Energy Integration through Demand Response Strategies in Distribution Systems Considering Uncertainties. 2023 24th International Middle East Power System Conference, MEPCON 2023,	https://www.scopus.com/record/display.uri?eid=2-s2.0-85190374611&origin=resultslist	10.1109/MEPCON58725.2023.10462375	2-s2.0-85190374611