

Publications at Al-Fayoum University



Within: SDG 7: Affordable and Clean Energy (2021) | Year range: 2016 to >2021

[Export](#)

▼ Authors

- Yousri, D.A. 21
- Gad, M.S. 19
- Eteiba, M.B. 16
- El-Said, E.M.S. 15
- Thanikanti, S.B. 13

[Show more](#)

▼ Institutions

- Al-Fayoum University 183
- Cairo University 19
- Tanta University 15
- Zagazig University 15
- Al Jouf University 14

[Show more](#)

▼ Publication years

- 2021 39
- 2020 54
- 2019 35
- 2018 27
- 2017 15

[Show more](#)

▼ Open Access

- All Open Access 50
- Gold 29
- Hybrid gold 2
- Bronze 10
- Green 24

▼ Author numbers

- ≤ 10 175
- ≤ 50 183
- ≤ 100 183
- ≤ 1000 183

> Countries/Regions

> Publication types

> Publication stage

> Scopus Sources



> Subject Areas


> Institution Numbers

183 publications | Save as Publication Set

Title	Authors	Year	Scopus Source	Citations
Parameters extraction of the three diode model for the multi-crystalline solar cell/module using Moth-Flame Optimization Algorithm View in Scopus > View abstract	Allam, D., Yousri, D.A., Eteiba, M.B.	2016	Energy Conversion and Management	176
Optimization of an off-grid PV/Biomass hybrid system with different battery technologies View in Scopus > View abstract	Eteiba, M.B., Barakat, S., Samy, M.M. and 1 more	2018	Sustainable Cities and Society	84
Fuel economy in gasoline engines using Al ₂ O ₃ /TiO ₂ nanomaterials as nanolubricant additives View in Scopus > View abstract	Ali, M.K.A., Fuming, P., Younus, H.A. and 4 more	2018	Applied Energy	82
Comparative study based on thermal, exergetic and economic analyses of a tubular solar still with semi-circular corrugated absorber View in Scopus > View abstract	Elshamy, S.M., El-Said, E.M.S.	2018	Journal of Cleaner Production	72
Effect of biodiesel fuels on diesel engine emissions <i>Open Access</i> View in Scopus > View abstract	Abed, K.A., Gad, M.S., El Morsi, A.K. and 2 more	2019	Egyptian Journal of Petroleum	69
Static and dynamic photovoltaic models' parameters identification using Chaotic Heterogeneous Comprehensive Learning Particle Swarm Optimizer variants View in Scopus > View abstract	Yousri, D., Allam, D., Eteiba, M.B. and 1 more	2019	Energy Conversion and Management	66
Experimental investigation of a solar still with composite material heat storage: Energy, exergy and economic analysis View in Scopus > View abstract	Kabeel, A.E., Abdelaziz, G.B., El-Said, E.M.S.	2019	Journal of Cleaner Production	49

Apply filter


Title	Authors	Year	Scopus Source	Citations 
A comparative study on the effect of nano-additives on the performance and emissions of a diesel engine run on Jatropha biodiesel	Gad, M.S., Jayaraj, S.	2020	Fuel	48
View in Scopus 				
View abstract				
Techno-economic assessment of biomass power plant fed with rice straw: Sensitivity and parametric analysis of the performance and the LCOE	Abdelhady, S., Borello, D., Shaban, A.	2018	Renewable Energy	46
View in Scopus 				
View abstract				
A Robust Strategy Based on Marine Predators Algorithm for Large Scale Photovoltaic Array Reconfiguration to Mitigate the Partial Shading Effect on the Performance of PV System	Yousri, D., Babu, T.S., Beshr, E. and 2 more	2020	IEEE Access	44
<i>Open Access</i>				
View in Scopus 				
View abstract				
A passive islanding detection strategy for multi-distributed generations	Abd-Elkader, A.G., Saleh, S.M., Magdi Eiteba, M.B.	2018	International Journal of Electrical Power and Energy Systems	43
View in Scopus 				
View abstract				
Optimal photovoltaic array reconfiguration for alleviating the partial shading influence based on a modified harris hawks optimizer	Yousri, D., Allam, D., Eteiba, M.B.	2020	Energy Conversion and Management	42
View in Scopus 				
View abstract				
Study of a solar-driven membrane distillation system: Evaporative cooling effect on performance enhancement	Kabeel, A.E., Abdelgaied, M., El-Said, E.M.S.	2017	Renewable Energy	40
View in Scopus 				
View abstract				
Dye-Sensitized Solar Cells (DSSCs) based on extracted natural dyes	Ammar, A.M., Mohamed, H.S.H., Yousef, M.M.K. and 3 more	2019	Journal of Nanomaterials	39
<i>Open Access</i>				
View in Scopus 				
View abstract				
A novel chaotic flower pollination algorithm for global maximum power point tracking for photovoltaic system under partial shading conditions	Yousri, D., Babu, T.S., Allam, D. and 2 more	2019	IEEE Access	38
<i>Open Access</i>				
View in Scopus 				
View abstract				

Title	Authors	Year	Scopus Source	Citations 
Fractional chaotic ensemble particle swarm optimizer for identifying the single, double, and three diode photovoltaic models' parameters View in Scopus > View abstract	Yousri, D., Thanikanti, S.B., Allam, D. and 2 more	2020	Energy	38
Augmented heat and mass transfer effect on performance of a solar still using porous absorber: Experimental investigation and exergetic analysis View in Scopus > View abstract	Mohamed, A.F., Hegazi, A.A., Sultan, G.I. and 1 more	2019	Applied Thermal Engineering	36
Tuning the structural, electrical and optical properties of tin oxide thin films via cobalt doping and annealing View in Scopus > View abstract	El Sayed, A.M., Taha, S., Shaban, M. and 1 more	2016	Superlattices and Microstructures	35
Theoretical study on hybrid desalination system coupled with nano-fluid solar heater for arid states View in Scopus > View abstract	El-Said, E.M.S., Kabeel, A.E., Abdulaziz, M.	2016	Desalination	33
Enhancing the combustion and emission parameters of a diesel engine fueled by waste cooking oil biodiesel and gasoline additives View in Scopus > View abstract	Gad, M.S., EL-Seesy, A.I., Radwan, A. and 1 more	2020	Fuel	32
Feasibility Study of Grid Connected PV-Biomass Integrated Energy System in Egypt View in Scopus > View abstract	Barakat, S., Samy, M.M., Eteiba, M.B. and 1 more	2016	International Journal of Emerging Electric Power Systems	31
In-Situ Growing Mesoporous CuO/O-Doped g-C ₃ N ₄ Nanospheres for Highly Enhanced Lithium Storage View in Scopus > View abstract	Mohamed, H.S.H., Wu, L., Li, C.-F. and 6 more	2019	ACS Applied Materials and Interfaces	31
Performance enhancement of a tubular solar still by utilizing wire mesh packing under harmonic motion View in Scopus > View abstract	El-Said, E.M.S., Elshamy, S.M., Kabeel, A.E.	2020	Desalination	30

Title	Authors	Year	Scopus Source	Citations 
Energy and exergy analysis of a flat-plate solar air heater coated with carbon nanotubes and cupric oxide nanoparticles embedded in black paint View in Scopus > View abstract	Abdelkader, T.K., Zhang, Y., Gaballah, E.S. and 3 more	2020	Journal of Cleaner Production	30
A Robust Molecular Catalyst Generated In Situ for Photo- and Electrochemical Water Oxidation View in Scopus > View abstract	Younus, H.A., Ahmad, N., Chughtai, A.H. and 6 more	2017	ChemSusChem	30
Fractional chaos maps with flower pollination algorithm for partial shading mitigation of photovoltaic systems <i>Open Access</i> View in Scopus > View abstract	Yousri, D., Babu, T.S., Allam, D. and 3 more	2019	Energies	29
Electroplated Ni-Cu nanocrystalline alloys and their electrocatalytic activity for hydrogen generation using alkaline solutions View in Scopus > View abstract	Negem, M., Nady, H.	2017	International Journal of Hydrogen Energy	28
Analyzing patient health information based on IoT sensor with AI for improving patient assistance in the future direction View in Scopus > View abstract	Fouad, H., Hassanein, A.S., Soliman, A.M. and 1 more	2020	Measurement: Journal of the International Measurement Confederation	28
Experimental study on a modified solar power driven hybrid desalination system View in Scopus > View abstract	Kabeel, A.E., El-Said, E.M.S.	2018	Desalination	27
Enhancement of a solar still performance by inclusion the basalt stones as a porous sensible absorber: Experimental study and thermo-economic analysis View in Scopus > View abstract	Mohamed, A.F., Hegazi, A.A., Sultan, G.I. and 1 more	2019	Solar Energy Materials and Solar Cells	26
Photovoltaic Array Reconfiguration System for Maximizing the Harvested Power Using Population-Based Algorithms <i>Open Access</i> View in Scopus > View abstract	Babu, T.S., Yousri, D., Balasubramanian, K.	2020	IEEE Access	26










Title	Authors	Year	Scopus Source	Citations 
Refractive index and scattering of porous TiO ₂ films <i>Open Access</i> View in Scopus ↗ > View abstract	Abdellatif, S., Sharifi, P., Kirah, K. and 4 more	2018	Microporous and Mesoporous Materials	26
Static and dynamic reconfiguration approaches for mitigation of partial shading influence in photovoltaic arrays View in Scopus ↗ > View abstract	Ajmal, A.M., Sudhakar Babu, T., Ramachandaramurthy, V.K. and 2 more	2020	Sustainable Energy Technologies and Assessments	25
Ni-Cu nano-crystalline alloys for efficient electrochemical hydrogen production in acid water View in Scopus ↗ > View abstract	Nady, H., Negem, M.	2016	RSC Advances	25
Reliable applied objective for identifying simple and detailed photovoltaic models using modern metaheuristics: Comparative study View in Scopus ↗ > View abstract	Yousri, D., Abd Elaziz, M., Oliva, D. and 3 more	2020	Energy Conversion and Management	23
Distributed and scalable computing framework for improving request processing of wearable IoT assisted medical sensors on pervasive computing system View in Scopus ↗ > View abstract	Fouad, H., Mahmoud, N.M., Issawi, M.S.E. and 1 more	2020	Computer Communications	23
Experimental studies on inclined PV panel solar still with cover cooling and PCM View in Scopus ↗ > View abstract	Kabeel, A.E., Sathyamurthy, R., El-Agouz, S.A. and 2 more	2019	Journal of Thermal Analysis and Calorimetry	22
Methylsilicon phthalocyanine hydroxide doped PVA films for optoelectronic applications: FTIR spectroscopy, electrical conductivity, linear and nonlinear optical studies View in Scopus ↗ > View abstract	Qashou, S.I., El-Zaidia, E.F.M., Darwish, A.A.A. and 1 more	2019	Physica B: Condensed Matter	22
Enhanced Performance of Pristine Ta ₃ N ₅ Photoanodes for Solar Water Splitting by Modification with Fe-Ni-Co Mixed-Metal Oxide Cocatalysts View in Scopus ↗ > View abstract	Abdel Haleem, A., Majumder, S., Perumandla, N. and 2 more	2017	Journal of Physical Chemistry C	22


Title	Authors	Year	Scopus Source	Citations 
Recent methodology based Harris Hawks optimizer for designing load frequency control incorporated in multi-interconnected renewable energy plants View in Scopus > View abstract	Yousri, D., Babu, T.S., Fathy, A.	2020	Sustainable Energy, Grids and Networks	21
Viability study of grid connected PV/Wind/Biomass hybrid energy system for a small village in Egypt View in Scopus > View abstract	Barakat, S., Samy, M.M., Eteiba, M.B. and 1 more	2017	2016 18th International Middle-East Power Systems Conference, MEPCON 2016 - Proceedings	20
A novel objective function with artificial ecosystem-based optimization for relieving the mismatching power loss of large-scale photovoltaic array View in Scopus > View abstract	Yousri, D., Babu, T.S., Mirjalili, S. and 2 more	2020	Energy Conversion and Management	20
Harold Edwin Hurst: The Nile and Egypt, past and future <i>Open Access</i> View in Scopus > View abstract	Sutcliffe, J., Hurst, S., Awadallah, A.G. and 2 more	2016	Hydrological Sciences Journal	19
A new hybrid technique for minimizing power losses in a distribution system by optimal sizing and siting of distributed generators with network reconfiguration View in Scopus > View abstract	Abd El-salam, M.F., Beshr, E., Eteiba, M.B.	2018	Energies	18
Thermo-hydraulic performance of nanofluids flow in various internally corrugated tubes View in Scopus > View abstract	Kaood, A., Hassan, M.A.	2020	Chemical Engineering and Processing - Process Intensification	18
Electrodeposited Zn-Ni alloys as promising catalysts for hydrogen production-Preparation, characterization and electro-catalytic activity View in Scopus > View abstract	Badawy, W.A., Nady, H., Abd El-Hafez, G.M.	2017	Journal of Alloys and Compounds	17
Assessment of levelized cost of electricity of offshore wind energy in Egypt View in Scopus > View abstract	Abdelhady, S., Borello, D., Shaban, A.	2017	Wind Engineering	16










Title	Authors	Year	Scopus Source	Citations 
Electroplated Zn–Ni nanocrystalline alloys as an efficient electrocatalyst cathode for the generation of hydrogen fuel in acid medium	Nady, H., Negem, M.	2018	International Journal of Hydrogen Energy	16
View in Scopus ↗ > View abstract				
Multi-objective grey wolf optimizer for optimal design of switching matrix for shaded pv array dynamic reconfiguration	Yousri, D., Thanikanti, S.B., Balasubramanian, K. and 2 more	2020	IEEE Access	15
<i>Open Access</i> View in Scopus ↗ > View abstract				
A flexible, hierarchically porous PANI/MnO ₂ network with fast channels and an extraordinary chemical process for stable fast-charging lithium-sulfur batteries	Zhang, Y., Liu, X., Wu, L. and 12 more	2020	Journal of Materials Chemistry A	15
View in Scopus ↗ > View abstract				
Estimating parameters of photovoltaic models using accurate turbulent flow of water optimizer	Said, M., Shaheen, A.M., Ginidi, A.R. and 4 more	2021	Processes	14
<i>Open Access</i> View in Scopus ↗ > View abstract				
A robust global MPPT to mitigate partial shading of triple-junction solar cell-based system using manta ray foraging optimization algorithm	Fathy, A., Rezk, H., Yousri, D.	2020	Solar Energy	14
View in Scopus ↗ > View abstract				
Experimental investigation and economic assessment of a solar still performance using high-frequency ultrasound waves atomizer	El-Said, E.M.S., Abdelaziz, G.B.	2020	Journal of Cleaner Production	14
View in Scopus ↗ > View abstract				
A sustainable strategy for the synthesis of bis-2-iminothiazolidin-4-ones utilizing novel series of asymmetrically substituted bis-thioureas as viable precursors	Ahmed Arafa, W.A., Ibrahim, H.M.	2018	RSC Advances	13
<i>Open Access</i> View in Scopus ↗ > View abstract				


Title	Authors	Year	Scopus Source	Citations 
Comparative study of combustion characteristics and exhaust emissions of waste cooking-diesel oil blends <i>Open Access</i> View in Scopus ↗ > View abstract	Mahfouz, A., Gad, M.S., El Fatih, A. and 1 more	2018	Ain Shams Engineering Journal	13
Gradient-based optimizer for parameter extraction in photovoltaic models <i>Open Access</i> View in Scopus ↗ > View abstract	Ismaeel, A.A.K., Houssein, E.H., Oliva, D. and 1 more	2021	IEEE Access	13
Sustainability Evaluation of Rainwater Harvesting-Based Flood Risk Management Strategies: A Multilevel Decision-Making Framework for Arid Environments View in Scopus ↗ > View abstract	Haider, H., Ghumman, A.R., Al-Salamah, I.S. and 2 more	2019	Arabian Journal for Science and Engineering	13
Transparency and Diffused Light Efficiency of Dye-Sensitized Solar Cells: Tuning and a New Figure of Merit View in Scopus ↗ > View abstract	Abdellatif, S.O., Josten, S., Khalil, A.S.G. and 2 more	2020	IEEE Journal of Photovoltaics	12
Parameters identification of solid oxide fuel cell for static and dynamic simulation using comprehensive learning dynamic multi-swarm marine predators algorithm View in Scopus ↗ > View abstract	Yousri, D., Hasanien, H.M., Fathy, A.	2021	Energy Conversion and Management	12
Transient and Steady-State Response of a Fractional-Order Dynamic PV Model under Different Loads View in Scopus ↗ > View abstract	Abdelaty, A.M., Radwan, A.G., Elwakil, A.S. and 1 more	2018	Journal of Circuits, Systems and Computers	12
Performance and cost evaluation of solar dish power plant: sensitivity analysis of levelized cost of electricity (LCOE) and net present value (NPV) View in Scopus ↗ > View abstract	Abdelhady, S.	2021	Renewable Energy	12
AC Conductivity and Dielectric Relaxation Behavior of Sb ₂ S ₃ Bulk Material View in Scopus ↗ > View abstract	Abd El-Rahman, K.F., Darwish, A.A.A., Qashou, S.I. and 1 more	2016	Journal of Electronic Materials	12

Title	Authors	Year	Scopus Source	Citations 
Cyclic voltammetry growth and characterization of Sn-Ag alloys of different nanomorphologies and compositions for efficient hydrogen evolution in alkaline solutions <i>Open Access</i> View in Scopus ↗ > View abstract	Shaban, M., Kholidy, I., Ahmed, G.M. and 2 more	2019	RSC Advances	12
Optical investigation of porous TiO ₂ in mesostructured solar cells View in Scopus ↗ > View abstract	Abdellatif, S., Josten, S., Sharifi, P. and 5 more	2018	Proceedings of SPIE - The International Society for Optical Engineering	12
Chemical and Photochemical Water Oxidation Mediated by an Efficient Single-Site Ruthenium Catalyst <i>Open Access</i> View in Scopus ↗ > View abstract	Abdel-Magied, A.F., Shatskiy, A., Liao, R.-Z. and 6 more	2016	ChemSusChem	11
Constructing a 3D compact sulfur host based on carbon-nanotube threaded defective Prussian blue nanocrystals for high performance lithium-sulfur batteries View in Scopus ↗ > View abstract	Shen, G., Liu, Z., Liu, P. and 5 more	2020	Journal of Materials Chemistry A	11
A new preparation of a bifunctional crystalline heterogeneous copper electrocatalyst by electrodeposition using a Robson-type macrocyclic dinuclear copper complex for efficient hydrogen and oxygen evolution from water View in Scopus ↗ > View abstract	Majumder, S., Abdel Haleem, A., Nagaraju, P. and 1 more	2017	Dalton Transactions	11
Identifying the parameters of different configurations of photovoltaic models based on recent artificial ecosystem-based optimization approach View in Scopus ↗ > View abstract	Yousri, D., Rezk, H., Fathy, A.	2020	International Journal of Energy Research	11
Evaluation of the electrocatalytic properties of Tungsten electrode towards hydrogen evolution reaction in acidic solutions <i>Open Access</i> View in Scopus ↗ > View abstract	Abd El-Hafez, G.M., Mahmoud, N.H., Walcarius, A. and 1 more	2019	International Journal of Hydrogen Energy	11

Title	Authors	Year	Scopus Source	Citations 
A binary integer programming model for optimal load scheduling of household appliances with consumer's preferences	Yahia, Z., Kholopane, P.	2018	2018 International Conference on the Domestic Use of Energy, DUE 2018	10
View in Scopus 				
View abstract				
Influence of the spin deposition parameters and La/Sn double doping on the structural, optical, and photoelectrocatalytic properties of CoCo2O4 photoelectrodes	Shaban, M., El Sayed, A.M.	2020	Solar Energy Materials and Solar Cells	10
View in Scopus 				
View abstract				
Enhancement of biogas production by integrated solar heating system: A pilot study using tubular digester	Gaballah, E.S., Abdelkader, T.K., Luo, S. and 2 more	2020	Energy	10
View in Scopus 				
View abstract				
Phase-junction Ag/TiO2 nanocomposite as photocathode for H2 generation	Mohamed, H.S.H., Rabia, M., Zhou, X.-G. and 9 more	2021	Journal of Materials Science and Technology	10
View in Scopus 				
View abstract				
Nanocrystalline nickel-cobalt electrocatalysts to generate hydrogen using alkaline solutions as storage fuel for the renewable energy	Negem, M., Nady, H., El-Rabiei, M.M.	2019	International Journal of Hydrogen Energy	10
View in Scopus 				
View abstract				
Assessment of diesel engine performance, emissions and combustion characteristics burning biodiesel blends from jatropha seeds	Gad, M.S., El-Shafay, A.S., Abu Hashish, H.M.	2021	Process Safety and Environmental Protection	9
View in Scopus 				
View abstract				
Substituent Effects in Molecular Ruthenium Water Oxidation Catalysts Based on Amide Ligands	Abdel-Magied, A.F., Arafa, W.A.A., Laine, T.M. and 4 more	2017	ChemCatChem	9
View in Scopus 				
View abstract				
Effect of waste cooking oil biodiesel blending with gasoline and kerosene on diesel engine performance, emissions and combustion characteristics	Gad, M.S., Ismail, M.A.	2021	Process Safety and Environmental Protection	9
View in Scopus 				
View abstract				

Title	Authors	Year	Scopus Source	Citations 
Functional characteristics, nutritional value and industrial applications of Madhuca longifolia seeds: an overview <i>Open Access</i> View in Scopus ↗ > View abstract	Ramadan, M.F., Mohdaly, A.A.A., Assiri, A.M.A. and 2 more	2016	Journal of Food Science and Technology	9
Turbulent Flow of Water-Based Optimization Using New Objective Function for Parameter Extraction of Six Photovoltaic Models <i>Open Access</i> View in Scopus ↗ > View abstract	Abdelminaam, D.S., Said, M., Houssein, E.H.	2021	IEEE Access	9
A fractional-order dynamic PV model View in Scopus ↗ > View abstract	Abdelaty, A.M., Radwan, A.G., Elwakil, A. and 1 more	2016	2016 39th International Conference on Telecommunications and Signal Processing, TSP 2016	8
Water Oxidation at Neutral pH using a Highly Active Copper-Based Electrocatalyst <i>Open Access</i> View in Scopus ↗ > View abstract	Younus, H.A., Zhang, Y., Vandichel, M. and 5 more	2020	ChemSusChem	8
Effect of HHO gas enrichment on performance and emissions of a diesel engine fueled by biodiesel blend with kerosene additive View in Scopus ↗ > View abstract	Gad, M.S., El-Fakharany, M.K., Elsharkawy, E.A.	2020	Fuel	8
An optimal load schedule of household appliances with leveled load profile and consumer's preferences View in Scopus ↗ > View abstract	Yahia, Z., Pradhan, A.	2018	2018 International Conference on the Domestic Use of Energy, DUE 2018	8
Growing ordered CuO nanorods on 2D Cu/g-C ₃ N ₄ nanosheets as stable freestanding anode for outstanding lithium storage View in Scopus ↗ > View abstract	Mohamed, H.S.H., Li, C.-F., Wu, L. and 7 more	2021	Chemical Engineering Journal	8
Dark and photofermentation H ₂ production from hydrolyzed biomass of the potent extracellular polysaccharides producing cyanobacterium Nostoc commune and intracellular polysaccharide (glycogen) enriched Anabaena variabilis NIES-2095 View in Scopus ↗ > View abstract	Morsy, F.M., Elbadry, M., El-Sayed, W.S. and 1 more	2019	International Journal of Hydrogen Energy	7

Title	Authors	Year	Scopus Source	Citations 
Effect of rotor speed on the thermal model of AFIR permanent magnet synchronous motor View in Scopus  > View abstract	Wahsh, S. , Yassin, A. , Shazly, J.	2017	International Journal of Renewable Energy Research	7
Experimental study of activated carbon as a porous absorber in solar desalination with environmental, exergy, and economic analysis View in Scopus  > View abstract	Abdelaziz, G.B. , El-Said, E.M.S. , Bedair, A.G. and 3 more	2021	Process Safety and Environmental Protection	7
Effect of oil blends derived from catalytic pyrolysis of waste cooking oil on diesel engine performance, emissions and combustion characteristics View in Scopus  > View abstract	Gad, M.S. , Abu-Elyazeed, O.S. , Mohamed, M.A. and 1 more	2021	Energy	7
Melamine-based polymer networks enabled N, O, S Co-doped defect-rich hierarchically porous carbon nanobelts for stable and long-cycle Li-ion and Li-Se batteries View in Scopus  > View abstract	Dong, W.-D. , Yu, W.-B. , Xia, F.-J. and 11 more	2021	Journal of Colloid and Interface Science	6
Design methods for microgrids to address seasonal energy availability – A case study of proposed Showa Antarctic Station retrofits View in Scopus  > View abstract	Obara, S. , Hamanaka, R. , El-Sayed, A.G.	2019	Applied Energy	6
Enhanced Marine Predators Algorithm for identifying static and dynamic Photovoltaic models parameters View in Scopus  > View abstract	Abd Elaziz, M. , Thanikanti, S.B. , Ibrahim, I.A. and 5 more	2021	Energy Conversion and Management	6
Controlled synthesis of CdS nanoflowers thin films for H2 electro-generation View in Scopus  > View abstract	Mohamed, H.S.H. , Rabia, M. , Shaban, M. and 1 more	2020	Materials Science in Semiconductor Processing	6
Study of wind turbine based self-excited induction generator under nonlinear resistive loads as a step to solve the Egypt electricity crisis View in Scopus  > View abstract	Saleh, S.M.	2016	Computers and Electrical Engineering	6

Title	Authors	Year	Scopus Source	Citations 
The impact of built environment characteristics on metropolitans energy consumption: An example of greater cairo metropolitan region <i>Open Access</i> View in Scopus ↗ > View abstract	Osman, T., Divigalpitiya, P., Osman, M.M.	2016	Buildings	6
Efficient Photoelectrochemical O2 and CO Production Using BiVO4 Water Oxidation Photoanode and CO2 Reduction Au Nanoparticle Cathode Prepared by In Situ Deposition from Au3+ Containing Solution View in Scopus ↗ > View abstract	Zahran, Z.N., Mohamed, E.A., Haleem, A.A. and 1 more	2017	Advanced Sustainable Systems	6
Electroplating of Nanocrystalline Ni–Co Alloys Using Cysteine and Their Electrochemical Behaviour in NaOH Solution View in Scopus ↗ > View abstract	Negem, M., Helal, N., Roy, S. and 2 more	2020	Journal of Bio- and Tribo-Corrosion	5
Efficient and recyclable photocatalytic degradation of methylene blue dye in aqueous solutions using nanostructured Cd1 – xCoxS films of different doping levels View in Scopus ↗ > View abstract	Shaban, M., Elwahab, F.A., Ghitas, A.E. and 1 more	2020	Journal of Sol-Gel Science and Technology	5
RF energy harvesting IoT system for museum ambience control with deep learning <i>Open Access</i> View in Scopus ↗ > View abstract	Eltresy, N.A., Dardeer, O.M., Al-Habal, A. and 8 more	2019	Sensors (Switzerland)	5
Computational fluid dynamic as a tool for solar still performance analysis and design development: A review View in Scopus ↗ > View abstract	Kabeel, A.E., El-Said, E.M.S., Abdulaziz, M.	2019	Desalination and Water Treatment	5
Comparative study of performance and exhaust emissions of a diesel engine fueled with algal, used cooked and Jatropha oils biodiesel mixtures View in Scopus ↗ > View abstract	El-Baz, F.K., Gad, M.S., Abdo, S.M. and 1 more	2017	International Journal of Mechanical and Mechatronics Engineering	5

Show next 100 publications >