

Khaled Elsaid

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

4,631
citations

100601

38
h-index

116156

66
g-index

90
all docs

90
docs citations

90
times ranked

2652
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on zero energy buildings “ Pros and cons. Energy and Built Environment, 2023, 4, 25-38.	2.9	46
2	Piezoelectric Sensors. , 2022, , 65-71.		1
3	Recent Progress of Metal-Organic Frameworks (MOFs) as Electrodes for Capacitive Deionization (CDI) Desalination. , 2022, , 566-577.		2
4	Applications of Nanofluids in Cooling of Electronic Components. , 2022, , 310-318.		6
5	Future Directions for Shape Memory Alloy Development. , 2022, , 231-242.		2
6	Assessment of the pre-combustion carbon capture contribution into sustainable development goals SDGs using novel indicators. Renewable and Sustainable Energy Reviews, 2022, 153, 111710.	8.2	207
7	Role of carbon-based nanomaterials in improving the performance of microbial fuel cells. Energy, 2022, 240, 122478.	4.5	40
8	Cu2O nanoparticles decorated with MoS2 sheets for electrochemical reduction of CO2 with enhanced efficiency. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	16
9	Biogas role in achievement of the sustainable development goals: Evaluation, Challenges, and Guidelines. Journal of the Taiwan Institute of Chemical Engineers, 2022, 131, 104207.	2.7	107
10	Solution Combustion Synthesis of Novel S,B-Codoped CoFe Oxyhydroxides for the Oxygen Evolution Reaction in Saline Water. ACS Omega, 2022, 7, 5521-5536.	1.6	13
11	Prospects of Thermoelectric Generators with Nanofluid. Thermal Science and Engineering Progress, 2022, 29, 101207.	1.3	17
12	Phase change materials based on nanoparticles for enhancing the performance of solar photovoltaic panels: A review. Journal of Energy Storage, 2022, 48, 103937.	3.9	51
13	Impact of COVID-19 on the Renewable Energy Sector and Mitigation Strategies. Chemical Engineering and Technology, 2022, 45, 558-571.	0.9	33
14	Cooperative electrocatalytic effect of Pd and Ce alloys nanoparticles in PdCe@CNWs electrode for oxygen evolution reaction (OER). Molecular Catalysis, 2022, 522, 112255.	1.0	10
15			

#	ARTICLE	IF	CITATIONS
19	Battery thermal management systems based on nanofluids for electric vehicles. Journal of Energy Storage, 2022, 50, 104385.	3.9	45
20	Battery energy storage systems and SWOT (strengths, weakness, opportunities, and threats) analysis of batteries in power transmission. Energy, 2022, 254, 123987.	4.5	74
21	Synthesis of Cu-g-C ₃ N ₄ /MoS ₂ composite as a catalyst for electrochemical CO ₂ reduction to alcohols. Chemical Engineering Science, 2022, 258, 117757.	1.9	17
22	Large scale application of carbon capture to process industries – A review. Journal of Cleaner Production, 2022, 362, 132300.	4.6	84
23	Novel Trends in Proton Exchange Membrane Fuel Cells. Energies, 2022, 15, 4949.	1.6	17
24	Transition metal carbides and nitrides as oxygen reduction reaction catalyst or catalyst support in proton exchange membrane fuel cells (PEMFCs). International Journal of Hydrogen Energy, 2021, 46, 23529-23547.	3.8	88
25	Environmental aspects of fuel cells: A review. Science of the Total Environment, 2021, 752, 141803.	3.9	287
26	Environmental impacts of solar energy systems: A review. Science of the Total Environment, 2021, 754, 141989.	3.9	373
27	Evaluation of the nanofluid-assisted desalination through solar stills in the last decade. Journal of Environmental Management, 2021, 277, 111415.	3.8	107
28	Progress in carbon capture technologies. Science of the Total Environment, 2021, 761, 143203.	3.9	300
29	A critical review on environmental impacts of renewable energy systems and mitigation strategies: Wind, hydro, biomass and geothermal. Science of the Total Environment, 2021, 766, 144505.	3.9	252
30	Value added products from wastewater using bioelectrochemical systems: Current trends and perspectives. Journal of Water Process Engineering, 2021, 39, 101737.	2.6	59
31	Metal-Organic Frameworks in Membrane of Fuel Cells. , 2021, , 295-295.		0
32	Progress in plant-based bioelectrochemical systems and their connection with sustainable development goals. Carbon Resources Conversion, 2021, 4, 169-183.	3.2	42
33	Metal-Organic Framework (MOF) in Fuel Cells. , 2021, , 306-306.		1
34	Metal Organic Frameworks (MOFs) for Supercapacitor. , 2021, , 414-414.		4
35	Advances in Electrolytes for Sodium-Sulfur Batteries. , 2021, , .		1
36	Bio-Based Materials in Photocatalysis. , 2021, , .		1

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37	Bio-Based Carbon Materials for Capacitive Deionization CDI Desalination Processes. , 2021, , .		3
38	Optimization of Fuel Cell Performance Using Computational Fluid Dynamics. Membranes, 2021, 11, 146.	1.4	12
39	Graphitic carbon nitride/carbon brush composite as a novel anode for yeast-based microbial fuel cells. Energy, 2021, 221, 119849.	4.5	44
40	Theoretical and experimental investigations of Co-Cu bimetallic alloys-incorporated carbon nanowires as an efficient bi-functional electrocatalyst for water splitting. Journal of Industrial and Engineering Chemistry, 2021, 96, 243-253.	2.9	36
41	Environmental impacts of nanofluids: A review. Science of the Total Environment, 2021, 763, 144202.	3.9	51
42	Thermophysical properties of graphene-based nanofluids. International Journal of Thermofluids, 2021, 10, 100073.	4.0	81
43	Geometrical effect coupled with nanofluid on heat transfer enhancement in heat exchangers. International Journal of Thermofluids, 2021, 10, 100072.	4.0	59
44	Intensification of heat exchanger performance utilizing nanofluids. International Journal of Thermofluids, 2021, 10, 100071.	4.0	53
45	Recent progress on Carbon-based nanomaterial for phase change materials: Prospects and challenges. Thermal Science and Engineering Progress, 2021, 23, 100920.	1.3	15
46	Building-integrated photovoltaic/thermal (BIPVT) systems: Applications and challenges. Sustainable Energy Technologies and Assessments, 2021, 45, 101151.	1.7	48
47	Selection Guidelines for Wind Energy Technologies. Energies, 2021, 14, 3244.	1.6	65
48	Application of nanofluids for enhanced waste heat recovery: A review. Nano Energy, 2021, 84, 105871.	8.2	93
49	Adapting Early Transition Metal and Nonmetallic Dopants on CoFe Oxyhydroxides for Enhanced Alkaline and Neutral pH Saline Water Oxidation. ACS Applied Energy Materials, 2021, 4, 6942-6956.	2.5	28
50	Synthesis and experimental investigation of γ -MnO ₂ /N-rGO nanocomposite for Li-O ₂ batteries applications. Chemical Engineering Journal Advances, 2021, 7, 100115.	2.4	8
51	Surface microenvironment engineering of black V ₂ O ₅ nanostructures for visible light photodegradation of methylene blue. Journal of Alloys and Compounds, 2021, 871, 159615.	2.8	26
52	Effects of COVID-19 on the environment: An overview on air, water, wastewater, and solid waste. Journal of Environmental Management, 2021, 292, 112694.	3.8	69
53	Direct alcohol fuel cells: Assessment of the fuel's safety and health aspects. International Journal of Hydrogen Energy, 2021, 46, 30658-30668.	3.8	39
54	A Review on Failure Modes of Wind Turbine Components. Energies, 2021, 14, 5241.	1.6	36

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55	Augmenting performance of fuel cells using nanofluids. <i>Thermal Science and Engineering Progress</i> , 2021, 25, 101012.	1.3	17
56	Potential of nanoparticles in solar thermal energy storage. <i>Thermal Science and Engineering Progress</i> , 2021, 25, 101003.	1.3	12
57	Carbon-Based Nanomaterial for Emerging Desalination Technologies: Electrodialysis and Capacitive Deionization. , 2021, , 411-411.		1
58	Progress of Biomaterials Applications in Supercapacitors. , 2021, , .		0
59	Enhanced oxygen evolution reaction on polyethyleneimine functionalized graphene oxide in alkaline medium. <i>Molecular Catalysis</i> , 2021, 516, 111960.	1.0	1
60	Metal-Air Batteriesâ€™A Review. <i>Energies</i> , 2021, 14, 7373.	1.6	59
61	Early Transition-Metal-Based Binary Oxide/Nitride for Efficient Electrocatalytic Hydrogen Evolution from Saline Water in Different pH Environments. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53702-53716.	4.0	22
62	Waste heat-driven desalination systems: Perspective. <i>Energy</i> , 2020, 209, 118373.	4.5	91
63	Prospects of Fuel Cell Combined Heat and Power Systems. <i>Energies</i> , 2020, 13, 4104.	1.6	79
64	Environmental impact of desalination technologies: A review. <i>Science of the Total Environment</i> , 2020, 748, 141528.	3.9	235
65	Recent progress of graphene based nanomaterials in bioelectrochemical systems. <i>Science of the Total Environment</i> , 2020, 749, 141225.	3.9	105
66	A Carbon-Cloth Anode Electroplated with Iron Nanostructure for Microbial Fuel Cell Operated with Real Wastewater. <i>Sustainability</i> , 2020, 12, 6538.	1.6	60
67	Environmental impact of desalination processes: Mitigation and control strategies. <i>Science of the Total Environment</i> , 2020, 740, 140125.	3.9	126
68	Electrooxidation behavior of ethanol toward carbon microbead-encapsulated ZnO particles derived from coffee waste. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6530-6537.	1.1	10
69	Recent progress on the utilization of waste heat for desalination: A review. <i>Energy Conversion and Management</i> , 2020, 221, 113105.	4.4	133
70	Environmental impact of emerging desalination technologies: A preliminary evaluation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104099.	3.3	102
71	Comparative analysis of liquid versus vapor-feed passive direct methanol fuel cells. <i>Renewable Energy</i> , 2019, 131, 563-584.	4.3	61
72	Frequency-Dependent Effective Capacitance of Supercapacitors Using Electrospun Cobalt-Carbon Composite Nanofibers. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2403-A2408.	1.3	6

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73	Modulating the energy storage of supercapacitors by mixing close-to-ideal and far-from-ideal capacitive carbon nanofibers. <i>Electrochimica Acta</i> , 2019, 301, 465-471.	2.6	6
74	Acid-functionalized carbon nanofibers for high stability, thermoelectrical and electrochemical properties of nanofluids. <i>Journal of Colloid and Interface Science</i> , 2018, 520, 50-57.	5.0	70
75	CePd Nanoparticles Incorporated Carbon Nanofibers as Efficient Counter Electrode for DSSCs. <i>ChemistrySelect</i> , 2018, 3, 12314-12319.	0.7	4
76	Surfactant/organic solvent free single-step engineering of hybrid graphene-Pt/TiO ₂ nanostructure: Efficient photocatalytic system for the treatment of wastewater coming from textile industries. <i>Scientific Reports</i> , 2018, 8, 14656.	1.6	14
77	Validation of Total Mercury in Marine Sediment and Biological Samples, Using Cold Vapour Atomic Absorption Spectrometry. <i>Methods and Protocols</i> , 2018, 1, 31.	0.9	9
78	Applicable anode based on Co ₃ O ₄ /SrCO ₃ heterostructure nanorods-incorporated CNFs with low-onset potential for DUFCS. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 625-631.	1.6	26
79	Engineering of magnetically separable ZnFe ₂ O ₄ @ TiO ₂ nanofibers for dye-sensitized solar cells and removal of pollutant from water. <i>Journal of Alloys and Compounds</i> , 2017, 723, 477-483.	2.8	47
80	Critical Behavior of La _{0.8} Ca _{0.2} Mn _{1-x} CoxO ₃ Perovskite (0.1 ≤ x ≤ 0.3). <i>Magnetochemistry</i> , 2017, 3, 28.	1.0	10
81	Capacitance of MnO ₂ Micro-Flowers Decorated CNFs in Alkaline Electrolyte and Its Bi-Functional Electrocatalytic Activity toward Hydrazine Oxidation. <i>International Journal of Electrochemical Science</i> , 2017, 12, 2583-2592.	0.5	2
82	Synthesis and Physicochemical Studies of Perovskite Manganite La _{0.8} Ca _{0.2} Ni _{1-x} CoxO ₃ (0 ≤ x ≤ 0.3). <i>Journal of Magnetism</i> , 2017, 22, 353-359.	0.2	1
83	Synthesis and catalytic activity of supported acenaphthoimidazolylidene N-heterocyclic carbene ruthenium complex for ring closing metathesis (RCM) and ring opening metathesis polymerization (ROMP). <i>Journal of Catalysis</i> , 2016, 344, 100-107.	3.1	19
84	Preparation and characterization of wollastonite/titanium oxide nanofiber bioceramic composite as a future implant material. <i>Ceramics International</i> , 2016, 42, 11525-11534.	2.3	24
85	Stable and effective super-hydrophilic polysulfone nanofiber mats for oil/water separation. <i>Polymer</i> , 2015, 72, 125-133.	1.8	36
86	Ammonium phosphate as promised hydrogen storage material. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10103-10110.	3.8	7
87	Ring-opening metathesis polymerization using polyisobutylene supported Grubbs second-generation catalyst. <i>RSC Advances</i> , 2014, 4, 43766-43771.	1.7	19
88	Treatment of Pharmaceutical-manufacturing Wastewaters by UV Irradiation/Hydrogen Peroxide Process. <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	4
89	Application of electrochemically dissolved iron in the removal of tannic acid from water. <i>Chemical Engineering Journal</i> , 2011, 172, 970-976.	6.6	32