

Fares Almomani

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

148
papers

2,503
citations

29
h-index

41
g-index

153
ext. papers

3,590
ext. citations

5.9
avg, IF

6.59
L-index

#	Paper	IF	Citations
148	Heavy metal ions removal from industrial wastewater using magnetic nanoparticles (MNP). <i>Applied Surface Science</i> , 2020 , 506, 144924	6.7	94
147	Degradation of cyanobacteria toxin by advanced oxidation processes. <i>Journal of Hazardous Materials</i> , 2008 , 150, 238-49	12.8	85
146	Combustion synthesis of bifunctional LaMO ₃ (M = Cr, Mn, Fe, Co, Ni) perovskites for oxygen reduction and oxygen evolution reaction in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 809, 22-30	4.1	76
145	A decade of ceria based solar thermochemical H ₂ O/CO ₂ splitting cycle. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 34-60	6.7	76
144	Impact of CO concentration and ambient conditions on microalgal growth and nutrient removal from wastewater by a photobioreactor. <i>Science of the Total Environment</i> , 2019 , 662, 662-671	10.2	72
143	Ammonia electro-oxidation on alloyed PtIr nanoparticles of well-defined size. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 2455-2463	6.7	59
142	Environmental impacts of solar photovoltaic systems: A critical review of recent progress and future outlook. <i>Science of the Total Environment</i> , 2021 , 759, 143528	10.2	59
141	Bioremediation and nutrient removal from wastewater by <i>Chlorella vulgaris</i> . <i>Ecological Engineering</i> , 2018 , 110, 1-7	3.9	58
140	Solar Hydrogen Production via a Samarium Oxide-Based Thermochemical Water Splitting Cycle. <i>Energies</i> , 2016 , 9, 316	3.1	52
139	Solar thermochemical ZnO/ZnSO ₄ water splitting cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 23474-23483	6.7	49
138	Assessment of Ce Zr Hf O ₂ based oxides as potential solar thermochemical CO ₂ splitting materials. <i>Ceramics International</i> , 2016 , 42, 9354-9362	5.1	47
137	A comparative thermodynamic analysis of samarium and erbium oxide based solar thermochemical water splitting cycles. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 23416-23426	6.7	47
136	Intergraded wastewater treatment and carbon bio-fixation from flue gases using <i>Spirulina platensis</i> and mixed algal culture. <i>Chemical Engineering Research and Design</i> , 2019 , 124, 240-250	5.5	46
135	Solar hydrogen production via erbium oxide based thermochemical water splitting cycle. <i>Journal of Renewable and Sustainable Energy</i> , 2016 , 8, 034702	2.5	42
134	Study of ethanol dehydrogenation reaction mechanism for hydrogen production on combustion synthesized cobalt catalyst. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 23464-23473	6.7	41
133	Field study of moving bed biofilm reactor technology for post-treatment of wastewater lagoon effluent at 1 degree C. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 1596-604	2.6	41
132	Bio-carrier and operating temperature effect on ammonia removal from secondary wastewater effluents using moving bed biofilm reactor (MBBR). <i>Science of the Total Environment</i> , 2019 , 693, 133425	10.2	40

131	Solar Thermochemical Hydrogen Production via Terbium Oxide Based Redox Reactions. <i>International Journal of Photoenergy</i> , 2016 , 2016, 1-9	2.1	40
130	Effectiveness of Ni incorporation in iron oxide crystal structure towards thermochemical CO ₂ splitting reaction. <i>Ceramics International</i> , 2017 , 43, 5150-5155	5.1	39
129	Degradation of cyanobacteria anatoxin-a by advanced oxidation processes. <i>Separation and Purification Technology</i> , 2007 , 57, 85-93	8.3	39
128	Prediction of biogas production from chemically treated co-digested agricultural waste using artificial neural network. <i>Fuel</i> , 2020 , 280, 118573	7.1	38
127	Sol-gel derived CeO ₂ /Fe ₂ O ₃ nanoparticles: Synthesis, characterization and solar thermochemical application. <i>Ceramics International</i> , 2016 , 42, 6728-6737	5.1	37
126	Techno-Economic Investigation of an Integrated Boiler/Solar Water Heating/Cooling System: A Case Study. <i>Energies</i> , 2021 , 14, 1	3.1	35
125	Electrochemical oxidation of ammonia on nickel oxide nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 10398-10408	6.7	35
124	Impact of photo-oxidation technology on the aqueous solutions of nitrobenzene: Degradation efficiency and biodegradability enhancement. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 179, 184-192	4.7	34
123	Enhancing the production of biogas through anaerobic co-digestion of agricultural waste and chemical pre-treatments. <i>Chemosphere</i> , 2020 , 255, 126805	8.4	33
122	Photocatalytic degradation of Penicillin G in aqueous solutions: Kinetic, degradation pathway, and microbioassays assessment. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126719	12.8	33
121	Oxidation of resin and fatty acids by ozone: kinetics and toxicity study. <i>Water Research</i> , 2006 , 40, 392-400	2.5	32
120	Impact of Fenton and ozone on oxidation of wastewater containing nitroaromatic compounds. <i>Journal of Environmental Sciences</i> , 2008 , 20, 675-82	6.4	31
119	Electrochemical behavior of ammonia on Ni ₉₈ Pd ₂ nano-structured catalyst. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 41-48	6.7	29
118	Solar co-production of samarium and syngas via methanothermal reduction of samarium sesquioxide. <i>Energy Conversion and Management</i> , 2016 , 112, 413-422	10.6	28
117	Propylene oxide assisted sol-gel synthesis of zinc ferrite nanoparticles for solar fuel production. <i>Ceramics International</i> , 2016 , 42, 2431-2438	5.1	28
116	Potential use of solar photocatalytic oxidation in removing emerging pharmaceuticals from wastewater: A pilot plant study. <i>Solar Energy</i> , 2018 , 172, 128-140	6.8	28
115	Data mining for pesticide decontamination using heterogeneous photocatalytic processes. <i>Chemosphere</i> , 2021 , 270, 129449	8.4	28
114	CO ₂ Capture Using Aqueous Potassium Carbonate Promoted by Ethylaminoethanol: A Kinetic Study. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 5238-5246	3.9	28

113	Polymeric adsorbents for oil removal from water. <i>Chemosphere</i> , 2019 , 233, 809-817	8.4	27
112	Influence of fuel ratio on the performance of combustion synthesized bifunctional cobalt oxide catalysts for fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 436-445	6.7	27
111	Intermediate ozonation to enhance biogas production in batch and continuous systems using animal dung and agricultural waste. <i>International Biodeterioration and Biodegradation</i> , 2017 , 119, 176-187	4.8	25
110	Application of FeO magnetite nanoparticles grafted in silica (SiO) for oil recovery from oil in water emulsions. <i>Chemosphere</i> , 2021 , 265, 129054	8.4	25
109	Influence of draw solution type and properties on the performance of forward osmosis process: Energy consumption and sustainable water reuse. <i>Chemosphere</i> , 2019 , 233, 234-244	8.4	23
108	Kinetic study of electro-Fenton oxidation of azo dyes on boron-doped diamond electrode. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 1473-9	2.6	23
107	Graphene-based nanomaterial for desalination of water: A systematic review and meta-analysis. <i>Food and Chemical Toxicology</i> , 2021 , 148, 111964	4.7	23
106	Optimizing nutrient removal of moving bed biofilm reactor process using response surface methodology. <i>Bioresource Technology</i> , 2020 , 305, 123059	11	22
105	Prediction the performance of multistage moving bed biological process using artificial neural network (ANN). <i>Science of the Total Environment</i> , 2020 , 744, 140854	10.2	22
104	Combustion synthesized A _{0.5} Sr _{0.5} MnO ₃ -Perovskites (where, A = La, Nd, Sm, Gd, Tb, Pr, Dy, and Y) as redox materials for thermochemical splitting of CO ₂ . <i>Applied Surface Science</i> , 2019 , 489, 80-91	6.7	21
103	Photocatalytic conversion of CO ₂ and H ₂ O to useful fuels by nanostructured composite catalysis. <i>Applied Surface Science</i> , 2019 , 483, 363-372	6.7	21
102	Bio-sorption of toxic metals from industrial wastewater by algae strains <i>Spirulina platensis</i> and <i>Chlorella vulgaris</i> : Application of isotherm, kinetic models and process optimization. <i>Science of the Total Environment</i> , 2021 , 755, 142654	10.2	21
101	Harvesting of intact microalgae in single and sequential conditioning steps by chemical and biological based - flocculants: Effect on harvesting efficiency, water recovery and algal cell morphology. <i>Bioresource Technology</i> , 2019 , 281, 250-259	11	20
100	La-Based Perovskites as Oxygen-Exchange Redox Materials for Solar Syngas Production. <i>MRS Advances</i> , 2017 , 2, 3365-3370	0.7	19
99	A bioassimilation and bioaccumulation model for the removal of heavy metals from wastewater using algae: New strategy. <i>Chemical Engineering Research and Design</i> , 2020 , 144, 52-64	5.5	19
98	Decontamination of toxic Malathion pesticide in aqueous solutions by Fenton-based processes: Degradation pathway, toxicity assessment and health risk assessment. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127016	12.8	19
97	Algal cells harvesting using cost-effective magnetic nano-particles. <i>Science of the Total Environment</i> , 2020 , 720, 137621	10.2	18
96	Kinetic modeling of microalgae growth and CO bio-fixation using central composite design statistical approach. <i>Science of the Total Environment</i> , 2020 , 720, 137594	10.2	17

95	Metal-Organic Frameworks as a Platform for CO ₂ Capture and Chemical Processes: Adsorption, Membrane Separation, Catalytic-Conversion, and Electrochemical Reduction of CO ₂ . <i>Catalysts</i> , 2020 , 10, 1293	4	17
94	Graphene-based materials for metronidazole degradation: A comprehensive review. <i>Chemosphere</i> , 2022 , 286, 131727	8.4	17
93	A Review on the Treatment of Petroleum Refinery Wastewater Using Advanced Oxidation Processes. <i>Catalysts</i> , 2021 , 11, 782	4	16
92	Electrospun Al ₂ O ₃ hydrophobic functionalized membranes for heavy metal recovery using direct contact membrane distillation. <i>International Journal of Energy Research</i> , 2021 , 45, 8151-8167	4.5	16
91	Assessment of algae-based wastewater treatment in hot climate region: Treatment performance and kinetics. <i>Chemical Engineering Research and Design</i> , 2020 , 141, 140-149	5.5	15
90	Treatment of septic tank effluent using moving-bed biological reactor: kinetic and biofilm morphology. <i>International Journal of Environmental Science and Technology</i> , 2016 , 13, 1917-1932	3.3	14
89	An overview on trace CO removal by advanced physisorbent materials. <i>Journal of Environmental Management</i> , 2020 , 255, 109874	7.9	14
88	<i>P. putida</i> as biosorbent for the remediation of cobalt and phenol from industrial waste wastewaters. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101148	7	14
87	Thermocatalytic splitting of CO ₂ using sol-gel synthesized Co-ferrite redox materials. <i>Fuel</i> , 2019 , 257, 115965	7.1	13
86	Solar/UV-induced photocatalytic degradation of volatile toluene. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 1085-93	2.6	13
85	Performance analysis of hybrid solar chimney power plant for power production and seawater desalination: A sustainable approach. <i>International Journal of Energy Research</i> , 2020 , 45, 17327	4.5	13
84	Fabrication and characterization of pyridinium functionalized anion exchange membranes for acid recovery. <i>Science of the Total Environment</i> , 2019 , 686, 90-96	10.2	12
83	Graphene-based membrane techniques for heavy metal removal: A critical review. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101863	7	12
82	Solar oxidation of toluene over Co doped nano-catalyst. <i>Chemosphere</i> , 2020 , 255, 126878	8.4	11
81	Solid Sorbents as a Retrofit Technology for CO Removal from Natural Gas Under High Pressure and Temperature Conditions. <i>Scientific Reports</i> , 2020 , 10, 269	4.9	11
80	Key Applications and Potential Limitations of Ionic Liquid Membranes in the Gas Separation Process of CO, CH ₄ , N ₂ , H ₂ or Mixtures of These Gases from Various Gas Streams. <i>Molecules</i> , 2020 , 25,	4.8	10
79	Removal of copper ions from aqueous solution using NaOH-treated rice husk. <i>Emergent Materials</i> , 2020 , 3, 857-870	3.5	10
78	Artificial Neural Networks for Predicting Hydrogen Production in Catalytic Dry Reforming: A Systematic Review. <i>Energies</i> , 2021 , 14, 2894	3.1	10

77	Treatment of waste gas contaminated with dichloromethane using photocatalytic oxidation, biodegradation and their combinations. <i>Journal of Hazardous Materials</i> , 2021 , 405, 123735	12.8	10
76	Solar-driven hydrogen production from a water-splitting cycle based on carbon-TiO ₂ nano-tubes. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 3294-3294	6.7	10
75	Sol-gel synthesized Ni _x Fe _{3-x} O ₄ for thermochemical conversion of CO ₂ . <i>Applied Surface Science</i> , 2019 , 489, 693-700	6.7	9
74	A state-of-the-art review on producing engineered biochar from shellfish waste and its application in aquaculture wastewater treatment. <i>Chemosphere</i> , 2021 , 288, 132559	8.4	9
73	Electrochemical oxidation of ammonia (NH ₄ ⁺ /NH ₃) ON synthesized nickel-cobalt oxide catalyst. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 4678-4690	6.7	9
72	Application of magnetic nanoparticles for the removal of oil from oil-in-water emulsion: Regeneration/reuse of spent particles. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 203, 108591	4.4	9
71	Thermochemical splitting of CO ₂ using Co-precipitation synthesized Ce _{0.75} Zr _{0.2} M _{0.05} O _{2-δ} (M = Cr, Mn, Fe, CO, Ni, Zn) materials. <i>Fuel</i> , 2019 , 256, 115834	7.1	8
70	Characterization of polysulfone/diisopropylamine 1-alkyl-3-methylimidazolium ionic liquid membranes: high pressure gas separation applications 2020 , 10, 795-808		8
69	Treatment of Air Containing Volatile Organic Carbon: Elimination and Post Treatment. <i>Environmental Engineering Science</i> , 2007 , 24, 1038-1047	2	8
68	Doping amino acids with classical gas hydrate inhibitors to facilitate the hydrate inhibition effect at low dosages 2020 , 10, 783-794		8
67	Hydrogen production via solar driven thermochemical cerium oxide / cerium sulfate water splitting cycle. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 10381-10390	6.7	7
66	Forecast of the outbreak of COVID-19 using artificial neural network: Case study Qatar, Spain, and Italy. <i>Results in Physics</i> , 2021 , 27, 104484	3.7	7
65	Enhanced oil recovery using hyperbranched polyglycerol polymer-coated silica nanoparticles. <i>Chemosphere</i> , 2021 , 285, 131295	8.4	7
64	Application of Li-, Mg-, Ba-, Sr-, Ca-, and Sn-doped ceria for solar-driven thermochemical conversion of carbon dioxide. <i>Journal of Materials Science</i> , 2020 , 55, 11797-11807	4.3	6
63	Electro-oxidation of two reactive azo dyes on boron-doped diamond electrode. <i>Water Science and Technology</i> , 2012 , 66, 465-71	2.2	6
62	Thermodynamic analysis of solar-driven chemical looping steam methane reforming over Cr ₂ O ₃ /Cr redox pair. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 10370-10380	6.7	6
61	A novel technique of paper mill sludge conversion to bioethanol toward sustainable energy production: Effect of fiber recovery on the saccharification hydrolysis and fermentation. <i>Energy</i> , 2021 , 223, 120018	7.9	6
60	Sustainable removal of copper from wastewater using chemically treated bio-sorbent: Characterization, mechanism and process kinetics. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101555	7	6

59	Functionalization of silica-coated magnetic nanoparticles as powerful demulsifier to recover oil from oil-in-water emulsion. <i>Chemosphere</i> , 2021 , 279, 130360	8.4	6
58	Utilizing environmentally friendly hyperbranched polyglycerol polymers to separate gasoline from deionized water 2020 , 10, 759-770		5
57	Biodegradability Enhancement of 2,4-Dichlorophenol Aqueous Solution by Means of Photo-Fenton Reaction. <i>Environmental Engineering Science</i> , 2006 , 23, 722-733	2	5
56	Pesticides and Herbicides. <i>Water Environment Research</i> , 2004 , 76, 1775-1856	2.8	5
55	Recent Progress on Nanomaterial-Based Membranes for Water Treatment.. <i>Membranes</i> , 2021 , 11,	3.8	5
54	Paper Mill Sludge as a Source of Sugars for Use in the Production of Bioethanol and Isoprene. <i>Energies</i> , 2020 , 13, 4662	3.1	5
53	Study on Boil-off Gas (BOG) Minimization and Recovery Strategies from Actual Baseload LNG Export Terminal: Towards Sustainable LNG Chains. <i>Energies</i> , 2021 , 14, 3478	3.1	5
52	Solar photo-catalytic production of hydrogen by irradiation of cobalt co-doped TiO ₂ . <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 12068-12081	6.7	5
51	A new insight into the separation of oil from oil/water emulsion by FeO-SiO nanoparticles. <i>Environmental Research</i> , 2021 , 202, 111645	7.9	5
50	Graphene derivatives in bioplastic: A comprehensive review of properties and future perspectives. <i>Chemosphere</i> , 2022 , 286, 131892	8.4	5
49	Health risk assessment induced by trace toxic metals in tap drinking water: Condorcet principle development. <i>Chemosphere</i> , 2022 , 286, 131821	8.4	5
48	Recent advances in MXene-based nanomaterials for desalination at water interfaces. <i>Environmental Research</i> , 2022 , 203, 111845	7.9	5
47	A comprehensive review on MXenes as new nanomaterials for degradation of hazardous pollutants: Deployment as heterogeneous sonocatalysis. <i>Chemosphere</i> , 2022 , 287, 132387	8.4	5
46	A state-of-the-art review on spent coffee ground (SCG) pyrolysis for future biorefinery. <i>Chemosphere</i> , 2022 , 286, 131730	8.4	5
45	Field study comparing the effect of hydraulic mixing on septic tank performance and sludge accumulation. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 521-34	2.6	4
44	Ammonia Electrooxidation on NiPd Nanoparticles in Alkaline Media: Effect of pH and Concentration. <i>ECS Transactions</i> , 2013 , 50, 1897-1906	1	4
43	Ozone treatment for the degradation of resin and unsaturated fatty acids at low temperatures. <i>Journal of Environmental Engineering and Science</i> , 2006 , 5, S95-S102	0.8	4
42	Effect of Membrane Fouling on Fertilizer-Drawn Forward Osmosis Desalination Performance. <i>Membranes</i> , 2020 , 10,	3.8	4

41	Fabrication of titanium dioxide nanomaterial for implantable highly flexible composite bioelectrode for biosensing applications. <i>Chemosphere</i> , 2021 , 273, 129680	8.4	4
40	Thermochemical splitting of CO ₂ using solution combustion synthesized lanthanum-strontium-manganese perovskites. <i>Fuel</i> , 2021 , 285, 119154	7.1	4
39	Ni incorporation in MgFe ₂ O ₄ for improved CO ₂ -splitting activity during solar fuel production. <i>Journal of Materials Science</i> , 2020 , 55, 11086-11094	4.3	3
38	Co-precipitation synthesized nanostructured Ce _{0.9} Ln _{0.05} Ag _{0.05} O ₂ materials for solar thermochemical conversion of CO ₂ into fuels. <i>Journal of Materials Science</i> , 2020 , 55, 9748-9761	4.3	3
37	A New Sustainable and Novel Hybrid Solar Chimney Power Plant Design for Power Generation and Seawater Desalination. <i>Sustainability</i> , 2021 , 13, 12100	3.6	3
36	A critical review of the development and demulsification processes applied for oil recovery from oil in water emulsions. <i>Chemosphere</i> , 2021 , 291, 133099	8.4	3
35	Evaluation of the efficiency of ionic liquids in the demulsification of oil-in-water emulsions. <i>Environmental Technology and Innovation</i> , 2021 , 24, 102003	7	3
34	Nickel/Cobalt nanoparticles for electrochemical production of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 11369-11377	6.7	3
33	Kinetics of reactive absorption of CO ₂ using aqueous blend of potassium carbonate, ethylaminoethanol, and N-methyl-2-Pyrrolidone (APCEN solvent). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 89, 191-197	5.3	3
32	Valorization and optimization of agro-industrial orange waste for the production of enzyme by halophilic <i>Streptomyces</i> sp. <i>Environmental Research</i> , 2021 , 201, 111494	7.9	3
31	Recent Developments and Advancements in Graphene-Based Technologies for Oil Spill Cleanup and Oil-Water Separation Processes.. <i>Nanomaterials</i> , 2021 , 12,	5.4	3
30	Evaluation of redox performance of silver and transition metal-doped ternary ceria oxides for thermochemical splitting of CO ₂ . <i>International Journal of Energy Research</i> , 2019 , 43, 3616-3627	4.5	2
29	A systematic approach for design and simulation of monoethylene glycol (MEG) recovery in oil and gas industry. <i>International Journal of Energy Research</i> , 2020 , 44, 12363-12375	4.5	2
28	Biological-Based Produced Water Treatment Using Microalgae: Challenges and Efficiency. <i>Sustainability</i> , 2022 , 14, 499	3.6	2
27	From Waste to Watts: Updates on Key Applications of Microbial Fuel Cells in Wastewater Treatment and Energy Production. <i>Sustainability</i> , 2022 , 14, 955	3.6	2
26	Thermochemical splitting of CO ₂ using solution combustion synthesized LaMO ₃ (where, M = Co, Fe, Mn, Ni, Al, Cr, Sr). <i>Applied Surface Science</i> , 2020 , 509, 144908	6.7	2
25	Innovative BPPO Anion Exchange Membranes Formulation Using Diffusion Dialysis-Enhanced Acid Regeneration System. <i>Membranes</i> , 2021 , 11,	3.8	2
24	Solar thermochemical H ₂ production via MnSO ₄ /MnO water splitting cycle: Thermodynamic equilibrium and efficiency analysis. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 10324-10333	6.7	2

23	Ni-based nanocomposite material as a highly efficient catalyst for electrochemical production of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 4691-4698	6.7	2
22	High Purity/Recovery Separation of Propylene from Propyne Using Anion Pillared Metal-Organic Framework: Application of Vacuum Swing Adsorption (VSA). <i>Energies</i> , 2021 , 14, 609	3.1	2
21	An Innovative Design of a Solar Double-Chimney Power Plant for Electricity Generation. <i>Energies</i> , 2021 , 14, 6235	3.1	2
20	Optimization of thermostable proteases production under agro-wastes solid-state fermentation by a new thermophilic <i>Mycothermus thermophilus</i> isolated from a hydrothermal spring Hammam Debagh, Algeria. <i>Chemosphere</i> , 2022 , 286, 131479	8.4	2
19	Delivery of Immunomodulatory Microparticles in a Murine Model of Rotator Cuff Tear. <i>MRS Advances</i> , 2018 , 3, 1341-1346	0.7	1
18	Pilot-scale co-processing of lignocellulosic biomass, algae, shellfish waste via thermochemical approach: Recent progress and future directions.. <i>Bioresource Technology</i> , 2022 , 347, 126687	11	1
17	A global systematic review of the concentrations of Malathion in water matrices: Meta-analysis, and probabilistic risk assessment. <i>Chemosphere</i> , 2021 , 132789	8.4	1
16	Integration of Solar Chimney Power Plant with Photovoltaic for Co-Cooling, Power Production, and Water Desalination. <i>Processes</i> , 2021 , 9, 2155	2.9	1
15	Progress in valorisation of agriculture, aquaculture and shellfish biomass into biochemicals and biomaterials towards sustainable bioeconomy. <i>Chemosphere</i> , 2021 , 291, 133036	8.4	1
14	Effective Separation of Prime Olefins from Gas Stream Using Anion Pillared Metal Organic Frameworks: Ideal Adsorbed Solution Theory Studies, Cyclic Application and Stability. <i>Catalysts</i> , 2021 , 11, 510	4	1
13	Prospective of Upfront Nitrogen (N ₂) Removal in LNG Plants: Technical Communication. <i>Energies</i> , 2021 , 14, 3616	3.1	1
12	Treatment Technologies for Cooling Water Blowdown: A Critical Review. <i>Sustainability</i> , 2022 , 14, 376	3.6	1
11	The novel advancements of nanomaterials in biofuel cells with a focus on electrodes applications. <i>Fuel</i> , 2022 , 322, 124237	7.1	1
10	Design, optimization and economic analysis of a monoethylene glycol recovery process: salt precipitation and vacuum operation. <i>International Journal of Energy Research</i> , 2020 , 44, 12592-12601	4.5	0
9	Potential Use of Treated Wastewater as Groundwater Recharge Using GIS Techniques and Modeling Tools in Dhuleil-Halabat Well-Field/Jordan. <i>Water (Switzerland)</i> , 2021 , 13, 1581	3	0
8	Probing the effect of various water fractions on methane (CH ₄) hydrate phase equilibria and hydrate inhibition performance of amino acid L-proline. <i>Journal of Molecular Liquids</i> , 2021 , 333, 115888	6	0
7	HumidificationDehumidification (HDH) Desalination and Other Volume Reduction Techniques for Produced Water Treatment. <i>Water (Switzerland)</i> , 2022 , 14, 60	3	0
6	An integrated framework of data-driven, metaheuristic, and mechanistic modeling approach for biomass pyrolysis. <i>Chemical Engineering Research and Design</i> , 2022 , 162, 337-345	5.5	0

- 5 State of charge estimation for a group of lithium-ion batteries using long short-term memory neural network. *Journal of Energy Storage*, **2022**, 52, 104761 7.8 0
- 4 Catalytic Reduction of CO₂ into Solar Fuels via Ferrite Based Thermochemical Redox Reactions. *MRS Advances*, **2017**, 2, 3389-3395 0.7
- 3 Guest editorial for the special issue energy research for better sustainability. *International Journal of Energy Research*, **2020**, 44, 12208-12208 4.5
- 2 Moderate Temperature Treatment of Gas-Phase Volatile Organic Toluene Using NiO and NiO//NiO₂ Nano-catalysts: Characterization and Kinetic Behaviors. *Waste and Biomass Valorization*, **2021**, 12, 3075-3089 3.2
- 1 A solar thermochemical praseodymium sesquioxide assisted CO₂ splitting cycle. *International Journal of Energy Research*, **2021**, 45, 9999-10011 4.5