

Fathollah Pourfayaz

List of Publications by Year in descending order

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128
papers

6,547
citations

50170

46
h-index

71532

76
g-index

128
all docs

128
docs citations

128
times ranked

5304
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectric cooler and thermoelectric generator devices: A review of present and potential applications, modeling and materials. <i>Energy</i> , 2019, 186, 115849.	4.5	344
2	Numerical investigation on using of nanofluid in a water-cooled photovoltaic thermal system. <i>Energy Conversion and Management</i> , 2016, 122, 263-278.	4.4	301
3	Optimal sizing of autonomous hybrid photovoltaic/wind/battery power system with LPSP technology by using evolutionary algorithms. <i>Solar Energy</i> , 2015, 115, 471-483.	2.9	223
4	Experimental studies on the applications of PCMs and nano-PCMs in buildings: A critical review. <i>Energy and Buildings</i> , 2017, 154, 96-112.	3.1	222
5	Design of a cost-effective wind/photovoltaic/hydrogen energy system for supplying a desalination unit by a heuristic approach. <i>Solar Energy</i> , 2016, 139, 666-675.	2.9	179
6	Optimal sizing and location based on economic parameters for an off-grid application of a hybrid system with photovoltaic, battery and diesel technology. <i>Energy</i> , 2020, 201, 117480.	4.5	144
7	Sizing of stand-alone photovoltaic/wind/diesel system with battery and fuel cell storage devices by harmony search algorithm. <i>Journal of Energy Storage</i> , 2015, 2, 30-42.	3.9	137
8	Optimal design of stand-alone reverse osmosis desalination driven by a photovoltaic and diesel generator hybrid system. <i>Solar Energy</i> , 2018, 163, 91-103.	2.9	137
9	Thermodynamic analysis of a combined gas turbine, ORC cycle and absorption refrigeration for a CCHP system. <i>Applied Thermal Engineering</i> , 2017, 111, 397-406.	3.0	135
10	Fast and clean functionalization of carbon nanotubes by dielectric barrier discharge plasma in air compared to acid treatment. <i>Carbon</i> , 2010, 48, 1369-1379.	5.4	133
11	Thermal models for analysis of performance of Stirling engine: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 168-184.	8.2	131
12	Exergoeconomic analysis and multi objective optimization of performance of a Carbon dioxide power cycle driven by geothermal energy with liquefied natural gas as its heat sink. <i>Energy Conversion and Management</i> , 2016, 119, 422-434.	4.4	129
13	CeO ₂ doped SnO ₂ sensor selective to ethanol in presence of CO, LPG and CH ₄ . <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 172-176.	4.0	125
14	Renewable energy harvesting with the application of nanotechnology: A review. <i>International Journal of Energy Research</i> , 2019, 43, 1387-1410.	2.2	125
15	Thermodynamic analysis and multi objective optimization of performance of solar dish Stirling engine by the centrality of entransy and entropy generation. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 78, 88-95.	3.3	115
16	A novel framework for optimal design of hybrid renewable energy-based autonomous energy systems: A case study for Namin, Iran. <i>Energy</i> , 2016, 98, 168-180.	4.5	112
17	Introducing an integrated chemical looping hydrogen production, inherent carbon capture and solid oxide fuel cell biomass fueled power plant process configuration. <i>Energy Conversion and Management</i> , 2016, 124, 141-154.	4.4	110
18	Thermodynamic and exergy analysis and optimization of a transcritical CO ₂ power cycle driven by geothermal energy with liquefied natural gas as its heat sink. <i>Applied Thermal Engineering</i> , 2016, 109, 640-652.	3.0	106

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19	Harmony search optimization for optimum sizing of hybrid solar schemes based on battery storage unit. <i>Energy Reports</i> , 2020, 6, 102-111.	2.5	106
20	Evaluating the environmental parameters affecting the performance of photovoltaic thermal system using nanofluid. <i>Applied Thermal Engineering</i> , 2017, 115, 178-187.	3.0	105
21	Optimization of a grid-connected hybrid solar-wind-hydrogen CHP system for residential applications by efficient metaheuristic approaches. <i>Applied Thermal Engineering</i> , 2017, 123, 1263-1277.	3.0	99
22	A novel framework for optimal photovoltaic size and location in remote areas using a hybrid method: A case study of eastern Iran. <i>Energy Conversion and Management</i> , 2017, 153, 129-143.	4.4	96
23	Stand-alone hybrid energy systems for remote area power generation. <i>Energy Reports</i> , 2019, 5, 231-241.	2.5	96
24	Thermodynamic and economic analysis of performance evaluation of all the thermal power plants: A review. <i>Energy Science and Engineering</i> , 2019, 7, 30-65.	1.9	87
25	Thermodynamic analysis and optimization of a waste heat recovery system for proton exchange membrane fuel cell using transcritical carbon dioxide cycle and cold energy of liquefied natural gas. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 34, 428-438.	2.1	85
26	Experimental investigation on the thermal behavior of nanofluid direct absorption in a trough collector. <i>Journal of Cleaner Production</i> , 2017, 158, 276-284.	4.6	85
27	Optimal Operation of a Grid-Connected Hybrid Renewable Energy System for Residential Applications. <i>Sustainability</i> , 2017, 9, 1314.	1.6	80
28	Thermodynamic analysis and optimization for an irreversible heat pump working on reversed Brayton cycle. <i>Energy Conversion and Management</i> , 2016, 110, 260-267.	4.4	79
29	Thermodynamic evaluation and multi-objective optimization of molten carbonate fuel cell-supercritical CO ₂ Brayton cycle hybrid system. <i>Energy Conversion and Management</i> , 2017, 153, 538-556.	4.4	76
30	Novel ZnO-Ag/MWCNT nanocomposite for the photocatalytic degradation of phenol. <i>Materials Science in Semiconductor Processing</i> , 2018, 83, 175-185.	1.9	73
31	Energy and exergy analyses of solid oxide fuel cell-gas turbine hybrid systems fed by different renewable biofuels: A comparative study. <i>Journal of Cleaner Production</i> , 2021, 280, 124383.	4.6	67
32	An artificial intelligence approach to optimization of an off-grid hybrid wind/hydrogen system. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 12725-12738.	3.8	66
33	Comparative study of different nanofluids applied in a trough collector with glass-glass absorber tube. <i>Journal of Molecular Liquids</i> , 2017, 234, 315-323.	2.3	64
34	Thermo-economic analysis and multi-objective optimization of a transcritical CO ₂ power cycle driven by solar energy and LNG cold recovery. <i>Thermal Science and Engineering Progress</i> , 2017, 4, 185-196.	1.3	64
35	Low global warming potential (GWP) working fluids (WFs) for Organic Rankine Cycle (ORC) applications. <i>Energy Reports</i> , 2022, 8, 2976-2988.	2.5	64
36	Thermodynamic analysis and evolutionary algorithm based on multi-objective optimization performance of actual power generating thermal cycles. <i>Applied Thermal Engineering</i> , 2016, 99, 996-1005.	3.0	62

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37	Ceria-doped SnO ₂ sensor highly selective to ethanol in humid air. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 625-629.	4.0	60
38	Optimization of powered Stirling heat engine with finite speed thermodynamics. <i>Energy Conversion and Management</i> , 2016, 108, 96-105.	4.4	59
39	Introducing and analysis of a hybrid molten carbonate fuel cell-supercritical carbon dioxide Brayton cycle system. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 18, 100-106.	1.7	57
40	An assessment of Iran's natural gas potential for transition toward low-carbon economy. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 71-81.	8.2	56
41	Numerical investigation of the nanofluid effects on the heat extraction process of solar ponds in the transient step. <i>Solar Energy</i> , 2017, 157, 869-879.	2.9	54
42	Energy, exergy, exergoeconomic and sensitivity analyses of modified Claus process in a gas refinery sulfur recovery unit. <i>Journal of Cleaner Production</i> , 2019, 220, 1071-1087.	4.6	54
43	Multi-objective performance optimization of irreversible molten carbonate fuel cell-Brayton heat engine and thermodynamic analysis with ecological objective approach. <i>Energy</i> , 2018, 144, 707-722.	4.5	52
44	Energy and Exergy Analyses of a Solid Oxide Fuel Cell-Gas Turbine-Organic Rankine Cycle Power Plant with Liquefied Natural Gas as Heat Sink. <i>Entropy</i> , 2018, 20, 484.	1.1	51
45	Application of N-doped carbon nanotube-supported Pt-Ru as electrocatalyst layer in passive direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25307-25316.	3.8	51
46	Numerical modeling and economic analysis of a ground source heat pump for supplying energy for a greenhouse in Alborz province, Iran. <i>Journal of Cleaner Production</i> , 2016, 131, 145-154.	4.6	50
47	A review on solar-assisted gas turbines. <i>Energy Science and Engineering</i> , 2018, 6, 658-674.	1.9	49
48	Performance assessment and optimization of an irreversible nano-scale Stirling engine cycle operating with Maxwell-Boltzmann gas. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	46
49	Designing a powered combined Otto and Stirling cycle power plant through multi-objective optimization approach. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 585-595.	8.2	46
50	Exergetic sustainability evaluation and multi-objective optimization of performance of an irreversible nanoscale Stirling refrigeration cycle operating with Maxwell-Boltzmann gas. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 80-92.	8.2	45
51	Connectionist intelligent model estimates of convective heat transfer coefficient of nanofluids in circular cross-sectional channels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1213-1239.	2.0	45
52	Geothermal energy use in hydrogen production: A review. <i>International Journal of Energy Research</i> , 2019, 43, 7823.	2.2	45
53	Advanced exergy analysis of heat exchanger network in a complex natural gas refinery. <i>Journal of Cleaner Production</i> , 2019, 206, 670-687.	4.6	44
54	Modeling and multi-optimization of thermal section of Claus process based on kinetic model. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 38, 235-244.	2.1	43

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55	The effect of hydrodynamic and ultrasonic cavitation on biodiesel production: An exergy analysis approach. <i>Energy</i> , 2018, 160, 478-489.	4.5	41
56	Improving energy efficiency in a complex natural gas refinery using combined pinch and advanced exergy analyses. <i>Applied Thermal Engineering</i> , 2018, 137, 341-355.	3.0	38
57	Process development and thermodynamic analysis of a novel power generation plant driven by geothermal energy with liquefied natural gas as its heat sink. <i>Applied Thermal Engineering</i> , 2018, 133, 645-658.	3.0	37
58	Recent Advances of Biodiesel Production Using Ionic Liquids Supported on Nanoporous Materials as Catalysts: A Review. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	37
59	Proposal and investigation of a novel hybrid hydrogen production and liquefaction process using solid oxide electrolyzer, solar energy, and thermoelectric generator. <i>Journal of Cleaner Production</i> , 2022, 331, 130001.	4.6	36
60	Process development and exergy analysis of a novel hybrid fuel cell-absorption refrigeration system utilizing nanofluid as the absorbent liquid. <i>International Journal of Refrigeration</i> , 2019, 97, 31-41.	1.8	35
61	Modeling and improvement of solid oxide fuel cell-single effect absorption chiller hybrid system by using nanofluids as heat transporters. <i>Applied Thermal Engineering</i> , 2020, 166, 114707.	3.0	34
62	Transient heat extraction modeling method for a rectangular type salt gradient solar pond. <i>Energy Conversion and Management</i> , 2017, 132, 316-326.	4.4	31
63	Towards experimental and modeling study of heat transfer performance of water- SiO_2 nanofluid in quadrangular cross-section channels. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019, 13, 453-469.	1.5	31
64	Investigating the effect of using PCM in building materials for energy saving: Case study of Sharif Energy Research Institute. <i>Energy Science and Engineering</i> , 2020, 8, 959-972.	1.9	31
65	Techno-economic assessment of biodiesel production from canola oil through ultrasonic cavitation. <i>Energy Reports</i> , 2021, 7, 266-277.	2.5	30
66	Fluid dynamics analysis for different photovoltaic panel locations in solar chimney. <i>Energy Conversion and Management</i> , 2019, 191, 71-79.	4.4	29
67	Investigating the effect of using nanofluids on the performance of a double-effect absorption refrigeration cycle combined with a solar collector. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2020, 234, 981-993.	0.8	29
68	Biodiesel production from Norouzak (<i>Salvia leriifolia</i>) oil using choline hydroxide catalyst in a microchannel reactor. <i>Renewable Energy</i> , 2019, 136, 993-1001.	4.3	28
69	An experimental comparison of SiO_2 /water nanofluid heat transfer in square and circular cross-sectional channels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1577-1586.	2.0	26
70	Nitrogen and sulfur doped ZnAl layered double hydroxide/reduced graphene oxide as an efficient nanoelectrocatalyst for oxygen reduction reactions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 27129-27144.	3.8	26
71	Annual transient analysis of energetic, exergetic, and economic performances of solar cascade organic Rankine cycles integrated with PCM-based thermal energy storage systems. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101388.	2.8	26
72	Energy analysis and shadow modeling of a rectangular type salt gradient solar pond. <i>Solar Energy</i> , 2017, 146, 161-171.	2.9	25

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73	A practical approach to heat exchanger network design in a complex natural gas refinery. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 40, 141-158.	2.1	25
74	Systematic analysis and multi-objective optimization of integrated power generation cycle for a thermal power plant using Genetic algorithm. <i>Energy Conversion and Management</i> , 2021, 241, 114309.	4.4	25
75	Highly selective sensor to CH ₄ in presence of CO and ethanol using LaCoO ₃ perovskite filter with Pt/SnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 420-425.	4.0	24
76	Plasma Functionalization of MWCNTs in He Followed by NH ₃ Treatment and its Application in PMMA Based Nanocomposites. <i>Plasma Processes and Polymers</i> , 2010, 7, 1001-1009.	1.6	24
77	A comparison of effects of plasma and acid functionalizations on structure and electrical property of multi-wall carbon nanotubes. <i>Applied Surface Science</i> , 2014, 295, 66-70.	3.1	24
78	Numerical investigation into mutual effects of soil thermal and isothermal properties on heat and moisture transfer in unsaturated soil applied as thermal storage system. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018, 73, 466-481.	1.2	24
79	A novel hybrid liquefied natural gas process with absorption refrigeration integrated with molten carbonate fuel cell. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 956-976.	1.2	24
80	Multi-objective optimization and exergetic-sustainability of an irreversible nano scale Braysson cycle operating with Maxwell-Boltzmann gas. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 1785-1798.	3.4	23
81	Prediction of solubility of solid compounds in supercritical CO ₂ using a connectionist smart technique. <i>Journal of Supercritical Fluids</i> , 2017, 120, 181-190.	1.6	21
82	Investigation and optimization of performance of nano-scale Stirling refrigerator using working fluid as Maxwell-Boltzmann gases. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 483, 337-350.	1.2	21
83	Performance comparison between the geometry models of multi-channel absorbers in solar volumetric receivers. <i>Renewable Energy</i> , 2017, 105, 1-12.	4.3	21
84	Techno-economic assessment of a hybrid system for energy supply in the affected areas by natural disasters: A case study. <i>Energy Conversion and Management</i> , 2020, 221, 113170.	4.4	21
85	A simple method for estimating the irreversibility in heat exchanger networks. <i>Energy</i> , 2018, 144, 633-646.	4.5	20
86	Entransy analysis and optimization of performance of nano-scale irreversible Otto cycle operating with Maxwell-Boltzmann ideal gas. <i>Chemical Physics Letters</i> , 2016, 658, 293-302.	1.2	19
87	Deployment of a stand-alone hybrid renewable energy system in coastal areas as a reliable energy source. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13354.	1.3	19
88	Assessment of a biomass-based polygeneration plant for combined power, heat, bioethanol and biogas. <i>Applied Thermal Engineering</i> , 2021, 198, 117425.	3.0	19
89	Status of direct and indirect solar desalination methods: comprehensive review. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	17
90	A Simplificative Approach-based Modeling of SOFC Power Systems Fed by Natural Gas. <i>Fuel Cells</i> , 2017, 17, 843-853.	1.5	16

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91	A numerical study into effects of intermittent pump operation on thermal storage in unsaturated porous media. <i>Applied Thermal Engineering</i> , 2018, 138, 110-121.	3.0	15
92	Thermodynamic and thermoeconomic analyses and energetic and exergetic optimization of a turbojet engine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 909-923.	2.0	15
93	Exergy analysis of multiple heat exchanger networks: An approach based on the irreversibility distribution ratio. <i>Energy Reports</i> , 2021, 7, 174-193.	2.5	15
94	Multi-objective performance optimization of irreversible molten carbonate fuel cell-Stirling heat engine-reverse osmosis and thermodynamic assessment with ecological objective approach. <i>Energy Science and Engineering</i> , 2018, 6, 783-796.	1.9	14
95	Thermodynamic Assessment and Multi-Objective Optimization of Performance of Irreversible Dual-Miller Cycle. <i>Energies</i> , 2019, 12, 4000.	1.6	14
96	Optimal sizing of an integrated CHP and desalination system as a polygeneration plant for supplying rural demands. <i>Energy</i> , 2022, 258, 124820.	4.5	14
97	Ultra-low Electrical and Rheological Percolation Thresholds in PMMA/Plasma-Functionalized CNTs Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1450-1455.	1.9	12
98	A simplified model for estimating heat transfer coefficient in a chamber with electrohydrodynamic effect (corona wind). <i>Journal of Electrostatics</i> , 2018, 93, 125-136.	1.0	12
99	Evaluation of MWCNT/ethylene glycol nanofluid flow in a parabolic trough collector with glass-glass absorber tube. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 176-205.	1.6	12
100	Exergetic sustainability evaluation and optimization of an irreversible Brayton cycle performance. <i>Frontiers in Energy</i> , 2019, 13, 399-410.	1.2	12
101	Rapid and enhanced functionalization of MWCNTs in a dielectric barrier discharge plasma in presence of diluted CO ₂ . <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 829-836.	1.1	11
102	On the dispersion of CNTs in polyamide 6 matrix via solution methods: assessment through electrical, rheological, thermal and morphological analyses. <i>Polymer Bulletin</i> , 2013, 70, 2387-2398.	1.7	11
103	Multi-objective optimization of tubular solid oxide fuel cells fed by natural gas: an energetic and exergetic simultaneous optimization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1575-1583.	2.0	11
104	Techno-economic assessment and sensitivity analysis of biodiesel production intensified through hydrodynamic cavitation. <i>Energy Science and Engineering</i> , 2021, 9, 1997-2018.	1.9	11
105	Improvement of solar flat-plate collector performance by optimum tilt angle and minimizing top heat loss coefficient using particle swarm optimization. <i>Energy Science and Engineering</i> , 2020, 8, 2771-2783.	1.9	10
106	High-temperature hydrogen production by solar thermochemical reactors, metal interfaces, and nanofluid cooling. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2547-2569.	2.0	9
107	Cold thermal energy storage by encapsulated phase change materials system using hybrid nanofluids as the heat transfer fluid. <i>International Journal of Energy Research</i> , 2021, 45, 15265-15283.	2.2	9
108	Transient optimization of annual performance of a photovoltaic thermal system based on accurate estimation of coolant water temperature: A comparison with conventional methods. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101395.	2.8	9

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109	A comparison of using organic Rankine and Kalina cycles as bottom cycles in a solar-powered steam Rankine cycle. <i>Energy Science and Engineering</i> , 2022, 10, 2714-2731.	1.9	9
110	The 3E Optimal Location Assessment of Flat-Plate Solar Collectors for Domestic Applications in Iran. <i>Energies</i> , 2022, 15, 3589.	1.6	9
111	Numerical simulation of solar-driven Kalina cycle performance for centralized residential buildings in Iran. <i>Intelligent Buildings International</i> , 2018, 10, 197-219.	1.3	7
112	A Global Dynamic Harmony Search for Optimization of a Hybrid Photovoltaic-Battery Scheme: Impact of Type of Solar Panels. <i>Sustainability</i> , 2022, 14, 109.	1.6	7
113	Combination of Plasma Functionalization and Phase Inversion Process Techniques for Efficient Dispersion of MWCNTs in Polyamide 6: Assessment through Morphological, Electrical, Rheological and Thermal Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 632-638.	1.9	6
114	Thermodynamic analysis and optimization of an irreversible nano scale dual cycle operating with Maxwell-Boltzmann gas. <i>Mechanics and Industry</i> , 2017, 18, 212.	0.5	6
115	Entransy analysis and optimization of irreversible Carnot-like heat engine. <i>Mechanics and Industry</i> , 2017, 18, 204.	0.5	6
116	Investigating the Effect of Soil Type and Moisture on the Performance of a Ground Source Heat Pump System Used for a Greenhouse in Iran. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	0.8	6
117	Thermodynamic analysis of a wood chips-based cycle integrated with solid oxide fuel cell. <i>Renewable Energy</i> , 2022, 195, 1174-1193.	4.3	6
118	Optimization of grid independent diesel-based hybrid system for power generation using improved particle swarm optimization algorithm. , 2015, , .		5
119	Optimal design and analysis of a district energy system including heat and power production for domestic applications and fuel for vehicles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2009-2025.	2.0	5
120	Dynamic thermal simulation based on building information modeling: A review. <i>International Journal of Energy Research</i> , 2021, 45, 14221-14244.	2.2	5
121	An improved particle swarm optimization for optimal configuration of standalone photovoltaic scheme components. <i>Energy Science and Engineering</i> , 0, , .	1.9	5
122	A Detailed Investigation of the Walls Shading Effect on the Performance of Solar Ponds. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13014.	1.3	4
123	Simulation, equipment performance evaluation and sensitivity analysis as a comprehensive parametric study of sulfur recovery unit. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2427.	0.8	4
124	Nitrogen-doped graphene prepared by low-temperature thermal treatment as an electrocatalyst support for methanol oxidation. <i>Fuel Cells</i> , 2021, 21, 172-181.	1.5	4
125	A comprehensive review of nano-phase change materials with a focus on the effects of influential factors. <i>Environmental Progress and Sustainable Energy</i> , 2022, 41, e13808.	1.3	4
126	Effects of Reliability Index on Optimal Configuration of Hybrid Solar/Battery Energy System by Optimization Approach: A Case Study. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-11.	1.4	3

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127	A natural gas-based eco-friendly polygeneration system including gas turbine, sorption-enhanced steam methane reforming, absorption chiller and flue gas CO ₂ capture unit. Sustainable Energy Technologies and Assessments, 2022, 52, 101984.	1.7	3
128	Highly selective sensor to CH ₄ in presence of CO and ethanol using LaCoO ₃ perovskite filter with Pt/SnO ₂ . , 0, , .		1