

Amin Mohammadi

List of Publications by Citations

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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.

16
papers

949
citations

14
h-index

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g-index

16
ext. papers

1,147
ext. citations

7.5
avg, IF

5.14
L-index

#	Paper	IF	Citations
16	Exergy analysis of a Combined Cooling, Heating and Power system integrated with wind turbine and compressed air energy storage system. <i>Energy Conversion and Management</i> , 2017 , 131, 69-78	10.6	164
15	A comprehensive review on coupling different types of electrolyzer to renewable energy sources. <i>Energy</i> , 2018 , 158, 632-655	7.9	102
14	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	5.8	102
13	Exergy analysis and optimization of an integrated micro gas turbine, compressed air energy storage and solar dish collector process. <i>Journal of Cleaner Production</i> , 2016 , 139, 372-383	10.3	97
12	Exergy analysis and optimization of a CCHP system composed of compressed air energy storage system and ORC cycle. <i>Energy Conversion and Management</i> , 2018 , 157, 111-122	10.6	68
11	Advanced exergy and exergoeconomic analyses of a hydrogen liquefaction plant equipped with mixed refrigerant system. <i>Journal of Cleaner Production</i> , 2017 , 144, 248-259	10.3	66
10	Thermoeconomic analysis and optimization of a regenerative two-stage organic Rankine cycle coupled with liquefied natural gas and solar energy. <i>Energy</i> , 2017 , 126, 899-914	7.9	65
9	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	4.6	64
8	Energy, exergy and economic analyses of a novel system to recover waste heat and water in steam power plants. <i>Energy Conversion and Management</i> , 2017 , 144, 351-360	10.6	62
7	Thermoeconomic analysis and multiobjective optimization of a combined gas turbine, steam, and organic Rankine cycle. <i>Energy Science and Engineering</i> , 2018 , 6, 506-522	3.4	38
6	Techno-economic analysis of hydrogen production by solid oxide electrolyzer coupled with dish collector. <i>Energy Conversion and Management</i> , 2018 , 173, 167-178	10.6	37
5	Thermodynamic analysis of a new cascade ORC and transcritical CO ₂ cycle to recover energy from medium temperature heat source and liquefied natural gas. <i>Energy Conversion and Management</i> , 2018 , 167, 9-20	10.6	30
4	Thermodynamic and economic analyses of hydrogen production system using high temperature solid oxide electrolyzer integrated with parabolic trough collector. <i>Journal of Cleaner Production</i> , 2019 , 212, 713-726	10.3	23
3	Techno-economic analysis of new integrated system of humid air turbine, organic Rankine cycle, and parabolic trough collector. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 2691-2703	4.1	16
2	Exergy analysis and optimisation of waste heat recovery systems for cement plants. <i>International Journal of Sustainable Energy</i> , 2018 , 37, 115-133	2.7	10
1	Economic evaluation of different scenarios for gas turbine waste heat recovery to produce water and power. <i>International Journal of Ambient Energy</i> , 2017 , 38, 727-734	2	5