

# Javad Mahmoudimehr

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

507  
citations

840776

11  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and thermo-economic optimization of a new multi-generation system with geothermal heat source and LNG heat sink. <i>Energy Conversion and Management</i> , 2019, 189, 153-166.	9.2	89
2	Techno-economic role of PV tracking technology in a hybrid PV-hydroelectric standalone power system. <i>Applied Energy</i> , 2018, 212, 84-108.	10.1	72
3	Optimal design of hybrid photovoltaic-hydroelectric standalone energy system for north and south of Iran. <i>Renewable Energy</i> , 2018, 115, 238-251.	8.9	69
4	Techno-economic comparison of anode-supported, cathode-supported, and electrolyte-supported SOFCs. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15521-15530.	7.1	58
5	Optimal design of a natural gas transmission network layout. <i>Chemical Engineering Research and Design</i> , 2013, 91, 2465-2476.	5.6	43
6	A novel multi-objective Dynamic Programming optimization method: Performance management of a solar thermal power plant as a case study. <i>Energy</i> , 2019, 168, 796-814.	8.8	38
7	Influences of feeding conditions and objective function on the optimal design of gas flow channel of a PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 23141-23159.	7.1	26
8	Superiority of a novel conic tubular PEM fuel cell over the conventional cylindrical one. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28865-28882.	7.1	25
9	Minimization of fuel consumption in cyclic and non-cyclic natural gas transmission networks: Assessment of genetic algorithm optimization method as an alternative to non-sequential dynamic programming. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 904-917.	5.3	18
10	Minimization of Fuel Consumption of Natural Gas Compressor Stations with Similar and Dissimilar Turbo-Compressor Units. <i>Journal of Energy Engineering - ASCE</i> , 2014, 140, .	1.9	17
11	Influence of climatological data records on design of a standalone hybrid PV-hydroelectric power system. <i>Renewable Energy</i> , 2019, 141, 181-194.	8.9	13
12	Technical study of a PEM fuel cell on the Psychrometric chart. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 607-613.	7.1	9
13	Optimal management of a solar power plant equipped with a thermal energy storage system by using dynamic programming method. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2016, 230, 219-233.	1.4	8
14	The influences of major geometrical parameters on detailed radiative performance of a multi-tubular solar thermochemical reactor. <i>Applied Thermal Engineering</i> , 2019, 159, 113793.	6.0	6
15	Multi-objective optimization of a municipal solid waste gasifier. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1703-1718.	4.6	6
16	A novel map for deciding on the type of a hydro power plant. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 2016, 169, 161-178.	0.6	4
17	Thermodynamic analysis and multi-objective optimization of a new biomass-driven multi-generation system for zero energy buildings. <i>Energy Systems</i> , 2021, 12, 157-180.	3.0	4
18	Modelling and economic optimisation of under-floor heating system. <i>Building Services Engineering Research and Technology</i> , 2012, 33, 191-202.	1.8	1

#	ARTICLE	IF	CITATIONS
19	An underground anaerobic digester with permissible temperature fluctuations: A parametric study. , 2022, 2, 100007.		1
20	Techno-economic assessment of a new biomass-driven cogeneration system proposed for net zero energy buildings. Environmental Progress and Sustainable Energy, 2022, 41, e13776.	2.3	0