Javad Mahmoudimehr

List of Publications by Year
in descending order

20	507	840776 11	839539 18
papers	citations	h-index	g-index

20	20	20	595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Technoâ€economic assessment of a new biomassâ€driven cogeneration system proposed for net zero energy buildings. Environmental Progress and Sustainable Energy, 2022, 41, e13776.	2.3	0
2	An underground anaerobic digester with permissible temperature fluctuations: A parametric study. , 2022, 2, 100007.		1
3	Thermodynamic analysis and multi-objective optimization of a new biomass-driven multi-generation system for zero energy buildings. Energy Systems, 2021, 12, 157-180.	3.0	4
4	Multi-objective optimization of a municipal solid waste gasifier. Biomass Conversion and Biorefinery, 2021, 11, 1703-1718.	4.6	6
5	The influences of major geometrical parameters on detailed radiative performance of a multi-tubular solar thermochemical reactor. Applied Thermal Engineering, 2019, 159, 113793.	6.0	6
6	Modeling and thermo-economic optimization of a new multi-generation system with geothermal heat source and LNG heat sink. Energy Conversion and Management, 2019, 189, 153-166.	9.2	89
7	Influence of climatological data records on design of a standalone hybrid PV-hydroelectric power system. Renewable Energy, 2019, 141, 181-194.	8.9	13
8	A novel multi-objective Dynamic Programming optimization method: Performance management of a solar thermal power plant as a case study. Energy, 2019, 168, 796-814.	8.8	38
9	Optimal design of hybrid photovoltaic-hydroelectric standalone energy system for north and south of Iran. Renewable Energy, 2018, 115, 238-251.	8.9	69
10	Techno-economic role of PV tracking technology in a hybrid PV-hydroelectric standalone power system. Applied Energy, 2018, 212, 84-108.	10.1	72
11	Techno-economic comparison of anode-supported, cathode-supported, and electrolyte-supported SOFCs. International Journal of Hydrogen Energy, 2018, 43, 15521-15530.	7.1	58
12	Superiority of a novel conic tubular PEM fuel cell over the conventional cylindrical one. International Journal of Hydrogen Energy, 2017, 42, 28865-28882.	7.1	25
13	Influences of feeding conditions and objective function on the optimal design of gas flow channel of a PEM fuel cell. International Journal of Hydrogen Energy, 2017, 42, 23141-23159.	7.1	26
14	A novel map for deciding on the type of a hydro power plant. Proceedings of Institution of Civil Engineers: Energy, 2016, 169, 161-178.	0.6	4
15	Technical study of a PEM fuel cell on the Psychrometric chart. International Journal of Hydrogen Energy, 2016, 41, 607-613.	7.1	9
16	Optimal management of a solar power plant equipped with a thermal energy storage system by using dynamic programming method. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2016, 230, 219-233.	1.4	8
17	Minimization of Fuel Consumption of Natural Gas Compressor Stations with Similar and Dissimilar Turbo-Compressor Units. Journal of Energy Engineering - ASCE, 2014, 140, .	1.9	17
18	Optimal design of a natural gas transmission network layout. Chemical Engineering Research and Design, 2013, 91, 2465-2476.	5.6	43

#	Article	IF	Citations
19	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 programing. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 904-917.	5.3	18
20	Modelling and economic optimisation of under-floor heating system. Building Services Engineering Research and Technology, 2012, 33, 191-202.	1.8	1