Saeed Asghari

List of Publications by Year
in descending order

22 papers	972 citations	516710 16 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	1076 citing authors

#	Article	IF	Citations
1	Study of PEM fuel cell performance by electrochemical impedance spectroscopy. International Journal of Hydrogen Energy, 2010, 35, 9283-9290.	7.1	197
2	Metallurgical and mechanical methods for recycling of lithium-ion battery pack for electric vehicles. Resources, Conservation and Recycling, 2018, 136, 198-208.	10.8	184
3	An investigation into the effect of manifold geometry on uniformity of temperature distribution in a PEMFC stack. Energy, 2018, 145, 141-151.	8.8	76
4	Design of thermal management subsystem for a 5kW polymer electrolyte membrane fuel cell system. Journal of Power Sources, 2011, 196, 3141-3148.	7.8	74
5	Design and manufacturing of end plates of a 5kW PEM fuel cell. International Journal of Hydrogen Energy, 2010, 35, 9291-9297.	7.1	51
6	An investigation into the effect of anode purging on the fuel cell performance. International Journal of Hydrogen Energy, 2010, 35, 9276-9282.	7.1	49
7	Treated carbon felt as electrode material in vanadium redox flow batteries: a study of the use of carbon nanotubes as electrocatalyst. Journal of Solid State Electrochemistry, 2017, 21, 69-79.	2.5	48
8	Integration of finite element analysis and design of experiment for the investigation of critical factors in rubber pad forming of metallic bipolar plates for PEM fuel cells. International Journal of Hydrogen Energy, 2017, 42, 575-589.	7.1	44
9	Mathematical modeling and simulation of thermal management in polymer electrolyte membrane fuel cell stacks. Journal of Power Sources, 2014, 268, 533-545.	7.8	37
10	Finite element simulation of thermal barrier coating performance under thermal cycling. Surface and Coatings Technology, 2010, 205, 2042-2050.	4.8	35
11	A diagnosis method for identification of the defected cell(s) in the PEM fuel cells. International Journal of Hydrogen Energy, 2010, 35, 9269-9275.	7.1	31
12	Optimization of the performance, operation conditions and purge rate for a dead-ended anode proton exchange membrane fuel cell using an analytical model. Energy, 2019, 179, 173-185.	8.8	28
13	A numerical model for soldering process in silicon solar cells. Solar Energy, 2017, 148, 49-56.	6.1	25
14	Investigation of self-humidified and dead-ended anode proton exchange membrane fuel cell performance using electrochemical impedance spectroscopy. International Journal of Hydrogen Energy, 2016, 41, 12347-12357.	7.1	22
15	An experimental study on the bubble humidification method of polymer electrolyte membrane fuel cells. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1508-1519.	2.3	19
16	Leak diagnosis of polymer electrolyte membrane fuel cell stacks. International Journal of Hydrogen Energy, 2014, 39, 14980-14992.	7.1	17
17	Robust model for optimization of forming process for metallic bipolar plates of cleaner energy production system. International Journal of Hydrogen Energy, 2018, 43, 341-353.	7.1	13
18	Modeling nonlinear elastic behavior of plasma sprayed ceramics and its evolution with sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4241-4249.	5.6	10

#	Article	IF	Citations
19	Experimental and optimization of material synthesis process parameters for improving capacity of lithium-ion battery. International Journal of Energy Research, 2018, 42, 3400-3409.	4.5	7
20	A novel comprehensive procedure for determination of optimum operating conditions for cleaner energy production system. International Journal of Energy Research, 2018, 42, 3339-3350.	4.5	4
21	Lifetime estimation of heat pipes in space applications using particle filtering, Arrhenius and FIDES methods. Thermal Science and Engineering Progress, 2021, 22, 100847.	2.7	1
22	An Analytical and Experimental Study on Coolant Flow and Temperature Distribution within Pem Fuel Cell Stack. Applied Mechanics and Materials, 0, 390, 301-305.	0.2	0