

Hadi Heidary

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

781
citations

687363

13
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

581
citing authors

#	ARTICLE	IF	CITATIONS
1	Influences of bipolar plate channel blockages on PEM fuel cell performances. Energy Conversion and Management, 2016, 124, 51-60.	9.2	168
2	Effect of nano-particles on forced convection in sinusoidal-wall channel. International Communications in Heat and Mass Transfer, 2010, 37, 1520-1527.	5.6	145
3	Experimental investigation of in-line and staggered blockages in parallel flowfield channels of PEM fuel cells. International Journal of Hydrogen Energy, 2016, 41, 6885-6893.	7.1	93
4	Numerical modelling of in-line and staggered blockages in parallel flowfield channels of PEM fuel cells. International Journal of Hydrogen Energy, 2017, 42, 2265-2277.	7.1	84
5	Numerical study of magnetic field effect on nano-fluid forced convection in a channel. Journal of Magnetism and Magnetic Materials, 2015, 374, 11-17.	2.3	57
6	Enhanced heat transfer with corrugated flow channel in anode side of direct methanol fuel cells. Energy Conversion and Management, 2013, 75, 748-760.	9.2	33
7	Performance enhancement of fuel cells using bipolar plate duct indentations. International Journal of Hydrogen Energy, 2013, 38, 5485-5496.	7.1	32
8	A numerical modeling study on the influence of catalyst loading distribution on the performance of Polymer Electrolyte Membrane Fuel Cell. International Journal of Hydrogen Energy, 2018, 43, 10031-10047.	7.1	31
9	Performance analysis of PEM fuel cells cathode catalyst layer at various operating conditions. International Journal of Hydrogen Energy, 2016, 41, 22274-22284.	7.1	28
10	Numerical study of anode side CO contamination effects on PEM fuel cell performance; and mitigation methods. Energy Conversion and Management, 2018, 177, 519-534.	9.2	27
11	Enhancement of heat exchange in a wavy channel linked to a porous domain; a possible duct geometry for fuel cells. International Communications in Heat and Mass Transfer, 2012, 39, 112-120.	5.6	22
12	Durability and economics investigations on triple stack configuration and its power management strategy for fuel cell vehicles. International Journal of Hydrogen Energy, 2021, 46, 5740-5755.	7.1	21
13	Control of Free Convection and Entropy Generation in Inclined Porous Media. Heat Transfer Engineering, 2012, 33, 565-573.	1.9	19
14	Experimental and Numerical Studies of Enhanced Interdigitated Flow Field for PEM Fuel Cells. Journal of Energy Engineering - ASCE, 2021, 147, .	1.9	12
15	Magnetic field effect on convective heat transfer in corrugated flow channel. Thermal Science, 2017, 21, 2105-2115.	1.1	4
16	Automotive applications of PEM technology. , 2022, , 347-405.		3
17	Free convection and entropy generation in inclined porous cavity under magnetic field. International Journal of Exergy, 2014, 15, 46.	0.4	2