

Mehdi Mortazavi

List of Publications by Year in descending order

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29
papers

487
citations

840585

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794469

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all docs

29
docs citations

29
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the PTFE content in the gas diffusion layer on water transport in polymer electrolyte fuel cells (PEFCs). <i>Journal of Power Sources</i> , 2014, 245, 236-244.	4.0	86
2	Liquid water breakthrough pressure through gas diffusion layer of proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9409-9419.	3.8	74
3	Additively manufactured heat exchangers: a review on opportunities and challenges. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 601-618.	1.5	54
4	Two-phase flow pressure drop in flow channels of proton exchange membrane fuel cells: Review of experimental approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 45, 296-317.	8.2	53
5	Two-phase flow characterization in PEM fuel cells using machine learning. <i>Energy Reports</i> , 2020, 6, 2713-2719.	2.5	32
6	In-Plane Microstructure of Gas Diffusion Layers With Different Properties for PEFC. <i>Journal of Fuel Cell Science and Technology</i> , 2014, 11, .	0.8	30
7	Effect of PEM fuel cell porous media compression on in-plane transport phenomena. <i>Journal of Power Sources Advances</i> , 2020, 1, 100001.	2.6	24
8	Enhanced Water Removal from PEM Fuel Cells Using Acoustic Pressure Waves. <i>Journal of the Electrochemical Society</i> , 2019, 166, F3143-F3153.	1.3	21
9	Design complexity and performance analysis in additively manufactured heat exchangers. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 865-873.	1.5	20
10	Signature analysis of two-phase flow pressure drop in proton exchange membrane fuel cell flow channels. <i>Results in Engineering</i> , 2020, 5, 100071.	2.2	17
11	A Discussion About Two-Phase Flow Pressure Drop in Proton Exchange Membrane Fuel Cells. <i>Heat Transfer Engineering</i> , 2020, 41, 1784-1799.	1.2	11
12	Aqueous Ammonia Wetting of Gas-Diffusion Media for Electrochemical Cells. <i>Journal of the Electrochemical Society</i> , 2020, 167, 104507.	1.3	10
13	Machine Learning Applications of Two-Phase Flow Data in Polymer Electrolyte Fuel Cell Reactant Channels. <i>Journal of the Electrochemical Society</i> , 2021, 168, 054505.	1.3	9
14	Two-phase flow pressure drop in PEM fuel cell flow channel bends. <i>International Journal of Multiphase Flow</i> , 2021, 143, 103759.	1.6	9
15	Experimental Characterization of Additively Manufactured Metallic Heat Exchangers. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2021, 11, 2089-2101.	1.4	7
16	Applications of Artificial Intelligence for Analysis of Two-Phase Flow in PEM Fuel Cell Flow Fields. <i>ECS Transactions</i> , 2020, 98, 279-290.	0.3	7
17	Experimental Characterization of a Manifold-Microchannel Heat Exchanger Fabricated Based on Additive Manufacturing. , 2019, , .		6
18	Modified Manifold-Microchannel Heat Exchangers Fabricated Based on Additive Manufacturing: Experimental Characterization. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Force Scaling Comparison of Transport Phenomena in Proton Exchange Membrane Fuel Cell Flow Channels. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	1.1	4
20	Interaction between Liquid Droplet Growth and Two-Phase Pressure Drop in PEM Fuel Cell Flow Channels. , 0, , .		4
21	Two-Phase Flow Characterization in PEM Fuel Cells Using Machine Learning. ECS Meeting Abstracts, 2019, , .	0.0	3
22	Liquid Transport in Superhydrophobic Walled Minichannels for Polymer-Electrolyte Fuel Cell Flow-Fields. ECS Transactions, 2021, 104, 221-231.	0.3	1
23	A Novel Biomimetic Flapping Fan for Electronics Cooling. , 2019, , .		0
24	Retrofitting a two-phase flow pressure drop model for PEM fuel cell flow channel bends. , 2021, , .		0
25	A comparison between frictional and accelerational components of two-phase flow pressure drop in PEM fuel cell flow channels. , 2021, , .		0
26	Hydrodynamic performance of additively manufactured minichannels. , 2021, , .		0
27	Evaluation of Drainage Phase Diagram for PEM Fuel Cell Porous Layer. , 2021, , .		0
28	Liquid Transport in Superhydrophobic Walled Minichannels for Polymer-Electrolyte Fuel Cell Flow-Fields. ECS Meeting Abstracts, 2021, MA2021-02, 1081-1081.	0.0	0
29	Aqueous Ammonia Wetting & Evaporation on Gas-Diffusion Layers. ECS Meeting Abstracts, 2021, MA2021-02, 1556-1556.	0.0	0