

Mehdi Mortazavi

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

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citations

840585

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794469

19
g-index

29
all docs

29
docs citations

29
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Additively manufactured heat exchangers: a review on opportunities and challenges. International Journal of Advanced Manufacturing Technology, 2021, 112, 601-618.	1.5	54
2	Machine Learning Applications of Two-Phase Flow Data in Polymer Electrolyte Fuel Cell Reactant Channels. Journal of the Electrochemical Society, 2021, 168, 054505.	1.3	9
3	Retrofitting a two-phase flow pressure drop model for PEM fuel cell flow channel bends. , 2021, , .		0
4	A comparison between frictional and accelerational components of two-phase flow pressure drop in PEM fuel cell flow channels. , 2021, , .		0
5	Hydrodynamic performance of additively manufactured minichannels. , 2021, , .		0
6	Evaluation of Drainage Phase Diagram for PEM Fuel Cell Porous Layer. , 2021, , .		0
7	Two-phase flow pressure drop in PEM fuel cell flow channel bends. International Journal of Multiphase Flow, 2021, 143, 103759.	1.6	9
8	Liquid Transport in Superhydrophobic Walled Minichannels for Polymer-Electrolyte Fuel Cell Flow-Fields. ECS Transactions, 2021, 104, 221-231.	0.3	1
9	Experimental Characterization of Additively Manufactured Metallic Heat Exchangers. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 2089-2101.	1.4	7
10	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
11	Liquid Transport in Superhydrophobic Walled Minichannels for Polymer-Electrolyte Fuel Cell Flow-Fields. ECS Meeting Abstracts, 2021, MA2021-02, 1081-1081.	0.0	0
12	Aqueous Ammonia Wetting & Evaporation on Gas-Diffusion Layers. ECS Meeting Abstracts, 2021, MA2021-02, 1556-1556.	0.0	0
13	A Discussion About Two-Phase Flow Pressure Drop in Proton Exchange Membrane Fuel Cells. Heat Transfer Engineering, 2020, 41, 1784-1799.	1.2	11
14	Signature analysis of two-phase flow pressure drop in proton exchange membrane fuel cell flow channels. Results in Engineering, 2020, 5, 100071.	2.2	17
15	Two-phase flow characterization in PEM fuel cells using machine learning. Energy Reports, 2020, 6, 2713-2719.	2.5	32
16	Design complexity and performance analysis in additively manufactured heat exchangers. International Journal of Advanced Manufacturing Technology, 2020, 110, 865-873.	1.5	20
17	Effect of PEM fuel cell porous media compression on in-plane transport phenomena. Journal of Power Sources Advances, 2020, 1, 100001.	2.6	24
18	Aqueous Ammonia Wetting of Gas-Diffusion Media for Electrochemical Cells. Journal of the Electrochemical Society, 2020, 167, 104507.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Applications of Artificial Intelligence for Analysis of Two-Phase Flow in PEM Fuel Cell Flow Fields. ECS Transactions, 2020, 98, 279-290.	0.3	7
20	Experimental Characterization of a Manifold-Microchannel Heat Exchanger Fabricated Based on Additive Manufacturing. , 2019, , .		6
21	A Novel Biomimetic Flapping Fan for Electronics Cooling. , 2019, , .		0
22	Enhanced Water Removal from PEM Fuel Cells Using Acoustic Pressure Waves. Journal of the Electrochemical Society, 2019, 166, F3143-F3153.	1.3	21
23	Modified Manifold-Microchannel Heat Exchangers Fabricated Based on Additive Manufacturing: Experimental Characterization. , 2019, , .		5
24	Two-Phase Flow Characterization in PEM Fuel Cells Using Machine Learning. ECS Meeting Abstracts, 2019, , .	0.0	3
25	Two-phase flow pressure drop in flow channels of proton exchange membrane fuel cells: Review of experimental approaches. Renewable and Sustainable Energy Reviews, 2015, 45, 296-317.	8.2	53
26	In-Plane Microstructure of Gas Diffusion Layers With Different Properties for PEFC. Journal of Fuel Cell Science and Technology, 2014, 11, .	0.8	30
27	Effect of the PTFE content in the gas diffusion layer on water transport in polymer electrolyte fuel cells (PEFCs). Journal of Power Sources, 2014, 245, 236-244.	4.0	86
28	Liquid water breakthrough pressure through gas diffusion layer of proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2014, 39, 9409-9419.	3.8	74
29	Interaction between Liquid Droplet Growth and Two-Phase Pressure Drop in PEM Fuel Cell Flow Channels. , 0, , .		4