

Jiawen Liu

List of Publications by Year in descending order

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papers

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1937685
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#	ARTICLE	IF	CITATIONS
1	Microscopic investigation of multi-transfer characteristics in digitally replicated porous gas transport media with locally variable through-plane porosities of Eulerian formulae for electrochemical applications. <i>Journal of Power Sources</i> , 2022, 530, 231280.	7.8	0
2	Statistical characterization of non-linear microscopic mechanical deformation through randomly oriented fibrous porous transport layers for advanced electrochemical energy systems. <i>Renewable Energy</i> , 2021, 178, 1106-1118.	8.9	4
3	Numerical Development of Concentric Cylinder-Shaped Dual-Functional Catalyst Structure for Enhanced Charge Transport in Polymer Electrolyte Fuel Cells. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000096.	2.8	2
4	Nanoscale morphological investigation into surface coverage of platinum catalysts by ionomers on vertically aligned carbon nanotube fuel cell catalyst layers. <i>Journal of Power Sources</i> , 2020, 455, 227953.	7.8	7
5	Microscale Investigation of the Transport Characteristics in Surface-Treated Gas Diffusion Layers with Gradient Porosities for Fuel Cell Applications. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2108-2108.	0.0	0
6	Nanoscale transport characteristics and catalyst utilization of vertically aligned carbon nanotube catalyst layers for fuel cell applications: Comprehensive stochastic modeling of composite morphological structures. <i>Journal of Catalysis</i> , 2019, 377, 465-479.	6.2	13
7	Interfacial transport characteristics between heterogeneous porous composite media for effective mass transfer in fuel cells. <i>International Journal of Energy Research</i> , 2019, 43, 2990-3005.	4.5	8
8	Comprehensive statistical analysis of heterogeneous transport characteristics in multifunctional porous gas diffusion layers using lattice Boltzmann method for fuel cell applications. <i>Renewable Energy</i> , 2019, 139, 279-291.	8.9	21
9	Structural Effects of Non-Uniform Deformation of Porous-Streaming Paths on Transport Phenomena and Electrochemical Reactions in Polymer Electrolyte Fuel Cells. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0