

Liusheng Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

209
citations

1163117

8
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure reconstruction using fiber tracking technique and pore-scale simulations of heterogeneous gas diffusion layer. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 20218-20231.	7.1	7
2	Experimental validation of pore-scale models for gas diffusion layers. <i>Journal of Power Sources</i> , 2022, 536, 231515.	7.8	10
3	High-density and low-density gas diffusion layers for proton exchange membrane fuel cells: Comparison of mechanical and transport properties. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 22532-22544.	7.1	5
4	A multiscale study on the effect of compression on lithium-ion battery separators. <i>Journal of Energy Storage</i> , 2022, 54, 105255.	8.1	7
5	Stochastically Modeled Gas Diffusion Layers: Effects of Binder and Polytetrafluoroethylene on Effective Gas Diffusivity. <i>Journal of the Electrochemical Society</i> , 2021, 168, 014514.	2.9	19
6	Multiphase and Pore Scale Modeling on Catalyst Layer of High-Temperature Polymer Electrolyte Membrane Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2021, 168, 054521.	2.9	8
7	Pore-scale modeling of gas diffusion layers: Effects of compression on transport properties. <i>Journal of Power Sources</i> , 2021, 496, 229822.	7.8	44
8	Mesoscopic modeling and characterization of the porous electrodes for vanadium redox flow batteries. <i>Journal of Energy Storage</i> , 2020, 32, 101782.	8.1	15
9	Synchrotron X-ray Radiography and Tomography of Vanadium Redox Flow Batteries' Cell Design, Electrolyte Flow Geometry, and Gas Bubble Formation. <i>ChemSusChem</i> , 2020, 13, 3154-3165.	6.8	24
10	Pore-Scale Characterization and Simulation of Porous Electrode Material for Vanadium Redox Flow Battery: Effects of Compression on Transport Properties. <i>Journal of the Electrochemical Society</i> , 2020, 167, 110545.	2.9	13
11	Coupled stress-strain and transport in proton exchange membrane fuel cell with metallic bipolar plates. <i>Applied Energy</i> , 2019, 251, 113316.	10.1	33
12	Solid Mechanics Simulation of Reconstructed Gas Diffusion Layers for PEMFCs. <i>Journal of the Electrochemical Society</i> , 2019, 166, F377-F385.	2.9	24