Liusheng Xiao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5076975/publications.pdf

Version: 2024-02-01

12	209	1163117 8	1199594 12
papers	citations	h-index	g-index

13	13	13	93
all docs	docs citations	times ranked	citing authors

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