Lijun Zhu

List of Publications by Year
in descending order

10	183	1163117 8	1372567 10
papers	citations	h-index	g-index

10	10	10	57
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructure reconstruction of the gas diffusion layer and analyses of the anisotropic transport properties. Energy Conversion and Management, 2021, 241, 114293.	9.2	45
2	Pore-scale modeling of gas diffusion layers: Effects of compression on transport properties. Journal of Power Sources, 2021, 496, 229822.	7.8	44
3	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
4	Multiscale modeling of an angled gas diffusion layer for polymer electrolyte membrane fuel cells: Performance enhancing for aviation applications. International Journal of Hydrogen Energy, 2021, 46, 20702-20714.	7.1	17
5	Mesoscopic modeling and characterization of the porous electrodes for vanadium redox flow batteries. Journal of Energy Storage, 2020, 32, 101782.	8.1	15
6	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
7	Experimental validation of pore-scale models for gas diffusion layers. Journal of Power Sources, 2022, 536, 231515.	7.8	10
8	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
9	A multiscale study on the effect of compression on lithium-ion battery separators. Journal of Energy Storage, 2022, 54, 105255.	8.1	7
10	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