Che-Wun Hong

List of Publications by Year
in descending order

17 papers	140 citations	1307594 7 h-index	1199594 12 g-index
18 all docs	18 docs citations	18 times ranked	151 citing authors

#	Article	IF	Citations
1	All-angle removal of CO2 bubbles from the anode microchannels of a micro fuel cell by lattice-Boltzmann simulation. Microfluidics and Nanofluidics, 2006, 3, 77-88.	2.2	26
2	Microfluidic analysis of CO2 bubble dynamics using thermal lattice-Boltzmann method. Microfluidics and Nanofluidics, 2008, 5, 119-129.	2.2	26
3	Multiscale Parametric Studies on the Transport Phenomenon of a Solid Oxide Fuel Cell. Journal of Fuel Cell Science and Technology, 2005, 2, 219-225.	0.8	21
4	Molecular dynamics prediction of nanofluidic contact angle offset by an AFM. Microfluidics and Nanofluidics, 2008, 4, 321-330.	2.2	16
5	Investigation of Atomistic Scale Transport Phenomena of the Proton Exchange Membrane Fuel Cell. Journal of Fuel Cell Science and Technology, 2007, 4, 474-480.	0.8	9
6	Lattice Boltzmann Simulations of CO2 Bubble Dynamics at the Anode of a ¼DMFC. Journal of Fuel Cell Science and Technology, 2006, 3, 180-187.	0.8	8
7	Improved Metaheuristic Optimization Algorithm Applied to Hydrogen Fuel Cell and Photovoltaic Cell Parameter Extraction. Energies, 2021, 14, 619.	3.1	8
8	DFT calculation in design of near-infrared absorbing nitrogen-doped graphene quantum dots. Physical Chemistry Chemical Physics, 2022, 24, 1580-1589.	2.8	6
9	The origins of charge separation in anisotropic facet photocatalysts investigated through first-principles calculations. RSC Advances, 2021, 11, 18500-18508.	3.6	5
10	Nanoscale Transport Dynamics inside a Hydrated Nafion Membrane with Electric Field Effects. Fuel Cells, 2010, 10, 17-25.	2.4	4
11	Magnetic Field Effect on the Hydronium Diffusivity at an Enzymatic Biofuel Cell Anode via Atomistic Analysis. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	3
12	DYNAMIC MODELING AND EXPERIMENTAL VERIFICATION ROAD VEHICLE DRIVING. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 1997, 20, 303-314.	1.1	2
13	First-principles computation of electron transfer and reaction rate at a perovskite cathode for hydrogen production. Physical Chemistry Chemical Physics, 2017, 19, 8300-8306.	2.8	2
14	NUMERICAL COMPUTATION OF UNSTEADY GAS FLOW IN THE DUCTS OF RECIPROCATING ENGINES. Numerical Heat Transfer; Part A: Applications, 1997, 32, 769-785.	2.1	1
15	On the study of energy-based control strategy for a lithium battery/supercapacitor hybrid energy storage system. , 2010, , .		1
16	An element-oriented model simplification algorithm based on dynamic similarity. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 56-69.	1.0	1
17	Molecular simulation of chlorophyll-a derivatives for biological pigment solar cells. Molecular Simulation, 2018, 44, 1237-1243.	2.0	1