

# Che-Wun Hong

## List of Publications by Year in descending order

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Version: 2024-02-01

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