

# Zunlong Jin

## List of Publications by Year in descending order

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23  
papers

341  
citations

1040056

9  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Storing solar energy within Ag-Paraffin@Halloysite microspheres as a novel self-heating catalyst. Applied Energy, 2018, 222, 180-188.	10.1	86
2	Energy harvesting from flow-induced vibration: a lumped parameter model. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 2903-2913.	2.3	42
3	The electrolyte materials for SOFCs of low-intermediate temperature: Review. Materials Science and Technology, 2019, 35, 1551-1562.	1.6	35
4	Characteristics of heat transfer for tube banks in crossflow and its relation with that in shell-and-tube heat exchangers. International Journal of Heat and Mass Transfer, 2016, 93, 584-594.	4.8	34
5	Thermal conductivity of PTFE composites filled with graphite particles and carbon fibers. Computational Materials Science, 2015, 102, 45-50.	3.0	27
6	Alternative preparation methods of thin films for solid oxide fuel cells: review. Materials Technology, 2020, 35, 212-227.	3.0	18
7	Design, Modeling, and Experiments of the Vortex-Induced Vibration Piezoelectric Energy Harvester with Bionic Attachments. Complexity, 2019, 2019, 1-13.	1.6	12
8	Numerical simulation of the mass transfer process of $\text{CO}_2$ absorption by different solutions in a microchannel. Canadian Journal of Chemical Engineering, 2020, 98, 2648-2664.	1.7	12
9	Numerical simulation study on operation characteristics of PEMFC in low temperature environment. Journal of Renewable and Sustainable Energy, 2021, 13, .	2.0	12
10	Effects of Gas Diffusion Layer Porosity Distribution on Proton Exchange Membrane Fuel Cell. Energy Technology, 2021, 9, 2001012.	3.8	12
11	Lattice Boltzmann simulations of droplet dynamics in two-phase separation with temperature field. Physics of Fluids, 2020, 32, .	4.0	10
12	Heat exchanger network synthesis based on environmental impact minimization. Clean Technologies and Environmental Policy, 2014, 16, 183-187.	4.1	8
13	Numerical Analysis of the Influence of Different Flow Patterns on Power and Reactant Transmission in Tubular-Shaped PEMFC. Energies, 2021, 14, 2127.	3.1	8
14	Exergy Study of Fouling Factors in Heat Exchanger Networks. Journal of Heat Transfer, 2010, 132, .	2.1	6
15	Three-Dimensional Structure Research of Anode-Supported Planar Solid Oxide Fuel Cells. Journal of Energy Engineering - ASCE, 2022, 148, .	1.9	5
16	Laminar Flow and Heat Transfer in a Rectangular Channel with Walls Corrugated in the Orthogonal Directions. Chemical Engineering and Technology, 2016, 39, 551-558.	1.5	3
17	Three-Dimensional Modeling of Anode-Supported Planar SOFC with Corrugated Electrolyte. Journal of the Electrochemical Society, 2021, 168, 104501.	2.9	3
18	Numerical Investigation of Fluid Dispersive Property and its Effect on Heat Transfer in a Chaotic Channel. Heat Transfer Engineering, 2017, 38, 1355-1366.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Investigation of Hydrodynamic and Heat Transfer Characteristics of Gas-liquid Taylor flow in Square Microchannel. International Journal of Chemical Reactor Engineering, 2020, 18, .	1.1	2
20	Effect of flow modes on operation characteristics of three-dimensional non-isothermal solid oxide fuel cell stack. International Journal of Energy Research, 0, , .	4.5	2
21	Planning the optimum cleaning schedule based on simulation of heat exchangers under fouling. Heat Transfer - Asian Research, 2012, 41, 33-42.	2.8	1
22	Coupling analysis of contra-rotating fan interstage pressure pulsation and blade vibration based on wavelet reconstruction. PLoS ONE, 2021, 16, e0245985.	2.5	1
23	Molecular dynamics simulation of the key characteristics of the supercritical CO <sub>2</sub> -pentaerythritol tetraacetate system. Russian Journal of Physical Chemistry A, 2016, 90, 2418-2425.	0.6	0