Hui Wang

List of Publications by Year
in descending order

16 papers	**523** citations	840776 **11** h-index	996975 **15** g-index
16 all docs	**16** docs citations	**16** times ranked	**456** citing authors

#	Article	IF	Citations
1	Structural optimization of double-layer capillary wick in a cryogenic loop heat pipe system via genetic algorithm. International Communications in Heat and Mass Transfer, 2022, 131, 105868.	5.6	6
2	Experimental study of the thermal storage and mechanical properties of microencapsulated phase change composites during a supersonic cruise. RSC Advances, 2022, 12, 6114-6121.	3.6	0
3	Prediction of the effective thermal conductivity of an adsorption bed packed with 5A zeolite particles under working conditions. International Journal of Thermal Sciences, 2021, 159, 106630.	4.9	19
4	High-Throughput Screening of Metal-Organic Frameworks for the Impure Hydrogen Storage Supplying to a Fuel Cell Vehicle. Transport in Porous Media, 2021, 140, 727-742.	2.6	3
5	Three-dimensional pore-scale study of the directional heat transfer in a high thermal conductivity carbon/carbon composite protection system. Aerospace Science and Technology, 2021, 112, 106609.	4.8	15
6	Multi-object aerodynamic design optimization using deep reinforcement learning. AIP Advances, 2021, 11, .	1.3	12
7	Deep learning based multistage method for inverse design of supercritical airfoil. Aerospace Science and Technology, 2021, 119, 107101.	4.8	18
8	Thermal Management for Hydrogen Charging and Discharging in a Screened Metal–Organic Framework Particle Tank. ACS Applied Materials & Interfaces, 2021, 13, 61838-61848.	8.0	21
9	Fast pressure distribution prediction of airfoils using deep learning. Aerospace Science and Technology, 2020, 105, 105949.	4.8	87
10	Screening Study of the Effects of Impurity Gases on Hydrogen Storage in Metal-Organic Frameworks. Journal of Energy Engineering - ASCE, 2020, 146, 04020065.	1.9	3
11	Multi-factor study of the effects of a trace amount of water vapor on low concentration CO_2 capture by 5A zeolite particles. RSC Advances, 2020, 10, 6503-6511.	3.6	12
12	Modeling of multi-scale transport phenomena in shale gas production â€" A critical review. Applied Energy, 2020, 262, 114575.	10.1	161
13	Review of Molecular Simulation Method for Gas Adsorption/desorption and Diffusion in Shale Matrix. Journal of Thermal Science, 2019, 28, 1-16.	1.9	92
14	Coupled GCMC and LBM simulation method for visualizations of CO2/CH4 gas separation through Cu-BTC membranes. Journal of Membrane Science, 2018, 550, 448-461.	8.2	26
15	Combined grand canonical Monte Carlo and finite volume method simulation method for investigation of direct air capture of low concentration CO2 by 5A zeolite adsorbent bed. International Journal of Heat and Mass Transfer, 2018, 126, 1219-1235.	4.8	18
16	Experimental and numerical study of CO 2 adsorption on copper benzene-1,3,5-tricarboxylate (Cu-BTC) metal organic framework. International Journal of Heat and Mass Transfer, 2016, 92, 859-863.	4.8	30