

Shanshan Wang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

191
citations

1163117

8
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Simulation Study of the Adsorption and Diffusion of a Mixture of CO ₂ /CH ₄ in Activated Carbon: Effect of Textural Properties and Surface Chemistry. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 4139-4147.	1.9	40
2	Comparison of Product Carbon Footprint Protocols: Case Study on Medium-Density Fiberboard in China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2060.	2.6	20
3	A mini-review on the modeling of volatile organic compound adsorption in activated carbons: Equilibrium, dynamics, and heat effects. <i>Chinese Journal of Chemical Engineering</i> , 2021, 31, 153-163.	3.5	20
4	Molecular dynamics simulations on the water flux in different two-dimension materials. <i>Molecular Simulation</i> , 2020, 46, 689-698.	2.0	16
5	A computational study of water in UiO-66 Zr-MOFs: Diffusion, hydrogen bonding network, and confinement effect. <i>AIChE Journal</i> , 2021, 67, e17035.	3.6	16
6	Acetone adsorption on activated carbons: Roles of functional groups and humidity. <i>Fluid Phase Equilibria</i> , 2020, 521, 112645.	2.5	15
7	Atomistic Insights into the Layered Microstructure and Time-Dependent Stability of [BMIM][PF ₆] Confined within the Meso-Slit of Carbon. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6857-6869.	2.6	12
8	A Computational Study of Isopropyl Alcohol Adsorption and Diffusion in UiO-66 Metal-Organic Framework: The Role of Missing Linker Defect. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3690-3699.	2.6	9
9	Contributions of China's Wood-Based Panels to CO ₂ Emission and Removal Implied by the Energy Consumption Standards. <i>Forests</i> , 2017, 8, 273.	2.1	8
10	Computational screening carbon-based adsorbents for CH ₄ delivery capacity. <i>Fluid Phase Equilibria</i> , 2019, 494, 184-191.	2.5	8
11	Adsorption of N-Butane/I-Butane in Zeolites: Simulation and Theory Study. <i>Separation Science and Technology</i> , 2014, 49, 1215-1226.	2.5	6
12	From carbon neutral to climate neutral: Dynamic life cycle assessment for wood-based panels produced in China. <i>Journal of Industrial Ecology</i> , 0, , .	5.5	5
13	Adsorption of binary CO ₂ /CH ₄ mixtures using carbon nanotubes: Effects of confinement and surface functionalization. <i>Separation Science and Technology</i> , 2016, 51, 1079-1092.	2.5	4
14	Biomethane storage in activated carbons: a grand canonical Monte Carlo simulation study. <i>Molecular Simulation</i> , 2017, 43, 1142-1152.	2.0	3
15	Energy-consumption analysis of carbon-based material for CO ₂ capture process. <i>Fluid Phase Equilibria</i> , 2020, 510, 112504.	2.5	3
16	The effect of surface wrinkles on the properties of water in graphene slit pores. <i>Molecular Simulation</i> , 2020, 46, 604-615.	2.0	3
17	Mass Transfer Behavior of Methane in Porous Carbon Materials. <i>AIChE Journal</i> , 0, , e17521.	3.6	3
18	Biogas upgrading using single-walled carbon nanotubes by molecular simulation. <i>Molecular Simulation</i> , 2017, 43, 1034-1044.	2.0	0