

Zhilu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

118
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

105
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidation of adsorption cooling characteristics of Zr-MOFs: Effects of structure property and working fluids. <i>Chemical Engineering Science</i> , 2019, 204, 48-58.	3.8	26
2	Metal-Organic Frameworks for Ammonia-Based Thermal Energy Storage. <i>Small</i> , 2021, 17, e2102689.	10.0	16
3	The potential use of metal-organic framework/ammonia working pairs in adsorption chillers. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6188-6195.	10.3	16
4	Adsorption characteristics and cooling/heating performance of COF-5. <i>Applied Thermal Engineering</i> , 2020, 176, 115442.	6.0	15
5	Research Progress of High-throughput Computational Screening of Metal-Organic Frameworks. <i>Acta Chimica Sinica</i> , 2019, 77, 323.	1.4	13
6	Screening adsorbent-water adsorption heat pumps based on an experimental water adsorption isotherm database. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1075-1084.	4.9	12
7	Computational screening of metal-organic frameworks for ammonia capture from humid air. <i>Microporous and Mesoporous Materials</i> , 2022, 331, 111659.	4.4	7
8	The optimal step locations for high-performance adsorption heat pumps under various working conditions. <i>Thermal Science and Engineering Progress</i> , 2021, 25, 101033.	2.7	6
9	Large-scale cascade cooling performance evaluation of adsorbent/water working pairs by integrated mathematical modelling and machine learning. <i>Journal of Materials Chemistry A</i> , 0, , .	10.3	4
10	Screening versatile water/adsorbent working pairs for wide operating conditions of adsorption heat pumps. <i>Sustainable Energy and Fuels</i> , 2022, 6, 309-319.	4.9	3