

Yaling Yan

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

586
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	In silico screening of 4764 computation-ready, experimental metal-organic frameworks for CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2105-2114.	10.3	109
2	High-throughput computational screening of 137953 metal-organic frameworks for membrane separation of a CO ₂ /N ₂ /CH ₄ mixture. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15904-15912.	10.3	99
3	Computational screening of hydrophobic metal-organic frameworks for the separation of H ₂ S and CO ₂ from natural gas. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18898-18905.	10.3	84
4	Machine-learning-assisted high-throughput computational screening of high performance metal-organic frameworks. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 725-742.	3.4	74
5	High-throughput computational screening of metal-organic framework membranes for upgrading of natural gas. <i>Journal of Membrane Science</i> , 2018, 551, 47-54.	8.2	73
6	Machine learning and in-silico screening of metal-organic frameworks for O ₂ /N ₂ dynamic adsorption and separation. <i>Chemical Engineering Journal</i> , 2022, 427, 131604.	12.7	42
7	High-Throughput Computational Screening of Metal-Organic Frameworks for Thiol Capture. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22208-22215.	3.1	38
8	Machine learning and high-throughput computational screening of hydrophobic metal-organic frameworks for capture of formaldehyde from air. <i>Green Energy and Environment</i> , 2021, 6, 759-770.	8.7	35
9	Machine Learning and High-throughput Computational Screening of Metal-organic Framework for Separation of Methane/ethane/propane. <i>Acta Chimica Sinica</i> , 2020, 78, 427.	1.4	14
10	High-Throughput Screening of Metal-Organic Frameworks for the Separation of Hydrogen Sulfide and Carbon Dioxide from Natural Gas. <i>Acta Chimica Sinica</i> , 2018, 76, 785.	1.4	13
11	Large-Scale Screening and Machine Learning for Metal-Organic Framework Membranes to Capture CO ₂ from Flue Gas. <i>Membranes</i> , 2022, 12, 700.	3.0	5