

Cigdem Altintas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8215286/publications.pdf>

Version: 2024-02-01

23
papers

1,332
citations

471509

17
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1023
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing CH ₄ /N ₂ separation potential of MOFs, COFs, IL/MOF, MOF/Polymer, and COF/Polymer composites. <i>Chemical Engineering Journal</i> , 2022, 428, 131239.	12.7	89
2	Multi-scale computational screening to accelerate discovery of IL/COF composites for CO ₂ /N ₂ separation. <i>Separation and Purification Technology</i> , 2022, 287, 120578.	7.9	12
3	MOF adsorbents for flue gas separation: Comparison of material ranking approaches. <i>Chemical Engineering Research and Design</i> , 2022, 179, 308-318.	5.6	11
4	High-Throughput Screening of COF Membranes and COF/Polymer MMMs for Helium Separation and Hydrogen Purification. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 21738-21749.	8.0	38
5	Effect of Metal-Organic Framework (MOF) Database Selection on the Assessment of Gas Storage and Separation Potentials of MOFs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7828-7837.	13.8	164
6	Effect of Metal-Organic Framework (MOF) Database Selection on the Assessment of Gas Storage and Separation Potentials of MOFs. <i>Angewandte Chemie</i> , 2021, 133, 7907-7916.	2.0	20
7	Machine Learning Meets with Metal Organic Frameworks for Gas Storage and Separation. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2131-2146.	5.4	97
8	Metal Exchange Boosts the CO ₂ Selectivity of Metal Organic Frameworks Having Zn-Oxide Nodes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17311-17322.	3.1	3
9	Oxalamide-Functionalized Metal Organic Frameworks for CO ₂ Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33188-33198.	8.0	35
10	Enhanced water stability and high CO ₂ storage capacity of a Lewis basic sites-containing zirconium metal-organic framework. <i>Dalton Transactions</i> , 2021, 50, 16587-16592.	3.3	8
11	Can COFs replace MOFs in flue gas separation? high-throughput computational screening of COFs for CO ₂ /N ₂ separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14609-14623.	10.3	69
12	Computational Selection of High-Performing Covalent Organic Frameworks for Adsorption and Membrane-Based CO ₂ /H ₂ Separation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22577-22590.	3.1	36
13	Role of partial charge assignment methods in high-throughput screening of MOF adsorbents and membranes for CO ₂ /CH ₄ separation. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 532-543.	3.4	31
14	An extensive comparative analysis of two MOF databases: high-throughput screening of computation-ready MOFs for CH ₄ and H ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9593-9608.	10.3	87
15	Reply to Comment on "Database for CO ₂ Separation Performances of MOFs Based on Computational Materials Screening" <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16266-16271.	8.0	4
16	Molecular Simulations of MOF Membranes and Performance Predictions of MOF/Polymer Mixed Matrix Membranes for CO ₂ /CH ₄ Separations. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2739-2750.	6.7	69
17	High-Throughput Computational Screening of the Metal Organic Framework Database for CH ₄ /H ₂ Separations. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3668-3679.	8.0	108
18	Database for CO ₂ Separation Performances of MOFs Based on Computational Materials Screening. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17257-17268.	8.0	129

#	ARTICLE	IF	CITATIONS
19	Computer simulations of 4240 MOF membranes for H ₂ /CH ₄ separations: insights into structure–performance relations. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5836-5847.	10.3	56
20	Improving Gas Separation Performance of ZIF-8 by [BMIM][BF ₄] Incorporation: Interactions and Their Consequences on Performance. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10370-10381.	3.1	101
21	Molecular simulations of MOF membranes for separation of ethane/ethene and ethane/methane mixtures. <i>RSC Advances</i> , 2017, 7, 52283-52295.	3.6	25
22	[BMIM][PF ₆] Incorporation Doubles CO ₂ Selectivity of ZIF-8: Elucidation of Interactions and Their Consequences on Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30992-31005.	8.0	131
23	Molecular simulations of porous coordination network-based mixed matrix membranes for CO ₂ /N ₂ separations. <i>Molecular Simulation</i> , 2015, 41, 1396-1408.	2.0	9