

H Mert Polat

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

265
citations

1040056

9
h-index

1372567

10
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all docs

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docs citations

10
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ separation from flue gas mixture using [BMIM][BF ₄]/MOF composites: Linking high-throughput computational screening with experiments. <i>Chemical Engineering Journal</i> , 2020, 394, 124916.	12.7	46
2	MIL-53(Al) as a Versatile Platform for Ionic Liquid/MOF Composites to Enhance CO ₂ Selectivity over CH ₄ and N ₂ . <i>Chemistry - an Asian Journal</i> , 2019, 14, 3655-3667.	3.3	44
3	Unlocking CO ₂ separation performance of ionic liquid/CuBTC composites: Combining experiments with molecular simulations. <i>Chemical Engineering Journal</i> , 2019, 373, 1179-1189.	12.7	44
4	Fast and Selective Adsorption of Methylene Blue from Water Using [BMIM][PF ₆]-Incorporated UiO-66 and NH ₂ -UiO-66. <i>Crystal Growth and Design</i> , 2020, 20, 3590-3595.	3.0	33
5	Improving CO ₂ Separation Performance of MIL-53(Al) by Incorporating 1-butyl-3-methylimidazolium Methyl Sulfate. <i>Energy Technology</i> , 2019, 7, 1900157.	3.8	26
6	Influence of anion size and electronic structure on the gas separation performance of ionic liquid/ZIF-8 composites. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110446.	4.4	20
7	Vapor pressures and vapor phase compositions of choline chloride urea and choline chloride ethylene glycol deep eutectic solvents from molecular simulation. <i>Journal of Chemical Physics</i> , 2021, 155, 114504.	3.0	16
8	Enhanced Water Purification Performance of Ionic Liquid Impregnated Metal-Organic Framework: Dye Removal by [BMIM][PF ₆]/MIL-53(Al) Composite. <i>Frontiers in Chemistry</i> , 2020, 8, 622567.	3.6	14
9	New Features of the Open Source Monte Carlo Software Brick-CFCMC: Thermodynamic Integration and Hybrid Trial Moves. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 3752-3757.	5.4	14
10	Towards complete elucidation of structural factors controlling thermal stability of IL/MOF composites: effects of ligand functionalization on MOFs. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 484001.	1.8	8