

# Muhammad Zeeshan

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

444  
citations

759233

12  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composites of porous materials with ionic liquids: Synthesis, characterization, applications, and beyond. <i>Microporous and Mesoporous Materials</i> , 2022, 332, 111703.	4.4	30
2	[BMIM][OAc] coating layer makes activated carbon almost completely selective for CO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2022, 437, 135436.	12.7	14
3	A novel IL/MOF/polymer mixed matrix membrane having superior CO <sub>2</sub> /N <sub>2</sub> selectivity. <i>Journal of Membrane Science</i> , 2022, 658, 120712.	8.2	32
4	An Integrated Computationalâ€“Experimental Hierarchical Approach for the Rational Design of an IL/UiOâ€“66 Composite Offering Infinite CO <sub>2</sub> Selectivity. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	16
5	A new class of porous materials for efficient CO <sub>2</sub> separation: Ionic liquid/graphene aerogel composites. <i>Carbon</i> , 2021, 171, 79-87.	10.3	34
6	Doubling CO <sub>2</sub> /N <sub>2</sub> separation performance of CuBTC by incorporation of 1-n-ethyl-3-methylimidazolium diethyl phosphate. <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110947.	4.4	19
7	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
8	Structural Factors Determining Thermal Stability Limits of Ionic Liquid/MOF Composites: Imidazolium Ionic Liquids Combined with CuBTC and ZIF-8. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 14124-14138.	3.7	40
9	Unlocking CO <sub>2</sub> separation performance of ionic liquid/CuBTC composites: Combining experiments with molecular simulations. <i>Chemical Engineering Journal</i> , 2019, 373, 1179-1189.	12.7	44
10	Effect of methylation of ionic liquids on the gas separation performance of ionic liquid/metalâ€“organic framework composites. <i>CrystEngComm</i> , 2018, 20, 7137-7143.	2.6	25
11	Enhancing CO <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /N <sub>2</sub> separation performances of ZIF-8 by post-synthesis modification with [BMIM][SCN]. <i>Polyhedron</i> , 2018, 155, 485-492.	2.2	50
12	Coreâ€“Shell Type Ionic Liquid/Metal Organic Framework Composite: An Exceptionally High CO <sub>2</sub> /CH <sub>4</sub> Selectivity. <i>Journal of the American Chemical Society</i> , 2018, 140, 10113-10116.	13.7	120