

Mohammad I Hossain

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

11
papers

130
citations

7
h-index

11
g-index

11
ext. papers

197
ext. citations

5
avg, IF

3.14
L-index

#	Paper	IF	Citations
11	Impact of MOF defects on the binary adsorption of CO ₂ and water in UiO-66. <i>Chemical Engineering Science</i> , 2019 , 203, 346-357	4.4	46
10	Kinetics of Water Adsorption in UiO-66 MOF. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10550-10558	3.9	18
9	Carbon Dioxide Capture Chemistry of Amino Acid Functionalized Metal-Organic Frameworks in Humid Flue Gas.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	15
8	Membrane-Coated UiO-66 MOF Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1352-1362	3.9	11
7	New Pressure Swing Adsorption Cycle Schedules for Producing High-Purity Oxygen Using Carbon Molecular Sieve. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10758-10770	3.9	11
6	Superhydrophobic Functionalization of Cotton Fabric via Reactive Dye Chemistry and a Thiol-ene Click Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22534-22540	3.9	8
5	Mass Transfer Mechanisms and Rates of CO ₂ and N ₂ in 13X Zeolite from Volumetric Frequency Response. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21679-21690	3.9	8
4	110th Anniversary: New Volumetric Frequency Response System for Determining Mass Transfer Mechanisms in Microporous Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 17462-17474	3.9	54
3	New linear driving force correlation spanning long and short cycle time pressure swing adsorption processes. <i>Adsorption</i> , 2016 , 22, 939-950	2.6	4
2	Water Bridges Substitute for Defects in Amine-Functionalized UiO-66, Boosting CO Adsorption. <i>Langmuir</i> , 2021 , 37, 10439-10449	4	3
1	Steric and Electronic Effects on the Interaction of Xe and Kr with Functionalized Zirconia Metal-Organic Frameworks 2021 , 3, 504-510		1