

# Mohammad I Hossain

## List of Publications by Year in Descending Order

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