

T Grant Glover

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.

21
papers

3,157
citations

15
h-index

21
g-index

21
ext. papers

3,567
ext. citations

6.8
avg, IF

5.15
L-index

#	Paper	IF	Citations
21	Highly efficient separation of carbon dioxide by a metal-organic framework replete with open metal sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20637-40	11.5	950
20	Exceptional ammonia uptake by a covalent organic framework. <i>Nature Chemistry</i> , 2010 , 2, 235-8	17.6	675
19	Stability and degradation mechanisms of metal-organic frameworks containing the Zr ₆ O ₄ (OH) ₄ secondary building unit. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5642	13	469
18	MOF-74 building unit has a direct impact on toxic gas adsorption. <i>Chemical Engineering Science</i> , 2011 , 66, 163-170	4.4	438
17	Rapid Cycling and Exceptional Yield in a Metal-Organic Framework Water Harvester. <i>ACS Central Science</i> , 2019 , 5, 1699-1706	16.8	150
16	Effects of pelletization pressure on the physical and chemical properties of the metal-organic frameworks Cu ₃ (BTC) ₂ and UiO-66. <i>Microporous and Mesoporous Materials</i> , 2013 , 179, 48-53	5.3	115
15	Carbon-silica composite adsorbent: Characterization and adsorption of light gases. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 1-11	5.3	52
14	Porous Solids Impregnated with Task-Specific Ionic Liquids as Composite Sorbents. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20681-20697	3.8	48
13	Synthesis and Characterization of UiO-66-NH ₂ Metal-Organic Framework Cotton Composite Textiles. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9151-9161	3.9	47
12	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
11	Adsorption of ammonia by sulfuric acid treated zirconium hydroxide. <i>Langmuir</i> , 2012 , 28, 10478-87	4	36
10	Modification of Fibers with Nanostructures Using Reactive Dye Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3821-3827	3.9	29
9	Sorption of Ammonia in Mesoporous-Silica Ionic Liquid Composites. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 12191-12204	3.9	24
8	Kinetics of Water Adsorption in UiO-66 MOF. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10550-10558	3.9	18
7	Diffusion of condensable vapors in single adsorbent particles measured via concentration-swing frequency response. <i>Langmuir</i> , 2008 , 24, 13406-13	4	16
6	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
5	Membrane-Coated UiO-66 MOF Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 1352-1362	3.9	11

4	Superhydrophobic Functionalization of Cotton Fabric via Reactive Dye Chemistry and a Thiolene Click Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22534-22540	3.9	8
3	Ionic Liquid Welding of the UiO-66-NH ₂ MOF to Cotton Textiles. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 19285-19298	3.9	6
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