

# Mitchell R Armstrong

## List of Publications by Year in descending order

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11  
papers

310  
citations

1040056

9  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle size studies to reveal crystallization mechanisms of the metal organic framework HKUST-1 during sonochemical synthesis. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 365-370.	8.2	52
2	UiO-66 MOF and Poly(vinyl cinnamate) Nanofiber Composite Membranes Synthesized by a Facile Three-Stage Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12386-12392.	3.7	49
3	Influences of Deprotonation and Modulation on Nucleation and Growth of UiO-66: Intergrowth and Orientation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2200-2206.	3.1	47
4	Investigation of Missing-Cluster Defects in UiO-66 and Ferrocene Deposition into Defect-Induced Cavities. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 14233-14241.	3.7	44
5	Nanofiber-based Matrimid organogel membranes for battery separator. <i>Journal of Membrane Science</i> , 2018, 546, 158-164.	8.2	29
6	Adsorption and diffusion of carbon dioxide on the metal-organic framework CuBTB. <i>Chemical Engineering Science</i> , 2017, 167, 10-17.	3.8	23
7	Hierarchical Pore Structures and High ZIF-8 Loading on Matrimid Electrospun Fibers by Additive Removal from a Blended Polymer Precursor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 9944-9951.	3.7	21
8	A cobalt metal-organic framework with small pore size for adsorptive separation of CO <sub>2</sub> over N <sub>2</sub> and CH <sub>4</sub> . <i>AIChE Journal</i> , 2017, 63, 4532-4540.	3.6	21
9	Microscopy Study of Morphology of Electrospun Fiber-MOF Composites with Secondary Growth. <i>MRS Advances</i> , 2017, 2, 2457-2463.	0.9	12
10	Composite MOF mixture as volatile organic compound sensor – A new approach to LMOF sensors. <i>Materials Letters</i> , 2017, 190, 33-36.	2.6	7
11	Core-shell adsorbents by electrospun MOF-polymer composites with improved adsorption properties: Theory and experiments. <i>AIChE Journal</i> , 2020, 66, e16816.	3.6	5