Joshua A Thompson

List of Publications by Year
in descending order

15	969	840776 11	996975 15
papers	citations	h-index	g-index

15	15	15	1450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Zeolitic Imidazolate Frameworks: Controlling Framework Porosity and Functionality by Mixed-Linker Synthesis. Chemistry of Materials, 2012, 24, 1930-1936.	6.7	200
2	Sonication-induced Ostwald ripening of ZIF-8 nanoparticles and formation of ZIF-8/polymer composite membranes. Microporous and Mesoporous Materials, 2012, 158, 292-299.	4.4	171
3	Tunable CO₂ Adsorbents by Mixed-Linker Synthesis and Postsynthetic Modification of Zeolitic Imidazolate Frameworks. Journal of Physical Chemistry C, 2013, 117, 8198-8207.	3.1	123
4	Ethanol and water adsorption in methanol-derived ZIF-71. Chemical Communications, 2011, 47, 8667.	4.1	97
5	Mixed-linker zeolitic imidazolate framework mixed-matrix membranes for aggressive CO2 separation from natural gas. Microporous and Mesoporous Materials, 2014, 192, 43-51.	4.4	95
6	A high-flux polyimide hollow fiber membrane to minimize footprint and energy penalty for CO2 recovery from flue gas. Journal of Membrane Science, 2012, 423-424, 302-313.	8.2	67
7	High-throughput computational screening of nanoporous adsorbents for CO₂ capture from natural gas. Molecular Systems Design and Engineering, 2016, 1, 175-188.	3.4	54
8	Solvothermal deposition and characterization of magnesium hydroxide nanostructures on zeolite crystals. Microporous and Mesoporous Materials, 2011, 139, 120-129.	4.4	51
9	SSZ-45: A High-Silica Zeolite with Small Pore Openings, Large Cavities, and Unusual Adsorption Properties. Chemistry of Materials, 2014, 26, 3909-3913.	6.7	42
10	Process intensification of CO2 capture by low-aqueous solvent. Chemical Engineering Journal, 2021, 426, 131240.	12.7	18
11	Effect of Crystal Size on Framework Defects and Water Uptake in Fluoride Mediated Silicalite-1. Chemistry of Materials, 2014, 26, 4368-4376.	6.7	16
12	Binary- and Pure-Component Adsorption of CO₂, H₂O, and C₆H₁₄ on SSZ-13. Industrial & Engineering Chemistry Research, 2020, 59, 18151-18159.	3.7	13
13	Acid gas adsorption on zeolite <scp>SSZ</scp>â€13: Equilibrium and dynamic behavior for natural gas applications. AICHE Journal, 2020, 66, e16549.	3.6	10
14	Improving Hydrodenitrogenation Catalyst Performance through Analyzing Hydrotreated Vacuum Gas Oil Using Ion Mobilityâ€“Mass Spectrometry. Industrial & Engineering Chemistry Research, 2018, 57, 8845-8854.	3.7	6
15	Rate-Based Absorption Modeling for Postcombustion CO₂ Capture with Additively Manufactured Structured Packing. Industrial & Engineering Chemistry Research, 2021, 60, 14845-14855.	3.7	6