

Michael S Denny Jr

List of Publications by Year in descending order

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12
papers

1,777
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

3098
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks for membrane-based separations. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	602
2	In Situ Modification of Metal-Organic Frameworks in Mixed-Matrix Membranes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9029-9032.	13.8	378
3	Observing the Growth of Metal-Organic Frameworks by <i>in Situ</i> Liquid Cell Transmission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2015, 137, 7322-7328.	13.7	207
4	Enhanced aging properties of HKUST-1 in hydrophobic mixed-matrix membranes for ammonia adsorption. <i>Chemical Science</i> , 2016, 7, 2711-2716.	7.4	145
5	Nylon-MOF Composites through Postsynthetic Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2336-2340.	13.8	132
6	Pore Breathing of Metal-Organic Frameworks by Environmental Transmission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 13973-13976.	13.7	56
7	Multicomponent metal-organic framework membranes for advanced functional composites. <i>Chemical Science</i> , 2018, 9, 8842-8849.	7.4	54
8	Transmission Electron Microscopy Reveals Deposition of Metal Oxide Coatings onto Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 1348-1357.	13.7	51
9	High MOF loading in mixed-matrix membranes utilizing styrene/butadiene copolymers. <i>Chemical Communications</i> , 2016, 52, 14376-14379.	4.1	43
10	Nylon-MOF Composites through Postsynthetic Polymerization. <i>Angewandte Chemie</i> , 2019, 131, 2358-2362.	2.0	38
11	Analytical STEM Investigation of the Post-Synthetic Modification (PMS) of Metal-Organic Frameworks (MOFs): Metal- and Ligand-Exchange in UiO-66. <i>Microscopy and Microanalysis</i> , 2018, 24, 1970-1971.	0.4	3
12	Gas Absorption and Pore Breathing of Metal-Organic Frameworks Studied Using <i>in situ</i> Environmental Transmission Electron Microscopy (EEM). <i>Microscopy and Microanalysis</i> , 2018, 24, 1880-1881.	0.4	1