

Stephen M Meckler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3410497/publications.pdf>

Version: 2024-02-01

13
papers

548
citations

1040056

9
h-index

1199594

12
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14
docs citations

14
times ranked

1093
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular understanding of polyelectrolyte binders that actively regulate ion transport in sulfur cathodes. <i>Nature Communications</i> , 2017, 8, 2277.	12.8	117
2	Engineered Transport in Microporous Materials and Membranes for Clean Energy Technologies. <i>Advanced Materials</i> , 2018, 30, 1704953.	21.0	85
3	Design Rules for Membranes from Polymers of Intrinsic Microporosity for Crossover-free Aqueous Electrochemical Devices. <i>Joule</i> , 2019, 3, 2968-2985.	24.0	84
4	Diversity-oriented synthesis of polymer membranes with ion solvation cages. <i>Nature</i> , 2021, 592, 225-231.	27.8	83
5	Thermally Rearranged Polymer Membranes Containing Tröger's Base Units Have Exceptional Performance for Air Separations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4912-4916.	13.8	47
6	Sub-micron Polymer-Zeolitic Imidazolate Framework Layered Hybrids via Controlled Chemical Transformation of Naked ZnO Nanocrystal Films. <i>Chemistry of Materials</i> , 2015, 27, 7673-7679.	6.7	45
7	Minute-MOFs: Ultrafast Synthesis of $M_2(dobpdc)$ Metal-Organic Frameworks from Divalent Metal Oxide Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2016, 28, 1581-1588.	6.7	29
8	Diamine-Appended $Mg_2(dobpdc)$ Nanorods as Phase-Change Fillers in Mixed-Matrix Membranes for Efficient CO_2/N_2 Separations. <i>Nano Letters</i> , 2017, 17, 6828-6832.	9.1	28
9	Triggered Detection and Deposition: Toward the Repair of Microcracks. <i>Chemistry of Materials</i> , 2014, 26, 4647-4652.	6.7	16
10	Thermally Rearranged Polymer Membranes Containing Tröger's Base Units Have Exceptional Performance for Air Separations. <i>Angewandte Chemie</i> , 2018, 130, 5006-5010.	2.0	8
11	Ultraviolet Spectroscopy and Photochemistry of SO_2/H_2O Ices. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 663-668.	2.7	3
12	Optically Transparent Polymer Aerogels Via Controlled Radical Polymerization. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1565-1569.	4.4	3
13	Thumbnail: Thermally Rearranged Polymer Membranes Containing Tröger's Base Units Have Exceptional Performance for Air Separations (<i>Angew. Chem.</i> 18/2018). <i>Angewandte Chemie</i> , 2018, 130, 5274-5274.	2.0	0