

Dandan Xu

List of Publications by Year in descending order

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17
papers

1,467
citations

840119

11
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940134

16
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all docs

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docs citations

17
times ranked

1633
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of furan, hexanoic acid, and alkanes in a hierarchical zeolite at reaction conditions: Insights from molecular simulations. <i>Journal of Computational Science</i> , 2021, 48, 101267.	1.5	4
2	Acid Sites of Phosphorus-Modified Zeolites. <i>ACS Catalysis</i> , 2021, 11, 9933-9948.	5.5	9
3	Vapor- and liquid-phase adsorption of alcohol and water in silicalite-1 synthesized in fluoride media. <i>AIChE Journal</i> , 2020, 66, e16868.	1.8	12
4	Modeling and simulation of gas separations with spiral-wound membranes. <i>AIChE Journal</i> , 2020, 66, e16274.	1.8	4
5	Steam-Induced Coarsening of Single-Unit-Cell MFI Zeolite Nanosheets and Its Effect on External Surface Brønsted Acid Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 9666-9672.	1.6	5
6	Steam-Induced Coarsening of Single-Unit-Cell MFI Zeolite Nanosheets and Its Effect on External Surface Brønsted Acid Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9579-9585.	7.2	26
7	A quantitative study of the structure-activity relationship in hierarchical zeolites using liquid-phase reactions. <i>AIChE Journal</i> , 2019, 65, 1067-1075.	1.8	29
8	Simple quantification of zeolite acid site density by reactive gas chromatography. <i>Catalysis Science and Technology</i> , 2017, 7, 3831-3841.	2.1	51
9	Nucleation, Growth, and Robust Synthesis of SPP Zeolite: Effect of Ethanol, Sodium, and Potassium. <i>Topics in Catalysis</i> , 2015, 58, 545-558.	1.3	15
10	On the Synthesis and Adsorption Properties of Single-Unit-Cell Hierarchical Zeolites Made by Rotational Intergrowths. <i>Advanced Functional Materials</i> , 2014, 24, 201-208.	7.8	101
11	2-dimensional zeolites. <i>AIChE Journal</i> , 2014, 60, 2374-2381.	1.8	101
12	Activity and selectivity differences of external Brønsted acid sites of single-unit-cell thick and conventional MFI and MWW zeolites. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 287-290.	2.2	42
13	Synthesis of Self-Pillared Zeolite Nanosheets by Repetitive Branching. <i>Science</i> , 2012, 336, 1684-1687.	6.0	655
14	Catalytic Behavior of Brønsted Acid Sites in MWW and MFI Zeolites with Dual Meso- and Microporosity. <i>ACS Catalysis</i> , 2011, 1, 7-17.	5.5	113
15	Layer Structure Preservation during Swelling, Pillaring, and Exfoliation of a Zeolite Precursor. <i>Journal of the American Chemical Society</i> , 2008, 130, 1507-1516.	6.6	240
16	A model for the performance of microporous mixed matrix membranes with oriented selective flakes. <i>Journal of Membrane Science</i> , 2007, 295, 50-70.	4.1	56
17	Ethanol and Water Adsorption in Conventional and Hierarchical All-Silica MFI Zeolites. <i>ACS Physical Chemistry Au</i> , 0, , .	1.9	4