

Dandan Xu

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,467
citations

840119

11
h-index

940134

16
g-index

17
all docs

17
docs citations

17
times ranked

1633
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Synthesis of Self-Pillared Zeolite Nanosheets by Repetitive Branching. <i>Science</i> , 2012, 336, 1684-1687. | 6.0 | 655 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 2-dimensional zeolites. <i>AIChE Journal</i> , 2014, 60, 2374-2381. | 1.8 | 101 |
| 6 | 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 |
| 7 | Simple quantification of zeolite acid site density by reactive gas chromatography. <i>Catalysis Science and Technology</i> , 2017, 7, 3831-3841. | 2.1 | 51 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Acid Sites of Phosphorus-Modified Zeosils. <i>ACS Catalysis</i> , 2021, 11, 9933-9948. | 5.5 | 9 |
| 14 | 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 |
| 15 | Modeling and simulation of gas separations with spiral-wound membranes. <i>AIChE Journal</i> , 2020, 66, e16274. | 1.8 | 4 |
| 16 | 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 |
| 17 | Ethanol and Water Adsorption in Conventional and Hierarchical All-Silica MFI Zeolites. <i>ACS Physical Chemistry Au</i> , 0, , . | 1.9 | 4 |