

Ke Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,128
citations

516710

16
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1663
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Methane oxidation by green oxidant to methanol over zeolite-based catalysts. Chinese Chemical Letters, 2022, 33, 1757-1762. | 9.0 | 8 |
| 2 | Toward rational design of hierarchical beta zeolites: An overview and beyond. AIChE Journal, 2020, 66, e16943. | 3.6 | 13 |
| 3 | Exploring the impact of synthetic strategies on catalytic cracking in hierarchical beta zeolites via hydrothermal desilication and organosilane-templated synthesis. Catalysis Science and Technology, 2020, 10, 4602-4611. | 4.1 | 13 |
| 4 | Recent progress on sulfur-resistant palladium membranes. , 2020, , 123-137. | | 0 |
| 5 | Tailoring the hierarchical architecture of beta zeolites using base leaching and pore-directing agents. Microporous and Mesoporous Materials, 2018, 263, 201-209. | 4.4 | 39 |
| 6 | Organotemplate-free synthesis of hierarchical beta zeolites. Catalysis Today, 2018, 316, 26-30. | 4.4 | 17 |
| 7 | Organotemplate-Free β Zeolites: From Zeolite Synthesis to Hierarchical Structure Creation. ACS Omega, 2018, 3, 18935-18942. | 3.5 | 10 |
| 8 | Understanding Commonalities and Interplay Between Organotemplate-Free Zeolite Synthesis, Hierarchical Structure Creation, and Interzeolite Transformation. ChemCatChem, 2018, 10, 4197-4212. | 3.7 | 21 |
| 9 | Palladium-copper membranes for hydrogen separation. Separation and Purification Technology, 2017, 186, 39-44. | 7.9 | 77 |
| 10 | Computational Identification and Experimental Evaluation of Metal-Organic Frameworks for Xylene Enrichment. Journal of Physical Chemistry C, 2016, 120, 12075-12082. | 3.1 | 46 |
| 11 | Optimization of Hierarchical Structures for Beta Zeolites by Post-Synthetic Base Leaching. Industrial & Engineering Chemistry Research, 2016, 55, 8567-8575. | 3.7 | 32 |
| 12 | Innovations in hierarchical zeolite synthesis. Catalysis Today, 2016, 264, 3-15. | 4.4 | 167 |
| 13 | 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 |
| 14 | Diffusion of water and ethanol in silicalite crystals synthesized in fluoride media. Microporous and Mesoporous Materials, 2013, 170, 259-265. | 4.4 | 24 |
| 15 | Alcohol and water adsorption in zeolitic imidazolate frameworks. Chemical Communications, 2013, 49, 3245. | 4.1 | 278 |
| 16 | Adsorption of Water and Ethanol in MFI-Type Zeolites. Langmuir, 2012, 28, 8664-8673. | 3.5 | 161 |
| 17 | A sorption rate hypothesis for the increase in H ₂ permeability of palladium-silver (Pd-Ag) membranes caused by air oxidation. International Journal of Hydrogen Energy, 2012, 37, 583-593. | 7.1 | 30 |
| 18 | Effects of heat treatment in air on hydrogen sorption over Pd-Ag and Pd-Au membrane surfaces. Journal of Membrane Science, 2012, 403-404, 78-83. | 8.2 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Hydrogen separation through palladium-copper membranes on porous stainless steel with sol-gel derived ceria as diffusion barrier. <i>Fuel</i> , 2010, 89, 1274-1279. | 6.4 | 40 |
| 20 | Effect of metal-support interface on hydrogen permeation through palladium membranes. <i>AIChE Journal</i> , 2009, 55, 630-639. | 3.6 | 30 |
| 21 | High-Temperature Stability of Palladium Membranes on Porous Metal Supports with Different Intermediate Layers. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 1880-1886. | 3.7 | 77 |