

# Ke Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6666375/publications.pdf>

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	Alcohol and water adsorption in zeolitic imidazolate frameworks. <i>Chemical Communications</i> , 2013, 49, 3245.	4.1	278
2	Innovations in hierarchical zeolite synthesis. <i>Catalysis Today</i> , 2016, 264, 3-15.	4.4	167
3	Adsorption of Water and Ethanol in MFI-Type Zeolites. <i>Langmuir</i> , 2012, 28, 8664-8673.	3.5	161
4	High-Temperature Stability of Palladium Membranes on Porous Metal Supports with Different Intermediate Layers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 1880-1886.	3.7	77
5	Palladium-copper membranes for hydrogen separation. <i>Separation and Purification Technology</i> , 2017, 186, 39-44.	7.9	77
6	Computational Identification and Experimental Evaluation of Metal-Organic Frameworks for Xylene Enrichment. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12075-12082.	3.1	46
7	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
8	Tailoring the hierarchical architecture of beta zeolites using base leaching and pore-directing agents. <i>Microporous and Mesoporous Materials</i> , 2018, 263, 201-209.	4.4	39
9	Optimization of Hierarchical Structures for Beta Zeolites by Post-Synthetic Base Leaching. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 8567-8575.	3.7	32
10	Effect of metal-support interface on hydrogen permeation through palladium membranes. <i>AIChE Journal</i> , 2009, 55, 630-639.	3.6	30
11	A sorption rate hypothesis for the increase in H <sub>2</sub> permeability of palladium-silver (Pd-Ag) membranes caused by air oxidation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 583-593.	7.1	30
12	Effects of heat treatment in air on hydrogen sorption over Pd-Ag and Pd-Au membrane surfaces. <i>Journal of Membrane Science</i> , 2012, 403-404, 78-83.	8.2	29
13	Diffusion of water and ethanol in silicalite crystals synthesized in fluoride media. <i>Microporous and Mesoporous Materials</i> , 2013, 170, 259-265.	4.4	24
14	Understanding Commonalities and Interplay Between Organotemplate-Free Zeolite Synthesis, Hierarchical Structure Creation, and Interzeolite Transformation. <i>ChemCatChem</i> , 2018, 10, 4197-4212.	3.7	21
15	Organotemplate-free synthesis of hierarchical beta zeolites. <i>Catalysis Today</i> , 2018, 316, 26-30.	4.4	17
16	Effect of Crystal Size on Framework Defects and Water Uptake in Fluoride Mediated Silicalite-1. <i>Chemistry of Materials</i> , 2014, 26, 4368-4376.	6.7	16
17	Toward rational design of hierarchical beta zeolites: An overview and beyond. <i>AIChE Journal</i> , 2020, 66, e16943.	3.6	13
18	Exploring the impact of synthetic strategies on catalytic cracking in hierarchical beta zeolites via hydrothermal desilication and organosilane-templated synthesis. <i>Catalysis Science and Technology</i> , 2020, 10, 4602-4611.	4.1	13

#	ARTICLE	IF	CITATIONS
19	Organotemplate-Free $\hat{I}^2$ Zeolites: From Zeolite Synthesis to Hierarchical Structure Creation. ACS Omega, 2018, 3, 18935-18942.	3.5	10
20	Methane oxidation by green oxidant to methanol over zeolite-based catalysts. Chinese Chemical Letters, 2022, 33, 1757-1762.	9.0	8
21	Recent progress on sulfur-resistant palladium membranes. , 2020, , 123-137.		0