

Yuanshuai Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4320837/publications.pdf>

Version: 2024-02-01

16
papers

1,104
citations

567281

15
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1289
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic effects of Ni and acid sites for hydrogenation and C=O bond cleavage of substituted phenols. <i>Green Chemistry</i> , 2015, 17, 1204-1218.	9.0	241
2	Accurate Adsorption Thermodynamics of Small Alkanes in Zeolites. <i>Ab initio Theory and Experiment for H-Chabazite</i> . <i>Journal of Physical Chemistry C</i> , 2015, 119, 6128-6137.	3.1	120
3	Enhancing the catalytic activity of hydronium ions through constrained environments. <i>Nature Communications</i> , 2017, 8, 14113.	12.8	94
4	Selective formation of propylene from methanol over high-silica nanosheets of MFI zeolite. <i>Applied Catalysis A: General</i> , 2012, 445-446, 215-220.	4.3	90
5	Solvent-determined mechanistic pathways in zeolite-H-BEA-catalysed phenol alkylation. <i>Nature Catalysis</i> , 2018, 1, 141-147.	34.4	85
6	Role of the ionic environment in enhancing the activity of reacting molecules in zeolite pores. <i>Science</i> , 2021, 372, 952-957.	12.6	79
7	Anharmonicity and Confinement in Zeolites: Structure, Spectroscopy, and Adsorption Free Energy of Ethanol in H-ZSM-5. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7172-7182.	3.1	77
8	Tandem catalysis with double-shelled hollow spheres. <i>Nature Materials</i> , 2022, 21, 572-579.	27.5	65
9	Mechanism of Phenol Alkylation in Zeolite H-BEA Using In Situ Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 9178-9185.	13.7	56
10	Identifying key mononuclear Fe species for low-temperature methane oxidation. <i>Chemical Science</i> , 2021, 12, 3152-3160.	7.4	49
11	Zeolite-tailored Active Site Proximity for the Efficient Production of Pentanoic Biofuels. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23713-23721.	13.8	43
12	Enhanced Catalytic Performance through In Situ Encapsulation of Ultrafine Ru Clusters within a High-Aluminum Zeolite. <i>ACS Catalysis</i> , 2022, 12, 1847-1856.	11.2	37
13	Differences in Mechanism and Rate of Zeolite-Catalyzed Cyclohexanol Dehydration in Apolar and Aqueous Phase. <i>ACS Catalysis</i> , 2021, 11, 2879-2888.	11.2	26
14	Dehydration of 1-Octadecanol over H-BEA: A Combined Experimental and Computational Study. <i>ACS Catalysis</i> , 2016, 6, 878-889.	11.2	16
15	Alkylation of lignin-derived aromatic oxygenates with cyclic alcohols on acidic zeolites. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119424.	20.2	16
16	Zeolite-tailored Active Site Proximity for the Efficient Production of Pentanoic Biofuels. <i>Angewandte Chemie</i> , 2021, 133, 23906-23914.	2.0	10