

Brønsted acid sites based on penta-coordinated alumin

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The zeolite mediated isomerization of allyl phenyl ether. <i>Materials Research Express</i> , 2017, 4, 044004.	0.8	0
2	Jean-Paul Amoureux: Having fun with quadrupolar nuclei. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 84, 1-3.	1.5	0
3	Characterization of Catalytic Materials through a Facile Approach to Probe OH Groups by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14108-14119.	1.5	19
4	Proton detection of MAS solid-state NMR spectra of half-integer quadrupolar nuclei. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 84, 171-181.	1.5	75
5	Determining the Surface Structure of Silicated Alumina Catalysts via Isotopic Enrichment and Dynamic Nuclear Polarization Surface-Enhanced NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22977-22984.	1.5	34
6	Role of Coordination Number, Geometry, and Local Disorder on $^{27}\text{Al}$ NMR Chemical Shifts and Quadrupolar Coupling Constants: Case Study with Aluminosilicates. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19946-19957.	1.5	28
7	Simulations of Ammonia Adsorption for the Characterization of Acid Sites in Metal-Doped Amorphous Silicates. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22258-22267.	1.5	25
8	Brønsted-Lewis Acids for Efficient Conversion of Renewables. <i>Biofuels and Biorefineries</i> , 2017, , 99-135.	0.5	5
9	Multiple hydrogen bond coordination in three-constituent deep eutectic solvents enhances lignin fractionation from biomass. <i>Green Chemistry</i> , 2018, 20, 2711-2721.	4.6	323
10	Relation of Catalytic Performance to the Aluminum Siting of Acidic Zeolites in the Conversion of Methanol to Olefins, Viewed via a Comparison between ZSM-5 and ZSM-11. <i>ACS Catalysis</i> , 2018, 8, 5485-5505.	5.5	148
11	Role of Brønsted acid site during catalytic combustion of methane over PdO/ZSM-5: Dominant or negligible?. <i>Journal of Catalysis</i> , 2018, 357, 29-40.	3.1	115
12	Shedding light on the atomic-scale structure of amorphous silica-alumina and its Brønsted acid sites. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19529-19537.	1.3	32
13	Deleterious effects of non-framework Al species on the catalytic performance of ZSM-5 crystals synthesized at low temperature. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1957-1968.	1.9	16
14	Tuning the siting of aluminum in ZSM-11 zeolite and regulating its catalytic performance in the conversion of methanol to olefins. <i>Journal of Catalysis</i> , 2019, 377, 81-97.	3.1	50
15	Verapamil delivery systems on the basis of mesoporous ZSM-5/KIT-6 and ZSM-5/SBA-15 polymer nanocomposites as a potential tool to overcome MDR in cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 460-472.	2.0	8
16	Catalytic arene alkylation over H-Beta zeolite: Influence of zeolite shape selectivity and reactant nucleophilicity. <i>Journal of Catalysis</i> , 2019, 380, 9-20.	3.1	19
17	Low-Dimensional Magnetic Semimetal $\text{Cr}_{0.65}\text{Al}_{1.35}\text{Se}_3$ . <i>Inorganic Chemistry</i> , 2019, 58, 13960-13968.	1.9	0
18	Insight into Three-Coordinate Aluminum Species on Ethanol-Olefin Conversion over ZSM-5 Zeolites. <i>Angewandte Chemie</i> , 2019, 131, 18229-18236.	1.6	7

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19	Insight into Three-coordinate Aluminum Species on Ethanol-to-Olefin Conversion over ZSM-5 Zeolites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18061-18068.	7.2	51
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21	Ce-modified zeolite BEA catalysts for the trichloroethylene oxidation. The role of the different and necessary active sites. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118022.	10.8	20
22	The acidic nature of $\alpha$ -NMR-invisible tri-coordinated framework aluminum species in zeolites. <i>Chemical Science</i> , 2019, 10, 10159-10169.	3.7	78
23	Alumina: discriminative analysis using 3D correlation of solid-state NMR parameters. <i>Chemical Society Reviews</i> , 2019, 48, 134-156.	18.7	85
24	Brønsted Brønsted Synergies between Framework and Noncrystalline Protons in Zeolite H-ZSM-5. <i>ACS Catalysis</i> , 2019, 9, 6124-6136.	5.5	37
25	The cooperative effect of Lewis and Brønsted acid sites on Sn-MCM-41 catalysts for the conversion of 1,3-dihydroxyacetone to ethyl lactate. <i>Green Chemistry</i> , 2019, 21, 3383-3393.	4.6	26
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32	Synthesis, characterization and catalytic activity of single site, Lewis acidic aluminosilicates. <i>Catalysis Today</i> , 2019, 334, 131-139.	2.2	10
33	Silica-alumina catalytic materials: A critical review. <i>Catalysis Today</i> , 2020, 357, 621-629.	2.2	52
34	NMR Spectroscopic Characterization of Flame-Made Amorphous Silica-Alumina for Cyclohexanol and Glyceraldehyde Conversion. <i>ChemCatChem</i> , 2020, 12, 287-293.	1.8	7
35	Pentacoordinated Aluminum Species: New Frontier for Tailoring Acidity-Enhanced Silica-Alumina Catalysts. <i>Accounts of Chemical Research</i> , 2020, 53, 2648-2658.	7.6	32
36	Dehydroaromatization of methane over Mo/ZSM-5 zeolites: influence of aluminum distribution in the crystals. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 889-904.	0.8	3

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38	Water-Induced Structural Dynamic Process in Molecular Sieves under Mild Hydrothermal Conditions: Ship-in-a-Bottle Strategy for Acidity Identification and Catalyst Modification. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20672-20681.	7.2	26
39	Water-Induced Structural Dynamic Process in Molecular Sieves under Mild Hydrothermal Conditions: Ship-in-a-Bottle Strategy for Acidity Identification and Catalyst Modification. <i>Angewandte Chemie</i> , 2020, 132, 20853-20862.	1.6	5
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43	Hybrid mesoporous aluminosilicate catalysts obtained by non-hydrolytic sol-gel for ethanol dehydration. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23526-23542.	5.2	12
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