

# CITATION REPORT

List of articles citing

## Catalytic Performance of Brnsted and Lewis Acid Sites in Phenylglyoxal Conversion on Flame-Derived SilicaZr

DOI: 10.1002/cctc.201402397  
ChemCatChem, 2014, 6, 2970-2975.

**Source:** <https://exaly.com/paper-pdf/59555763/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
21	Novel Approach for the Characterization of Lewis Acidic Solid Catalysts by Solid-State NMR Spectroscopy. <i>ChemCatChem</i> , <b>2016</b> , 8, 2031-2036	5.2	33
20	Brønsted acid sites based on penta-coordinated aluminum species. <i>Nature Communications</i> , <b>2016</b> , 7, 13820	17.4	73
19	Flame aerosol synthesis of nanostructured materials and functional devices: Processing, modeling, and diagnostics. <i>Progress in Energy and Combustion Science</i> , <b>2016</b> , 55, 1-59	33.6	171
18	Synthesis of catalytic materials in flames: opportunities and challenges. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 3053-68	58.5	111
17	Understanding the Zr and Si interdispersion in Zr <sub>1-x</sub> Si <sub>x</sub> O <sub>2</sub> mesoporous thin films by using FTIR and XANES spectroscopy. <i>Dalton Transactions</i> , <b>2016</b> , 45, 9977-87	4.3	8
16	Controlling Hydrodeoxygenation of Stearic Acid to n-Heptadecane and n-Octadecane by Adjusting the Chemical Properties of Ni/SiO <sub>2</sub> /ZrO <sub>2</sub> Catalyst. <i>ChemCatChem</i> , <b>2017</b> , 9, 195-203	5.2	33
15	Cooperative defect-enriched SiO <sub>2</sub> for oxygen activation and organic dehydrogenation. <i>Journal of Catalysis</i> , <b>2019</b> , 376, 168-179	7.3	10
14	The Comparative Effect of Particle Size and Support Acidity on Hydrogenation of Aromatic Ketones. <i>ChemCatChem</i> , <b>2019</b> , 11, 4810-4817	5.2	11
13	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> , <b>2019</b> , 21, 3383-3393	10	19
12	Rate enhancement by Cu in Ni <sub>x</sub> Cu <sub>1-x</sub> /ZrO <sub>2</sub> bimetallic catalysts for hydrodeoxygenation of stearic acid. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 2620-2629	5.5	8
11	Correlation between Acidity and Catalytic Performance of Mesoporous Zirconium Oxophosphate in Phenylglyoxal Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8931-8942	8.3	3
10	Strongly enhanced acidity and activity of amorphous silica/alumina by formation of pentacoordinated AlV species. <i>Journal of Catalysis</i> , <b>2019</b> , 372, 1-7	7.3	19
9	NMR Spectroscopic Characterization of Flame-Made Amorphous Silica-Alumina for Cyclohexanol and Glyceraldehyde Conversion. <i>ChemCatChem</i> , <b>2020</b> , 12, 287-293	5.2	5
8	Pentacoordinated Aluminum Species: New Frontier for Tailoring Acidity-Enhanced Silica-Alumina Catalysts. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 2648-2658	24.3	10
7	Acidity enhancement through synergy of penta- and tetra-coordinated aluminum species in amorphous silica networks. <i>Nature Communications</i> , <b>2020</b> , 11, 225	17.4	26
6	Effect of aluminum and sodium on the sorption of water and methanol in microporous MFI-type zeolites and mesoporous SBA-15 materials. <i>Adsorption</i> , <b>2021</b> , 27, 49-68	2.6	9
5	Qualitative and Quantitative Analysis of Acid Properties for Solid Acids by Solid-State Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 10179-10197	3.8	6

4	Elucidating the Cooperative Roles of Water and Lewis Acid-Base Pairs in Cascade C-C Coupling and Self-Deoxygenation Reactions. <i>Jacs Au</i> , <b>2021</b> , 1, 1471-1487		0
3	Phase transformation of ZrO <sub>2</sub> by Si incorporation and catalytic activity for isopropyl alcohol dehydration and dehydrogenation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131766	14.7	1
2	Mechanisms of the AlCl <sub>3</sub> Modification of Siliceous Microporous and Mesoporous Catalysts Investigated by Multi-Nuclear Solid-State NMR. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 1537-1553	2.3	12
1	Inducing efficient proton transfer through Fe/Ni@COF to promote amine-based solvent regeneration for achieving low-cost capture of CO <sub>2</sub> from industrial flue gas. <i>Separation and Purification Technology</i> , <b>2022</b> , 298, 121676	8.3	1