

Alexander V Yakimov

List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Resolved In-Situ MAS NMR Monitoring of the Nucleation and Growth of Zeolite BEA Catalysts under Hydrothermal Conditions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15344-15347.	13.8	56
2	¹¹⁹ Sn MAS NMR Study of the Interaction of Probe Molecules with Sn-BEA: The Origin of Penta- and Hexacoordinated Tin Formation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28083-28092.	3.1	50
3	Revisiting Acidity of SnBEA Catalysts by Combined Application of FTIR Spectroscopy of Different Probe Molecules. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11437-11447.	3.1	46
4	Application of ¹¹⁹ Sn CPMG MAS NMR for Fast Characterization of Sn Sites in Zeolites with Natural ¹¹⁹ Sn Isotope Abundance. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1249-1253.	4.6	44
5	Origin of Water-Induced Brønsted Acid Sites in Sn-BEA Zeolites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5540-5548.	3.1	40
6	Accelerated synthesis of Sn-BEA in fluoride media: effect of H ₂ O content in the gel. <i>New Journal of Chemistry</i> , 2016, 40, 4367-4374.	2.8	33
7	Direct Observation of Tin in Different T-Sites of Sn-BEA by One- and Two-Dimensional ¹¹⁹ Sn MAS NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3738-3743.	4.6	31
8	Structure and Framework Association of Lewis Acid Sites in MOR Zeolite. <i>Journal of the American Chemical Society</i> , 2022, 144, 10377-10385.	13.7	23
9	Single-Site Iridium Picolinamide Catalyst Immobilized onto Silica for the Hydrogenation of CO ₂ and the Dehydrogenation of Formic Acid. <i>Inorganic Chemistry</i> , 2022, 61, 10575-10586.	4.0	19
10	DNP-SENS Formulation Protocols To Study Surface Sites in Ziegler-Natta Catalyst MgCl ₂ Supports Modified with Internal Donors. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15994-16003.	3.1	16
11	A Formulation Protocol with Pyridine to Enable Dynamic Nuclear Polarization Surface-Enhanced NMR Spectroscopy on Reactive Surface Sites: Case Study with Olefin Polymerization and Metathesis Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3401-3407.	4.6	12
12	Time-Resolved In-Situ MAS NMR Monitoring of the Nucleation and Growth of Zeolite BEA Catalysts under Hydrothermal Conditions. <i>Angewandte Chemie</i> , 2017, 129, 15546-15549.	2.0	9
13	Dealumination of Nanosized Zeolites Y. <i>Petroleum Chemistry</i> , 2019, 59, 540-545.	1.4	9
14	Probing Acid Sites in MOR Zeolite Using Low-Temperature ¹³ C Solid-State NMR Spectroscopy of Adsorbed Carbon Monoxide. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3681-3687.	3.1	9
15	Atomic-scale changes of silica-supported catalysts with nanocrystalline or amorphous gallia phases: implications of hydrogen pretreatment on their selectivity for propane dehydrogenation. <i>Catalysis Science and Technology</i> , 2022, 12, 3957-3968.	4.1	7
16	Effect of synthesis conditions on the properties of nanocrystalline faujasites. <i>Petroleum Chemistry</i> , 2016, 56, 1168-1172.	1.4	3
17	Tuning of Sn-BEA Reactivity by Controlling Tin Location in the BEA Framework. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26679-26687.	3.1	2