

Ryutaro Wakabayashi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Aqueous Colloidal Mesoporous Nanoparticles with Ethenylene-Bridged Silsesquioxane Frameworks. <i>Journal of the American Chemical Society</i> , 2011, 133, 8102-8105.	13.7	170
2	Utilization of Alkoxysilyl Groups for the Creation of Structurally Controlled Siloxane-Based Nanomaterials. <i>Chemistry of Materials</i> , 2014, 26, 211-220.	6.7	90
3	Nonhydrolytic Synthesis of Branched Alkoxysiloxane Oligomers $\text{Si}[\text{OSiH}(\text{OR})_2]_4$ (R=Me, Et). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5273-5277.	13.8	50
4	Practical Conversion of Chlorosilanes into Alkoxysilanes without Generating HCl. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10708-10711.	13.8	38
5	Siloxane-Bond Formation Promoted by Lewis Acids: A Nonhydrolytic Sol-Gel Process and the Piers-Rubinsztajn Reaction. <i>ChemPlusChem</i> , 2013, 78, 764-774.	2.8	33
6	Usefulness of alkoxytitanosiloxane for the preparation of mesoporous silica containing a large amount of isolated titanium. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 240-247.	9.4	15
7	Direct alkoxylation of alkoxy silanes for the synthesis of explicit alkoxy siloxane oligomers. <i>Journal of Organometallic Chemistry</i> , 2012, 716, 26-31.	1.8	15
8	Protecting and Leaving Functions of Trimethylsilyl Groups in Trimethylsilylated Silicates for the Synthesis of Alkoxysiloxane Oligomers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13990-13994.	13.8	15
9	Synthesis of a multifunctional alkoxy siloxane oligomer. <i>New Journal of Chemistry</i> , 2014, 38, 5362-5368.	2.8	13
10	Relationship between penta-coordinated Al^{3+} sites in the Al_2O_3 supports and CH_4 combustion activity of $\text{Pd}/\text{Al}_2\text{O}_3$ catalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 2374-2378.	4.1	13
11	Understanding of NO_x storage property of impregnated Ba species after crystallization of mesoporous alumina powders. <i>Journal of Hazardous Materials</i> , 2020, 398, 122791.	12.4	11
12	Protecting and Leaving Functions of Trimethylsilyl Groups in Trimethylsilylated Silicates for the Synthesis of Alkoxysiloxane Oligomers. <i>Angewandte Chemie</i> , 2017, 129, 14178-14182.	2.0	8
13	Further Understanding of the Reactivity Control of Bisphosphonates to a Metal Source for Fabricating Highly Ordered Mesoporous Films. <i>Chemistry - A European Journal</i> , 2019, 25, 5971-5977.	3.3	7
14	Enhanced β -phase crystallinity of Al_2O_3 frameworks at the concave surface of PS- <i>b</i> -PEO templated spherical pores. <i>Dalton Transactions</i> , 2021, 50, 7191-7197.	3.3	3
15	A Robust Mesoporous Al_2O_3 -Based Nanocomposite Catalyst for Abundant NO_x Storage with Rational Design of Pt and Ba Species. <i>Chemistry - A European Journal</i> , 2021, 27, 6706-6712.	3.3	3
16	Accelerated crystallization of mesoporous Al_2O_3 powder recovered by spray-drying with a large amount of heated air. <i>New Journal of Chemistry</i> , 2021, 45, 14563-14569.	2.8	1
17	Cover Picture: Nonhydrolytic Synthesis of Branched Alkoxysiloxane Oligomers $\text{Si}[\text{OSiH}(\text{OR})_2]_4$ (R=Me, Et) ETQq110784314rgBT/O	13.8	0
18	Surfactant-Assisted Mesostructural Variation by the Molecular Structure of Frameworks. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3078-3083.	0.9	0