

Sanja Bosnar

List of Publications by Year in descending order

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papers

379
citations

933447

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494
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual Pathway of Crystallization of Zeolite ZSM-5 in a Heterogeneous System: Phenomenology and Starting Considerations. <i>Chemistry of Materials</i> , 2012, 24, 1726-1737.	6.7	97
2	Chemically controlled particulate properties of zeolites: Towards the face-less particles of zeolite A. 2. Influence of aluminosilicate batch concentration and alkalinity of the reaction mixture (hydrogel) on the size and shape of zeolite A crystals. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 389-397.	4.4	38
3	Study of the microstructure of amorphous aluminosilicate gel before and after its hydrothermal treatment. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 177-185.	4.4	36
4	Influence of anions on the kinetics of zeolite A crystallization. <i>Journal of Crystal Growth</i> , 2004, 267, 270-282.	1.5	31
5	Role of Subcolloidal (Nanosized) Precursor Species in the Early Stage of the Crystallization of Zeolites in Heterogeneous Systems. <i>Langmuir</i> , 2014, 30, 8570-8579.	3.5	29
6	Mechanism and kinetics of the growth of zeolite microcrystals. Part 2: Influence of sodium ions concentration in the liquid phase on the growth kinetics of zeolite A microcrystals. <i>Microporous and Mesoporous Materials</i> , 2004, 76, 157-165.	4.4	22
7	Experimental evidence of the "memory" effect of amorphous aluminosilicate gel precursors. <i>Microporous and Mesoporous Materials</i> , 2003, 64, 21-32.	4.4	20
8	Environment of the Eu ³⁺ Ion within Nanocrystalline Eu-Doped BaAl ₂ O ₄ : Correlation of X-ray Diffraction, Mössbauer Spectroscopy, X-ray Absorption Spectroscopy, and Photoluminescence Investigations. <i>Inorganic Chemistry</i> , 2018, 57, 1744-1756.	4.0	15
9	Chromium Environment within Cr-Doped BaAl ₂ O ₄ : Correlation of X-ray Diffraction and X-ray Absorption Spectroscopy Investigations. <i>Inorganic Chemistry</i> , 2015, 54, 11127-11135.	4.0	14
10	Overcoming phase separation in dual templating: A homogeneous hierarchical ZSM-5 zeolite with flower-like morphology, synthesis and in-depth acidity study. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111534.	4.4	13
11	Positron annihilation lifetime spectroscopy (PALS) study of the as prepared and calcined MFI zeolites. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 227-233.	4.0	10
12	Deep Insights into the Processes Occurring during Early Stages of the Formation and Room-Temperature Evolution of the Core (Amorphous SiO ₂)@Shell (Organocations) Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9441-9454.	3.1	10
13	Magnetic oxygen stored in quasi-1D form within BaAl ₂ O ₄ lattice. <i>Scientific Reports</i> , 2019, 9, 15158.	3.3	10
14	Anomalous nucleation events during crystallization of zeolite A under marginal alkalinities: a population balance analysis. <i>CrystEngComm</i> , 2012, 14, 3069.	2.6	8
15	Controlled aggregation of core(amorphous silica)@shell(TPA+polysilicate) nanoparticles at room temperature by selective removal of TPA+ ions from the nanoparticle shell. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1639-1653.	6.0	8
16	Analysis of the distribution of nuclei in matrices of differently prepared and treated aluminosilicate gels. <i>Studies in Surface Science and Catalysis</i> , 1999, , 157-164.	1.5	7
17	The relationship between sub-micrometer sized ZSM-5, slice-like (lamellar) zeolite and hollow β -quartz particles: a phase transformation study. <i>CrystEngComm</i> , 2013, 15, 5032.	2.6	7
18	The influence of alkali cations on the structure of zeolite precursor gels investigated by positron lifetime spectroscopy. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 793-798.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Structural Behavior and Spin-State Features of BaAl_2O_4 Scaled through Tuned Co^{3+} Doping. <i>Inorganic Chemistry</i> , 2021, 60, 8475-8488.	4.0	2