Tatjana AntoniÄ-JeliÄ

List of Publications by Year
in descending order

24 papers	535 citations	567281 15 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	490 citing authors

#	Article	IF	Citations
1	Unusual Pathway of Crystallization of Zeolite ZSM-5 in a Heterogeneous System: Phenomenology and Starting Considerations. Chemistry of Materials, 2012, 24, 1726-1737.	6.7	97
2	Influence of gel properties on the crystallization of zeolites: Part 1: Influence of alkalinity during gel preparation on the kinetics of nucleation of zeolite A. Zeolites, 1997, 18, 291-300.	0.5	47
3	Dissolution of amorphous aluminosilicate zeolite precursors in alkaline solutions. Part 1.â€"Kinetics of the dissolution. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1817-1822.	1.7	34
4	Influence of anions on the kinetics of zeolite A crystallization:. Journal of Crystal Growth, 2004, 267, 270-282.	1.5	31
5	Chemically controlled particulate properties of zeolites: Towards the face-less particles of zeolite A. Part 1. Influence of the batch molar ratio [SiO2/Al2O3] on the size and shape of zeolite A crystals. Microporous and Mesoporous Materials, 2011, 137, 72-82.	4.4	29
6	Role of Subcolloidal (Nanosized) Precursor Species in the Early Stage of the Crystallization of Zeolites in Heterogeneous Systems. Langmuir, 2014, 30, 8570-8579.	3.5	29
7	Dissolution of amorphous aluminosilicate zeolite precursors in alkaline solutions. Part 2.â€"Mechanism of the dissolution. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1973-1977.	1.7	26
8	Seed-Induced, Structure Directing Agent-Free Crystallization of Sub-Micrometer Zeolite ZSM-5: A Population Balance Analysis. Crystal Growth and Design, 2012, 12, 1736-1745.	3.0	26
9	Results of thermal and hydrothermal treatment of the aluminosilicate gels prepared at different batch concentrations. Thermochimica Acta, 1998, 317, 73-84.	2.7	25
10	Physical Chemistry of Aluminosilicate Gels. Part 1. Influence of Batch Concentration on Chemical Composition of the Gels. Zeolites, 1997, 19, 29-40.	0.5	22
11	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. Microporous and Mesoporous Materials, 2004, 76, 157-165.	4.4	22
12	Experimental evidence of the â€œmemoryâ€•effect of amorphous aluminosilicate gel precursors. Microporous and Mesoporous Materials, 2003, 64, 21-32.	4.4	20
13	Influence of the freeze-drying of hydrogel on the critical processes occurring during crystallization of zeolite A â€“ A new evidence of the gel â€œmemoryâ€•effect. Microporous and Mesoporous Materials, 2007, 105, 65-74.	4.4	20
14	Physical chemistry of aluminosilicate gels. Part 2 Influence of the batch molar ratio SiO2/Al2O3 on chemical composition of the gels. Microporous and Mesoporous Materials, 1998, 20, 161-175.	4.4	16
15	Dissolution of amorphous aluminosilicate zeolite precursors in alkaline solutions. Part 3.â€"Influence of temperature on the dissolution process. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3725-3728.	1.7	15
16	Mechanism of crystallization of zeolite A microcrystals from initially clear aluminosilicate solution: A population balance analysis. Journal of Crystal Growth, 2008, 310, 4656-4665.	1.5	14
17	Electron diffraction and infrared spectroscopy of amorphous aluminosilicate gels. Studies in Surface Science and Catalysis, 1994, , 259-266.	1.5	13
18	Deep Insights into the Processes Occurring during Early Stages of the Formation and Room-Temperature Evolution of the Core (Amorphous SiO₂)@Shell (Organocations) Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 9441-9454.	3.1	10

#	ARTICLE	IF	CITATIONS
19	Anomalous nucleation events during crystallization of zeolite A under marginal alkalinities: a population balance analysis. CrystEngComm, 2012, 14, 3069.	2.6	8
20	Controlled aggregation of core(amorphous silica)@shell(TPA+-polysilicate) nanoparticles at room temperature by selective removal of TPA+ ions from the nanoparticle shell. Inorganic Chemistry Frontiers, 2019, 6, 1639-1653.	6.0	8
21	The relationship between sub-micrometer sized ZSM-5, slice-like (lamellar) keatite and hollow Î±-quartz particles: a phase transformation study. CrystEngComm, 2013, 15, 5032.	2.6	7
22	Theoretical basis of the gel â€œmemory effectâ€•and its implications on the controlling of the particulate properties of zeolites. Studies in Surface Science and Catalysis, 2007, 170, 233-241.	1.5	6
23	Theoretical and Practical Aspects of Zeolite Nucleation. , 2009, , 127-185.		6
24	A Comparative EPR Study of Non-Substituted and Mg-Substituted Hydroxyapatite Behaviour in Model Media and during Accelerated Ageing. Crystals, 2022, 12, 297.	2.2	4