

# Tatjana AntoniÄ-JeliÄ

## List of Publications by Year in descending order

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24  
papers

535  
citations

567281

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docs citations

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times ranked

490  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative EPR Study of Non-Substituted and Mg-Substituted Hydroxyapatite Behaviour in Model Media and during Accelerated Ageing. <i>Crystals</i> , 2022, 12, 297.	2.2	4
2	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
3	Deep Insights into the Processes Occurring during Early Stages of the Formation and Room-Temperature Evolution of the Core (Amorphous SiO <sub>2</sub> )@Shell (Organocations) Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9441-9454.	3.1	10
4	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
5	The relationship between sub-micrometer sized ZSM-5, slice-like (lamellar) keatite and hollow Î±-quartz particles: a phase transformation study. <i>CrystEngComm</i> , 2013, 15, 5032.	2.6	7
6	Anomalous nucleation events during crystallization of zeolite A under marginal alkalinities: a population balance analysis. <i>CrystEngComm</i> , 2012, 14, 3069.	2.6	8
7	Seed-Induced, Structure Directing Agent-Free Crystallization of Sub-Micrometer Zeolite ZSM-5: A Population Balance Analysis. <i>Crystal Growth and Design</i> , 2012, 12, 1736-1745.	3.0	26
8	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
9	Chemically controlled particulate properties of zeolites: Towards the face-less particles of zeolite A. Part 1. Influence of the batch molar ratio [SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> ] on the size and shape of zeolite A crystals. <i>Microporous and Mesoporous Materials</i> , 2011, 137, 72-82.	4.4	29
10	Theoretical and Practical Aspects of Zeolite Nucleation. , 2009, , 127-185.		6
11	Mechanism of crystallization of zeolite A microcrystals from initially clear aluminosilicate solution: A population balance analysis. <i>Journal of Crystal Growth</i> , 2008, 310, 4656-4665.	1.5	14
12	Theoretical basis of the gel "memory effect" and its implications on the controlling of the particulate properties of zeolites. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 233-241.	1.5	6
13	Influence of the freeze-drying of hydrogel on the critical processes occurring during crystallization of zeolite A " A new evidence of the gel "memory" effect. <i>Microporous and Mesoporous Materials</i> , 2007, 105, 65-74.	4.4	20
14	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
15	Influence of anions on the kinetics of zeolite A crystallization:. <i>Journal of Crystal Growth</i> , 2004, 267, 270-282.	1.5	31
16	Experimental evidence of the "memory" effect of amorphous aluminosilicate gel precursors. <i>Microporous and Mesoporous Materials</i> , 2003, 64, 21-32.	4.4	20
17	Results of thermal and hydrothermal treatment of the aluminosilicate gels prepared at different batch concentrations. <i>Thermochimica Acta</i> , 1998, 317, 73-84.	2.7	25
18	Physical chemistry of aluminosilicate gels. Part 2 Influence of the batch molar ratio SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> on chemical composition of the gels. <i>Microporous and Mesoporous Materials</i> , 1998, 20, 161-175.	4.4	16

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19	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
20	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
21	Electron diffraction and infrared spectroscopy of amorphous aluminosilicate gels. Studies in Surface Science and Catalysis, 1994, , 259-266.	1.5	13
22	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
23	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
24	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