

Yuriy G Bushuev

List of Publications by Year in descending order

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papers

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759233

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times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability and Structure of Hydrated Amorphous Calcium Carbonate. <i>Crystal Growth and Design</i> , 2015, 15, 5269-5279.	3.0	48
2	Atomistic Simulations of Structural Defects and Water Occluded in SSZ-74 Zeolite. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10877-10886.	3.1	38
3	Feasibility of Pure Silica Zeolites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19157-19168.	3.1	38
4	Waterâ€“Hydrophobic Zeolite Systems. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24916-24929.	3.1	34
5	The Structural Directing Role of Water and Hydroxyl Groups in the Synthesis of Beta Zeolite Polymorphs. <i>Journal of Physical Chemistry C</i> , 2010, 114, 345-356.	3.1	27
6	Determination of the intermolecular interaction parameters in the water-amide systems based on the data of the excess thermodynamic functions. <i>Journal of Thermal Analysis</i> , 1995, 45, 687-693.	0.6	26
7	Atomistic Simulation of Water Intrusionâ€“Extrusion in ITQ-4 (IFR) and ZSM-22 (TON): The Role of Silanol Defects. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21942-21953.	3.1	25
8	Atomistic simulations of water and organic templates occluded during the synthesis of zeolites. <i>Microporous and Mesoporous Materials</i> , 2010, 129, 42-53.	4.4	23
9	Using simulation to understand the structure and properties of hydrated amorphous calcium carbonate. <i>CrystEngComm</i> , 2016, 18, 92-101.	2.6	19
10	Molecular dynamics simulations of aqueous glycine solutions. <i>CrystEngComm</i> , 2017, 19, 7197-7206.	2.6	15
11	Structural properties of liquid acetone. <i>Russian Chemical Bulletin</i> , 1999, 48, 25-34.	1.5	14
12	Molecular Dynamics Investigation of the Transient Regime in the Freezing of Salt Clusters. <i>Journal of Physical Chemistry B</i> , 2007, 111, 1712-1720.	2.6	14
13	Subnanometer Topological Tuning of the Liquid Intrusion/Extrusion Characteristics of Hydrophobic Micropores. <i>Nano Letters</i> , 2022, 22, 2164-2169.	9.1	11
14	Properties of the network of the hydrogen bonds of water. <i>Russian Chemical Bulletin</i> , 1997, 46, 888-891.	1.5	7
15	Structural properties of liquid water. <i>Russian Chemical Bulletin</i> , 1999, 48, 831-841.	1.5	7
16	Effect of the Topology on Wetting and Drying of Hydrophobic Porous Materials. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30067-30079.	8.0	6
17	Influence of the size of fixed-rigidity spheres on the structural and energy characteristics of hydrophobic hydration. <i>Russian Chemical Bulletin</i> , 2008, 57, 1811-1820.	1.5	4
18	Molecular dynamics simulations of 18-crown-6 aqueous solutions. <i>Journal of Molecular Liquids</i> , 2016, 224, 825-831.	4.9	4

#	ARTICLE	IF	CITATIONS
19	Water-methanol-benzene ternary system. Thermochemical experiment and computer simulation. Journal of Structural Chemistry, 2006, 47, S66-S72.	1.0	2
20	New intermolecular interaction potential for simulation of water and aqueous solutions in a wide range of state parameters. Russian Chemical Bulletin, 2004, 53, 742-750.	1.5	1
21	Molecular dynamics simulation of the kinetics of nucleation of supercooled NaCl melt clusters. Russian Journal of Physical Chemistry A, 2009, 83, 630-636.	0.6	1
22	Structure modification in crystallizations according to molecular dynamic simulations of NaCl clusters. Journal of Structural Chemistry, 2008, 49, 870-875.	1.0	0