Yuriy G Bushuev

List of Publications by Year
in descending order

22	364	759233 12	794594 19
papers	citations	h-index	g-index

22	22	22	449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Subnanometer Topological Tuning of the Liquid Intrusion/Extrusion Characteristics of Hydrophobic Micropores. Nano Letters, 2022, 22, 2164-2169.	9.1	11
2	Effect of the Topology on Wetting and Drying of Hydrophobic Porous Materials. ACS Applied Materials & Interfaces, 2022, 14, 30067-30079.	8.0	6
3	Molecular dynamics simulations of aqueous glycine solutions. CrystEngComm, 2017, 19, 7197-7206.	2.6	15
4	Molecular dynamics simulations of 18-crown-6 aqueous solutions. Journal of Molecular Liquids, 2016, 224, 825-831.	4.9	4
5	Using simulation to understand the structure and properties of hydrated amorphous calcium carbonate. CrystEngComm, 2016, 18, 92-101.	2.6	19
6	Stability and Structure of Hydrated Amorphous Calcium Carbonate. Crystal Growth and Design, 2015, 15, 5269-5279.	3.0	48
7	Waterâ€“Hydrophobic Zeolite Systems. Journal of Physical Chemistry C, 2012, 116, 24916-24929.	3.1	34
8	Atomistic Simulation of Water Intrusionâ€“Extrusion in ITQ-4 (IFR) and ZSM-22 (TON): The Role of Silanol Defects. Journal of Physical Chemistry C, 2011, 115, 21942-21953.	3.1	25
9	Atomistic simulations of water and organic templates occluded during the synthesis of zeolites. Microporous and Mesoporous Materials, 2010, 129, 42-53.	4.4	23
10	The Structural Directing Role of Water and Hydroxyl Groups in the Synthesis of Beta Zeolite Polymorphs. Journal of Physical Chemistry C, 2010, 114, 345-356.	3.1	27
11	Feasibility of Pure Silica Zeolites. Journal of Physical Chemistry C, 2010, 114, 19157-19168.	3.1	38
12	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
13	Atomistic Simulations of Structural Defects and Water Occluded in SSZ-74 Zeolite. Journal of Physical Chemistry C, 2009, 113, 10877-10886.	3.1	38
14	Influence of the size of fixed-rigidity spheres on the structural and energy characteristics of hydrophobic hydration. Russian Chemical Bulletin, 2008, 57, 1811-1820.	1.5	4
15	Structure modification in crystallizations according to molecular dynamic simulations of NaCl clusters. Journal of Structural Chemistry, 2008, 49, 870-875.	1.0	0
16	Molecular Dynamics Investigation of the Transient Regime in the Freezing of Salt Clusters. Journal of Physical Chemistry B, 2007, 111, 1712-1720.	2.6	14
17	Water-methanol-benzene ternary system. Thermochemical experiment and computer simulation. Journal of Structural Chemistry, 2006, 47, S66-S72.	1.0	2
18	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

#	Article	IF	Citations
19	Structural properties of liquid acetone. Russian Chemical Bulletin, 1999, 48, 25-34.	1.5	14
20	Structural properties of liquid water. Russian Chemical Bulletin, 1999, 48, 831-841.	1.5	7
21	Properties of the network of the hydrogen bonds of water. Russian Chemical Bulletin, 1997, 46, 888-891.	1.5	7
22	Determination of the intermolecular interaction parameters in the water-amide systems based on the data of the excess thermodynamic functions. Journal of Thermal Analysis, 1995, 45, 687-693.	0.6	26