

Anton Belogorlov

List of Publications by Year in descending order

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48
papers

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citations

840776

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times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of gas transport properties of PTMSP with porous aromatic framework: Effect of annealing. <i>Journal of Membrane Science</i> , 2016, 517, 80-90.	8.2	53
2	The percolation transition in filling a nanoporous body by a nonwetting liquid. <i>Journal of Experimental and Theoretical Physics</i> , 2005, 100, 385-397.	0.9	36
3	Investigation of the dynamics of a percolation transition under rapid compression of a nanoporous body-nonwetting liquid system. <i>Journal of Experimental and Theoretical Physics</i> , 2009, 108, 389-410.	0.9	30
4	Observation of a dispersion transition and the stability of a liquid in a nanoporous medium. <i>JETP Letters</i> , 2012, 95, 511-514.	1.4	30
5	Kinetics of the dispersion transition and nonergodicity of a system consisting of a disordered porous medium and a nonwetting liquid. <i>Physical Review E</i> , 2013, 88, 052116.	2.1	28
6	Correlation effects during liquid infiltration into hydrophobic nanoporous media. <i>Journal of Experimental and Theoretical Physics</i> , 2011, 112, 385-400.	0.9	21
7	Dispersion transition and the nonergodicity of the disordered nanoporous medium-nonwetting liquid system. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 1139-1163.	0.9	21
8	Anomalously slow relaxation of interacting liquid nanoclusters confined in a porous medium. <i>Physical Review E</i> , 2016, 93, 022142.	2.1	21
9	Observation of dynamic effects in the percolation transition in a nonwetting liquid-nanoporous body system. <i>JETP Letters</i> , 2001, 74, 258-261.	1.4	18
10	New express dynamic technique for liquid permeation measurements in a wide range of trans-membrane pressures. <i>Journal of Membrane Science</i> , 2012, 390-391, 160-163.	8.2	18
11	Observation of relaxation of the metastable state of a non-wetting liquid dispersed in a nanoporous medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 496, 63-68.	4.7	15
12	Multiplicity of metastable nonergodic states of a dispersed nonwetting liquid in a disordered nanoporous medium. <i>European Physical Journal B</i> , 2014, 87, 1.	1.5	9
13	Fluctuations of the number of neighboring pores and appearance of multiple nonergodic states of a nonwetting liquid confined in a disordered nanoporous medium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 2888-2893.	2.1	9
14	Response of a nanofluid system based on a porous medium to an impact loading. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 540-548.	4.7	9
15	The mechanism of mechanical energy accumulation in a nonwetting liquid-nanoporous solid system. <i>Technical Physics Letters</i> , 2004, 30, 973-975.	0.7	8
16	Anomalously slow relaxation of a nonwetting liquid in the disordered confinement of a nanoporous medium. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 121, 1027-1041.	0.9	7
17	States of a dispersed nonwetting liquid in a disordered nanoporous medium. <i>International Journal of Modern Physics B</i> , 2015, 29, 1550097.	2.0	5
18	Pore Geometry and Nonoutflow of the Nonwetting Liquid Dispersed in Nanoporous Medium. <i>Physics Procedia</i> , 2015, 72, 33-36.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Fast Spontaneous Transport of a Non-wetting Fluid in a Disordered Nanoporous Medium. Transport in Porous Media, 2021, 139, 21-44.	2.6	4
20	The infiltration of nonwetting liquid into nanoporous media and the thermal effect. Journal of Physics: Conference Series, 2011, 291, 012044.	0.4	3
21	Stability of a nonwetting liquid in a nanoporous medium. Physica Scripta, 2014, 89, 075705.	2.5	3
22	Observation of the Anomalously Slow Relaxation of a Nonergodic System of Interacting Liquid Nanoclusters in a Disordered Confinement of a Random Porous Medium. Physics Procedia, 2015, 72, 4-9.	1.2	3
23	Study of local configurations in the systems "disordered nanoporous medium" non-wetting liquid. Journal of Physics: Conference Series, 2018, 1099, 012023.	0.4	3
24	System nanoporous media - non-wetting liquid, as a basis for the development of shock damper. Journal of Physics: Conference Series, 2016, 751, 012031.	0.4	2
25	Study of hydrophobized mesostructured material MCM-41-C1 by gas adsorption and liquid porometry methods. Journal of Surface Investigation, 2017, 11, 425-428.	0.5	2
26	Phenomenon of non-outflow of a non-wetting liquid dispersed in nanoporous medium. The influence of modification and size of granules. Journal of Physics: Conference Series, 2018, 1099, 012025.	0.4	2
27	Suspensions of lyophobic nanoporous particles as smart materials for energy absorption. Journal of Colloid and Interface Science, 2021, 600, 229-242.	9.4	2
28	On the scaling of the interface energy of the liquid clusters in the disordered nanoporous medium. Physics and Chemistry of Liquids, 2015, 53, 671-677.	1.2	1
29	Some Features of Pressure Evolution in Systems "Non-Wetting Liquid" Nanoporous Medium at Impact Intrusion. Journal of Physics: Conference Series, 2017, 829, 012020.	0.4	1
30	Nanostructured Porous Silicon Containers as Drug Carriers. Pharmaceutical Chemistry Journal, 2021, 54, 1063-1066.	0.8	1
31	DISPERSION OF A NONWETTING LIQUID IN A DISORDERED NANOPOROUS MEDIUM. Journal of Porous Media, 2016, 19, 339-346.	1.9	1
32	Interphase Surface Stability in Liquid-Liquid Membrane Contactors Based on Track-Etched Membranes. Membranes, 2021, 11, 949.	3.0	1
33	Critical Parameters of Hydrodynamic Flow of Alcohols Through The Dense PTMSP/PVTMS Membranes. Procedia Engineering, 2012, 44, 1196.	1.2	0
34	Dispersion of a Nonwetting Liquid in a Disordered Nanoporous Medium. Physics Procedia, 2015, 72, 22-28.	1.2	0
35	Investigation of Permeability of Liquids through Nanoporous Membrane by DPD Method. Physics Procedia, 2015, 72, 29-32.	1.2	0
36	Infiltration Non-wetting Liquids into Nanoporous Media at Different Initial Degree of Filling. Physics Procedia, 2015, 72, 10-13.	1.2	0

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37	Effect of temperature on the transport of solvents through PTMSP under ultra-high pressures. Journal of Physics: Conference Series, 2016, 751, 012049.	0.4	0
38	The Distribution of Captured Non-Wetting Liquid Dispersed in Nanoporous Medium Recovery Method. Journal of Physics: Conference Series, 2016, 751, 012030.	0.4	0
39	Evolution of the filling pressure of the porous medium by non-wetting liquid at pulse pressure changes. Journal of Physics: Conference Series, 2016, 751, 012035.	0.4	0
40	Express Measurement of the Permeability of Solvents Through Nanoporous Membrane Materials and Barrier Films by Detection of Dynamic Pressure Reductions. Measurement Techniques, 2017, 59, 1065-1072.	0.6	0
41	The self-consistent model of the anomalously slow relaxation of the systems nonwetting liquid in nanoporous medium. International Journal of Modern Physics B, 2017, 31, 1750201.	2.0	0
42	Intellectual properties of a granular nanoporous medium in a non-wetting liquid.. Journal of Physics: Conference Series, 2018, 1099, 012026.	0.4	0
43	The law of a stretched exponential and the crossover of the behavior of a disordered nanoporous medium with a non-wetting liquid with its anomalously slow relaxation. Journal of Physics: Conference Series, 2018, 1099, 012022.	0.4	0
44	The Formation and Decay of an Unstable State of a Suspension of Hydrophobic Nanoporous Particles under Rapid Compression. Nanomaterials, 2021, 11, 102.	4.1	0
45	Cooperative Transport of a Nonwetting Liquid in a Random System of Pores. JETP Letters, 2021, 113, 378-383.	1.4	0
46	Outflow Kinetics of Chemical Solutions from Hydrophobized Nanostructural Silicon Compounds: Effect of Surface Tension. Pharmaceutical Chemistry Journal, 2021, 55, 194-196.	0.8	0
47	Pore-Surface Modification as a Method of Controlling the Relaxation of a Nonwetting Liquid Dispersed in a Nanoporous Medium. Journal of Surface Investigation, 2021, 15, 575-579.	0.5	0
48	Monitoring local configuration and anomalously slow relaxation of a nonergodic system of interacting liquid nanoclusters in a disordered confinement of a random porous medium. Journal of Physics: Conference Series, 2016, 751, 012033.	0.4	0