

Anton Belogorlov

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

372
citations

840776

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h-index

794594

19
g-index

48
all docs

48
docs citations

48
times ranked

167
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The Formation and Decay of an Unstable State of a Suspension of Hydrophobic Nanoporous Particles under Rapid Compression. <i>Nanomaterials</i> , 2021, 11, 102. | 4.1 | 0 |
| 2 | Nanostructured Porous Silicon Containers as Drug Carriers. <i>Pharmaceutical Chemistry Journal</i> , 2021, 54, 1063-1066. | 0.8 | 1 |
| 3 | Cooperative Transport of a Nonwetting Liquid in a Random System of Pores. <i>JETP Letters</i> , 2021, 113, 378-383. | 1.4 | 0 |
| 4 | Outflow Kinetics of Chemical Solutions from Hydrophobized Nanostructural Silicon Compounds: Effect of Surface Tension. <i>Pharmaceutical Chemistry Journal</i> , 2021, 55, 194-196. | 0.8 | 0 |
| 5 | Pore-Surface Modification as a Method of Controlling the Relaxation of a Nonwetting Liquid Dispersed in a Nanoporous Medium. <i>Journal of Surface Investigation</i> , 2021, 15, 575-579. | 0.5 | 0 |
| 6 | Fast Spontaneous Transport of a Non-wetting Fluid in a Disordered Nanoporous Medium. <i>Transport in Porous Media</i> , 2021, 139, 21-44. | 2.6 | 4 |
| 7 | Suspensions of lyophobic nanoporous particles as smart materials for energy absorption. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 229-242. | 9.4 | 2 |
| 8 | Interphase Surface Stability in Liquid-Liquid Membrane Contactors Based on Track-Etched Membranes. <i>Membranes</i> , 2021, 11, 949. | 3.0 | 1 |
| 9 | 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 |
| 10 | Intellectual properties of a granular nanoporous medium in a non-wetting liquid.. <i>Journal of Physics: Conference Series</i> , 2018, 1099, 012026. | 0.4 | 0 |
| 11 | 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. <i>Journal of Physics: Conference Series</i> , 2018, 1099, 012022. | 0.4 | 0 |
| 12 | Study of local configurations in the systems “disordered nanoporous medium “ non-wetting liquid”. <i>Journal of Physics: Conference Series</i> , 2018, 1099, 012023. | 0.4 | 3 |
| 13 | Phenomenon of non-outflow of a non-wetting liquid dispersed in nanoporous medium. The influence of modification and size of granules.. <i>Journal of Physics: Conference Series</i> , 2018, 1099, 012025. | 0.4 | 2 |
| 14 | Express Measurement of the Permeability of Solvents Through Nanoporous Membrane Materials and Barrier Films by Detection of Dynamic Pressure Reductions. <i>Measurement Techniques</i> , 2017, 59, 1065-1072. | 0.6 | 0 |
| 15 | Some Features of Pressure Evolution in Systems “Non-Wetting Liquid “ Nanoporous Medium” at Impact Intrusion. <i>Journal of Physics: Conference Series</i> , 2017, 829, 012020. | 0.4 | 1 |
| 16 | The self-consistent model of the anomalously slow relaxation of the systems nonwetting liquid” nanoporous medium. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750201. | 2.0 | 0 |
| 17 | Study of hydrophobized mesostructured material MCM-41-C1 by gas adsorption and liquid porometry methods. <i>Journal of Surface Investigation</i> , 2017, 11, 425-428. | 0.5 | 2 |
| 18 | Effect of temperature on the transport of solvents through PTMSP under ultra-high pressures. <i>Journal of Physics: Conference Series</i> , 2016, 751, 012049. | 0.4 | 0 |

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|----|--|-----|-----------|
| 19 | The Distribution of Captured Non-Wetting Liquid Dispersed in Nanoporous Medium Recovery Method. Journal of Physics: Conference Series, 2016, 751, 012030. | 0.4 | 0 |
| 20 | 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 |
| 21 | Anomalously slow relaxation of interacting liquid nanoclusters confined in a porous medium. Physical Review E, 2016, 93, 022142. | 2.1 | 21 |
| 22 | 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 |
| 23 | Stabilization of gas transport properties of PTMSP with porous aromatic framework: Effect of annealing. Journal of Membrane Science, 2016, 517, 80-90. | 8.2 | 53 |
| 24 | Observation of relaxation of the metastable state of a non-wetting liquid dispersed in a nanoporous medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 496, 63-68. | 4.7 | 15 |
| 25 | DISPERSION OF A NONWETTING LIQUID IN A DISORDERED NANOPOROUS MEDIUM. Journal of Porous Media, 2016, 19, 339-346. | 1.9 | 1 |
| 26 | 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 |
| 27 | 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 |
| 28 | Dispersion of a Nonwetting Liquid in a Disordered Nanoporous Medium. Physics Procedia, 2015, 72, 22-28. | 1.2 | 0 |
| 29 | Investigation of Permeability of Liquids through Nanoporous Membrane by DPD Method. Physics Procedia, 2015, 72, 29-32. | 1.2 | 0 |
| 30 | Infiltration Non-wetting Liquids into Nanoporous Media at Different Initial Degree of Filling. Physics Procedia, 2015, 72, 10-13. | 1.2 | 0 |
| 31 | Anomalously slow relaxation of a nonwetting liquid in the disordered confinement of a nanoporous medium. Journal of Experimental and Theoretical Physics, 2015, 121, 1027-1041. | 0.9 | 7 |
| 32 | States of a dispersed nonwetting liquid in a disordered nanoporous medium. International Journal of Modern Physics B, 2015, 29, 1550097. | 2.0 | 5 |
| 33 | 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 |
| 34 | Pore Geometry and Nonoutflow of the Nonwetting Liquid Dispersed in Nanoporous Medium. Physics Procedia, 2015, 72, 33-36. | 1.2 | 5 |
| 35 | Multiplicity of metastable nonergodic states of a dispersed nonwetting liquid in a disordered nanoporous medium. European Physical Journal B, 2014, 87, 1. | 1.5 | 9 |
| 36 | Fluctuations of the number of neighboring pores and appearance of multiple nonergodic states of a nonwetting liquid confined in a disordered nanoporous medium. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2888-2893. | 2.1 | 9 |

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|----|---|-----|-----------|
| 37 | Stability of a nonwetting liquid in a nanoporous medium. <i>Physica Scripta</i> , 2014, 89, 075705. | 2.5 | 3 |
| 38 | 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 |
| 39 | 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 |
| 40 | Critical Parameters of Hydrodynamic Flow of Alcohols Through The Dense PTMSP/PVTMS Membranes. <i>Procedia Engineering</i> , 2012, 44, 1196. | 1.2 | 0 |
| 41 | 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 |
| 42 | 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 |
| 43 | The infiltration of nonwetting liquid into nanoporous media and the thermal effect. <i>Journal of Physics: Conference Series</i> , 2011, 291, 012044. | 0.4 | 3 |
| 44 | Correlation effects during liquid infiltration into hydrophobic nanoporous media. <i>Journal of Experimental and Theoretical Physics</i> , 2011, 112, 385-400. | 0.9 | 21 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |