

Alexandr Belkin

List of Publications by Year in descending order

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22
papers

264
citations

1040056

9
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	On the thermal conductivity of nanofluids. <i>Technical Physics Letters</i> , 2010, 36, 660-662.	0.7	59
2	The simulation of transport processes using the method of molecular dynamics. Self-diffusion coefficient. <i>High Temperature</i> , 2008, 46, 30-39.	1.0	40
3	On the effective viscosity of nanosuspensions. <i>Technical Physics</i> , 2009, 54, 1102-1109.	0.7	40
4	Diffusion of Nanoparticles and Macromolecules in Dense Gases and Liquids. <i>High Temperature</i> , 2001, 39, 264-271.	1.0	23
5	The velocity autocorrelation function of nanoparticles in a hard-sphere molecular system. <i>Technical Physics Letters</i> , 2000, 26, 553-556.	0.7	16
6	Nanoparticle velocity relaxation in a condensed carrying medium. <i>Technical Physics Letters</i> , 2003, 29, 560-562.	0.7	15
7	Fluid viscosity under confined conditions. <i>Doklady Physics</i> , 2014, 59, 604-606.	0.7	12
8	Molecular dynamics simulation of water-based nanofluids viscosity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2983-2990.	3.6	12
9	About Fluids Structure in Microchannels. <i>International Journal of Multiphysics</i> , 2011, 5, 145-156.	0.1	12
10	Force acting on a nanoparticle in a fluid. <i>Technical Physics Letters</i> , 2008, 34, 76-78.	0.7	10
11	On the Effect of Nanoparticles on Fluid Structure. <i>Colloid Journal</i> , 2019, 81, 487-490.	1.3	9
12	On the nonclassical diffusion of molecules of liquid and dense gases. <i>Doklady Physics</i> , 2007, 52, 115-118.	0.7	7
13	Liquid-solid phase transition in a heterogeneous system of solid spheres. <i>Journal of Experimental and Theoretical Physics</i> , 1999, 89, 1086-1088.	0.9	2
14	Molecular Dynamics Simulation of Flows in Nanochannels. , 2008, , .		2
15	Fluid viscosity in nanochannels. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
16	Simulation of the transport processes in confined conditions. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	2
17	Transport Processes of Nanoparticles in Gases and Liquids. <i>Advanced Structured Materials</i> , 2010, , 135-168.	0.5	1
18	Effective Viscosity Coefficient of Nanosuspensions. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	Experimental study and molecular dynamics simulation of carbon nanotubes diffusion. Journal of Physics: Conference Series, 2021, 1959, 012039.	0.4	0
20	10.1007/s11455-008-1023-9. , 2010, 34, 76.		0
21	On the dynamic chaos of phase trajectories of the system of crystal atoms. Proceedings of the Russian Higher School Academy of Sciences, 2020, , 7-16.	0.1	0
22	On longitudinal and transversal diffusion of carbon nanotubes. Journal of Physics: Conference Series, 2021, 2131, 022069.	0.4	0