Boris Gelchinskii

List of Publications by Year
in descending order

14	66	1478505 6	1588992 8
papers	citations	h-index	g-index

15	15	15	45
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Statistical analysis of dimer formation in supersaturated metal vapor based on molecular dynamics simulation. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 147-155.	2.6	8
2	Ab initio molecular dynamics study of liquid sodium and cesium up to critical point. AIP Conference Proceedings, 2015, , .	0.4	4
3	Multiscale computer modeling of gas-phase synthesis of metal nanoparticles. Doklady Physical Chemistry, 2011, 436, 15-18.	0.9	4
4	Computer simulation of aluminum in the high-pressure range. High Temperature, 2011, 49, 656-666.	1.0	12
5	X-ray photoelectron spectroscopy of ultradispersed copper alloy powder surface after processing by fluorinated polyethers. Journal of Surface Investigation, 2011, 5, 447-453.	0.5	3
6	The effect of super- and nanodispersed powders of zinc and copper alloys in plastic greases on the structure and triboengineering properties of steel surfaces. Journal of Friction and Wear, 2011, 32, 107-112.	0.5	1
7	Application of embedded atom model to the liquid metals. Journal of Physics: Conference Series, 2008, 98, 042015.	0.4	0
8	Analysis of the electronic structure of liquid rubidium by the methods ofab initiomolecular dynamics, linear muffin-tin orbitals and recursion. Journal of Physics Condensed Matter, 2008, 20, 114104.	1.8	8
9	Simulation of liquid Rb by the methods of classical and first-principle molecular dynamics and statistical geometrical analysis of the atomic structure models using the Voronoi-Delaunay method. Journal of Physics: Conference Series, 2008, 98, 042023.	0.4	0
10	Simulation of atomic and electronic structure of liquid caesium by method of the first-principal molecular dynamics. Journal of Non-Crystalline Solids, 2007, 353, 3480-3483.	3.1	4
11	Sets of the potentials generating identical structures of non-crystalline systems. Journal of Non-Crystalline Solids, 2007, 353, 3515-3518.	3.1	6
12	The analysis of the short-range-order atomic structure of liquid metals by the Voronoi polyhedron method and a check of the adequacy of the results gained by the RMC method. Journal of Non-Crystalline Solids, 2002, 312-314, 90-94.	3.1	10
13	Computer simulations of vibrational spectra and sound velocity in liquid cesium up to the critical point. Journal of Non-Crystalline Solids, 2002, 312-314, 138-142.	3.1	0
14	Use of the Voronoi polyhedra method for analyzing short-range-order of liquid cesium and its reproducibility in reverse Monte Carlo modeling. Journal of Non-Crystalline Solids, 1999, 250-252, 40-44.	3.1	6