

# Boris Gelchinskii

## List of Publications by Year in descending order

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14  
papers

66  
citations

1478505

6  
h-index

1588992

8  
g-index

15  
all docs

15  
docs citations

15  
times ranked

45  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer simulation of aluminum in the high-pressure range. High Temperature, 2011, 49, 656-666.	1.0	12
2	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
3	Analysis of the electronic structure of liquid rubidium by the methods of <i>ab initio</i> molecular dynamics, linear muffin-tin orbitals and recursion. Journal of Physics Condensed Matter, 2008, 20, 114104.	1.8	8
4	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
5	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
6	Sets of the potentials generating identical structures of non-crystalline systems. Journal of Non-Crystalline Solids, 2007, 353, 3515-3518.	3.1	6
7	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
8	Multiscale computer modeling of gas-phase synthesis of metal nanoparticles. Doklady Physical Chemistry, 2011, 436, 15-18.	0.9	4
9	Ab initio molecular dynamics study of liquid sodium and cesium up to critical point. AIP Conference Proceedings, 2015, , .	0.4	4
10	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
11	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
12	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
13	Application of embedded atom model to the liquid metals. Journal of Physics: Conference Series, 2008, 98, 042015.	0.4	0
14	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