

Oleg V Ivanov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6060479/publications.pdf>

Version: 2024-02-01

16
papers

357
citations

933447

10
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear scaling solution of the Coulomb problem using wavelets. Solid State Communications, 1998, 105, 665-669.	1.9	61
2	Solution of Multiscale Partial Differential Equations Using Wavelets. Computers in Physics, 1998, 12, 548.	0.5	35
3	Frequency localization properties of the density matrix and its resulting hypersparsity in a wavelet representation. Physical Review B, 1999, 59, 7270-7273.	3.2	30
4	Generalized variational approach to Kim-Gordon electron gas theory for ionic crystals. Solid State Communications, 1996, 97, 163-167.	1.9	25
5	Microscopic calculations of phonons in polarizable-ion approach. Physical Review Letters, 1992, 69, 108-111.	7.8	24
6	Precursors of stall and surge processes in gas turbines revealed by wavelet analysis. Control Engineering Practice, 2002, 10, 599-604.	5.5	24
7	Lattice Dynamics Calculation of the Ionic Crystals with Ion Dipole and Quadrupole Deformations: Perovskite Structure Oxides. Ferroelectrics, 2003, 283, 49-60.	0.6	21
8	Molecular magnetism: Noncollinear ordering and spin dynamics. Journal of Applied Physics, 1999, 85, 4821-4823.	2.5	17
9	Structural phase diagram of BaBiO ₃ in the potential induced breathing model. Solid State Communications, 1990, 76, 1267-1272.	1.9	10
10	Microscopical calculations of lattice dynamics of ionic crystals and its dependence on the pressure. Solid State Communications, 1997, 101, 393-396.	1.9	9
11	Electronic polarizability of ionic crystals. Solid State Communications, 1992, 81, 69-71.	1.9	7
12	Primary radiation damage to graphite in different types of reactors. Atomic Energy, 2006, 100, 199-209.	0.4	4
13	Irradiation induced dimensional changes in graphite: The influence of sample size. Journal of Nuclear Materials, 2012, 420, 241-251.	2.7	3
14	Areoana analysis of the cell structure, using an example of reconstruction of leaf morphogenesis in paleozoic mosses of the order protosphagnales. Paleontological Journal, 2015, 49, 1645-1656.	0.5	3
15	System of matrix-vector equations in the multiconfiguration Hartree-Fock method. Bulletin of the Lebedev Physics Institute, 2010, 37, 284-290.	0.6	0
16	Multiscale simulation of the electronic structure of silicon nanoclusters. Bulletin of the Lebedev Physics Institute, 2013, 40, 132-135.	0.6	0