

Roman O Rezaev

List of Publications by Year in descending order

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papers

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1040056

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docs citations

23
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomembrane Quantum Light-Emitting Diodes Integrated onto Piezoelectric Actuators. <i>Advanced Materials</i> , 2012, 24, 2668-2672.	21.0	111
2	Monolithic Growth of Ultrathin Ge Nanowires on Si(001). <i>Physical Review Letters</i> , 2012, 109, 085502.	7.8	87
3	Three-Dimensional Superconducting Nanohelices Grown by He ⁺ -Focused-Ion-Beam Direct Writing. <i>Nano Letters</i> , 2019, 19, 8597-8604.	9.1	52
4	Tunable Generation of Correlated Vortices in Open Superconductor Tubes. <i>Nano Letters</i> , 2012, 12, 1282-1287.	9.1	41
5	Focusing of transition radiation and diffraction radiation from concave targets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 252, 44-49.	1.4	17
6	Different types of spin currents in the comprehensive materials database of nonmagnetic spin Hall effect. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	16
7	Engineering self-assembled SiGe islands for robust electron confinement in Si. <i>Physical Review B</i> , 2010, 82, .	3.2	15
8	Vortex dynamics controlled by pinning centers on Nb superconductor open microtubes. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 497, 1-5.	1.2	13
9	Topological transitions in superconductor nanomembranes under a strong transport current. <i>Communications Physics</i> , 2020, 3, .	5.3	11
10	Superconducting properties of nanostructured microhelices. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 395301.	1.8	10
11	Branching of the vortex nucleation period in superconductor Nb microtubes due to an inhomogeneous transport current. <i>Superconductor Science and Technology</i> , 2016, 29, 045014.	3.5	9
12	Topological transitions in ac/dc-driven superconductor nanotubes. <i>Scientific Reports</i> , 2022, 12, .	3.3	9
13	Simulation of dynamics of the order parameter in superconducting nanostructured materials: Effect of the magnetic field renormalization. <i>Low Temperature Physics</i> , 2020, 46, 325-330.	0.6	8
14	Voltage Induced by Superconducting Vortices in Open Nanostructured Microtubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800251.	2.4	7
15	Dynamics of the Abrikosov Vortices on Cylindrical Microtubes. <i>Russian Physics Journal</i> , 2015, 58, 623-628.	0.4	6
16	WD-XRA technique in multiphase flow measuring. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 355, 276-280.	1.4	4
17	Symmetry Operators for the Fokker-Plank-Kolmogorov Equation with Nonlocal Quadratic Nonlinearity. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 2007, , .	0.5	4
18	Monochromatic X-Ray Source for Dual-Wave X-Ray Absorptiometry. <i>Advanced Materials Research</i> , 0, 1084, 252-255.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Nonlinear Fokker-Planck-Kolmogorov Equation in the Semiclassical Coherent Trajectory Approximation. Russian Physics Journal, 2005, 48, 592-604.	0.4	0
20	Estimation of the sensitivity in dual wave X-ray absorptiometry. Journal of Physics: Conference Series, 2016, 732, 012032.	0.4	0
21	Using a plane wave approximation in simulation of radiation distribution in an X-ray Talbot interferometer. Bulletin of the Lebedev Physics Institute, 2017, 44, 350-352.	0.6	0