

Yuri Gorobets

List of Publications by Year in descending order

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55
papers

322
citations

1163117

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940533

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55
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docs citations

55
times ranked

296
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological origin of biogenic magnetic nanoparticles in health and disease: from bacteria to humans. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4371-4395.	6.7	38
2	Nickel Electrodeposition under Influence of Constant Homogeneous and High-Gradient Magnetic Field. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3373-3375.	3.1	37
3	Magnetization boundary conditions at a ferromagnetic interface of finite thickness. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 406001.	1.8	32
4	Quasi-stationary heterogeneous states of electrolyte at electrodeposition and etching process in a gradient magnetic field of a magnetized ferromagnetic ball. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 330, 76-80.	2.3	22
5	Formation of the band spectrum of spin waves in 1D magnonic crystals with different types of interfacial boundary conditions. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 094003.	2.8	18
6	Biogenic magnetic nanoparticles in human organs and tissues. <i>Progress in Biophysics and Molecular Biology</i> , 2018, 135, 49-57.	2.9	14
7	Spin wave collimation using a flat metasurface. <i>Nanoscale</i> , 2019, 11, 9743-9748.	5.6	12
8	Liquid-liquid phase separation occurring under the influence of inhomogeneous magnetic field in the process of the metal deposition and etching of the magnetized ferromagnetic ball. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3001-3012.	2.5	11
9	Magnetophoretic potential at the movement of cluster products of electrochemical reactions in an inhomogeneous magnetic field. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	8
10	Spin waves in a two-sublattice antiferromagnet. A self-similar solution of the Landau-Lifshitz equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 42, 52-61.	3.3	8
11	Chain-Like Structures of Biogenic and Nonbiogenic Magnetic Nanoparticles in Vascular Tissues. <i>Bioelectromagnetics</i> , 2022, 43, 119-143.	1.6	8
12	Some exact distributions of order parameter in antiferromagnetic and ferromagnetic media. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 280, 377-380.	2.3	7
13	Periodic microstructuring of iron cylinder surface in nitric acid in a magnetic field. <i>Applied Surface Science</i> , 2005, 252, 448-454.	6.1	7
14	Degeneration of magnetic states of the order parameter relative to the boundary conditions and discrete energy spectrum in ferromagnetic and antiferromagnetic nanotubes. <i>Chaos, Solitons and Fractals</i> , 2008, 36, 671-676.	5.1	7
15	Magnetic dipole interaction of endogenous magnetic nanoparticles with magnetoliposomes for targeted drug delivery. <i>Biophysics (Russian Federation)</i> , 2013, 58, 379-384.	0.7	7
16	3D analytical model of skyrmion-like structures in an antiferromagnet with DMI. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 507, 166800.	2.3	7
17	Movement of electrolyte at metal etching and deposition under a non-uniform steady magnetic field. <i>Magneto hydrodynamics</i> , 2014, 50, 317-332.	0.3	7
18	The prediction of biogenic magnetic nanoparticles biomineralization in human tissues and organs. <i>Journal of Physics: Conference Series</i> , 2017, 903, 012002.	0.4	6

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19	Boundary conditions at the interface of finite thickness between ferromagnetic and antiferromagnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 462, 226-229.	2.3	6
20	Magnetic Force Microscopy of the Ethmoid Bones of Migratory and Non-Migratory Fishes. <i>Acta Physica Polonica A</i> , 2018, 133, 734-737.	0.5	6
21	The effect of cooling on the bubble lattice structure. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 115, 204-206.	2.3	4
22	Domain-wall motion in antiferromagnets in microwave fields. <i>Physical Review B</i> , 1994, 49, 9608-9612.	3.2	4
23	Application of domain structures elements of ferrite-garnet films for transport of magnetic microparticles. <i>Journal of Applied Physics</i> , 2010, 108, 123902.	2.5	4
24	Influence of dynamic structure on the microstructure formation of a steel surface in the electrolyte in a steady magnetic field. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3686-3688.	0.8	3
25	Reflection of spin waves from a ferromagnetic multilayer with interfacial coupling of finite strength (reflection of spin waves from multilayer). <i>Open Physics</i> , 2008, 6, 7-13.	1.7	3
26	Cold Simulation of Particle Movement in a Conducting Liquid under Crossed Electric and Magnetic Fields. Magnetite Particles Separation from Molten Slags. <i>Steel Research International</i> , 2011, 82, 362-368.	1.8	3
27	Control of the Spin Wave Phase in Transmission through the Ultrathin Interface between Exchange Coupled Ferromagnetic Materials. <i>Acta Physica Polonica A</i> , 2018, 133, 480-482.	0.5	3
28	Detection of Biogenic Magnetic Nanoparticles in Human Aortic Aneurysms. <i>Acta Physica Polonica A</i> , 2018, 133, 738-741.	0.5	3
29	Magneto hydrodynamic mixer of an electrolyte solution. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3455-3457.	0.8	2
30	Velocity distribution in electrolyte in the vicinity of a metal cylinder in a steady magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2410-2412.	2.3	2
31	Oscillating dependence of the etched steel mass on the external magnetic field. <i>Bulletin of the Lebedev Physics Institute</i> , 2009, 36, 79-83.	0.6	2
32	Formation of nonlinear magnetization oscillations by spin waves transmission through the boundary of two uniaxial ferromagnets. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 4198-4201.	3.3	2
33	Influence of magnetostatic fields of a ferromagnetic substrate on the electrodeposition of nickel dendrites. <i>Physics of Metals and Metallography</i> , 2012, 113, 129-134.	1.0	2
34	Singular optics of spin waves in a two-sublattice antiferromagnet with uniaxial magnetic anisotropy. <i>Low Temperature Physics</i> , 2017, 43, 564-569.	0.6	2
35	Propagation of Spin Waves Through an Interface Between Ferromagnetic and Antiferromagnetic Materials. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3097-3102.	1.8	2
36	Topological characteristics of building blocks in the domain wall of an antiferromagnet with the Dzyaloshinskii-Moriya interaction. <i>Low Temperature Physics</i> , 2020, 46, 851-855.	0.6	2

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37	The Resonant Dynamic Magnetization Distribution in Ferromagnetic Thin Film with the Antidot. Acta Physica Polonica A, 2018, 133, 492-494.	0.5	2
38	Correlation between surface structure and magnetic properties of HTSC-ceramics. Chaos, Solitons and Fractals, 1996, 7, 91-92.	5.1	1
39	Fluctuation spectrum and stability of a complex cylindrical magnetic domain lattice. Physics of the Solid State, 1997, 39, 965-966.	0.6	1
40	Effect of a magnetic field on the etching of steel in nitric acid solutions. Russian Journal of Physical Chemistry A, 2006, 80, 791-794.	0.6	1
41	Dipole-exchange spin excitations in a thin ferromagnetic nanoshell. Open Physics, 2013, 11, .	1.7	1
42	Statistical characteristics of trajectories of diamagnetic unicellular organisms in a magnetic field. Progress in Biophysics and Molecular Biology, 2015, 117, 125-128.	2.9	1
43	Liquid-liquid phase separation of an electrolyte at metals deposition on the surface of a steel plate under the influence of two-domain magnetic system. Journal of Molecular Liquids, 2017, 235, 163-171.	4.9	1
44	Liquid-liquid phase separation and cluster formation at deposition of metals under inhomogeneous magnetic field. Journal of Physics: Conference Series, 2017, 903, 012057.	0.4	1
45	Liquid Biosystems in Gradient Magnetic Fields: Electrokinetic, Magnetophoretic and Orientation Effects. Springer Proceedings in Physics, 2022, , 317-341.	0.2	1
46	Excitation of Bulk Spin Waves by Acoustic Wave at the Plane Defect of a Ferromagnet. Acta Physica Polonica A, 2018, 133, 489-491.	0.5	1
47	Modification of surface structure in the magnetic film-magnetic tip system of a scanning tunneling microscope. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 303-304.	2.3	0
48	Distribution of Magnetization in the Vicinity of Point Defects in Ferromagnetics. Chaos, Solitons and Fractals, 1999, 10, 1549-1553.	5.1	0
49	Formation of directional fluid flows in a vicinity of high-gradient ferromagnetic beads in a permanent magnetic field. Journal of Molecular Liquids, 2003, 105, 265-268.	4.9	0
50	Intensification of biosorption of copper ions from solution by the yeast <i>Saccharomyces cerevisiae</i> in magnetic field. Biophysics (Russian Federation), 2006, 51, 452-456.	0.7	0
51	Dipole-exchange spin waves in a periodically layered ferromagnetic nanotube. , 2012, , .		0
52	Spin waves in an antiferromagnet: A similar solution of the Landau-Lifshitz equation. , 2014, , .		0
53	Spin waves in a ferromagnetic nanotube of an elliptic cross-section in the presence of a spin-polarized current. Open Physics, 2015, 13, .	1.7	0
54	Oscillating spin vortices in a two-sublattice uniaxial antiferromagnet. Low Temperature Physics, 2021, 47, 843-848.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Modeling of the Impact of Convection and Magnetic Field onto Electrodeposition and Functional Properties of CoRe Alloys. Journal of Physical Chemistry C, 0, , .	3.1	0