O Y Gorobets

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3789800/publications.pdf

Version: 2024-02-01

66	430	840776 11	839539 18
papers	citations	h-index	g-index

67	67	67	389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physiological origin of biogenic magnetic nanoparticles in health and disease: from bacteria to humans. International Journal of Nanomedicine, 2017, Volume 12, 4371-4395.	6.7	38
2	Nickel Electrodeposition under Influence of Constant Homogeneous and High-Gradient Magnetic Field. Journal of Physical Chemistry C, 2008, 112, 3373-3375.	3.1	37
3	Goos-HÃnchen shift of a spin-wave beam transmitted through anisotropic interface between two ferromagnets. Physical Review B, 2017, 95, .	3.2	36
4	Magnetization boundary conditions at a ferromagnetic interface of finite thickness. Journal of Physics Condensed Matter, 2014, 26, 406001.	1.8	32
5	Quasi-stationary heterogeneous states of electrolyte at electrodeposition and etching process in a gradient magnetic field of a magnetized ferromagnetic ball. Journal of Magnetism and Magnetic Materials, 2013, 330, 76-80.	2.3	22
6	Reflection and refraction of spin waves in uniaxial magnets in the geometrical-optics approximation. Technical Physics, 1998, 43, 188-191.	0.7	19
7	Formation of the band spectrum of spin waves in 1D magnonic crystals with different types of interfacial boundary conditions. Journal Physics D: Applied Physics, 2017, 50, 094003.	2.8	18
8	Controlling acoustic waves using magneto-elastic Fano resonances. Applied Physics Letters, 2019, 115, .	3.3	16
9	Biogenic magnetic nanoparticles in human organs and tissues. Progress in Biophysics and Molecular Biology, 2018, 135, 49-57.	2.9	14
10	Spin wave collimation using a flat metasurface. Nanoscale, 2019, 11, 9743-9748.	5.6	12
11	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. Journal of Solid State Electrochemistry, 2015, 19, 3001-3012.	2.5	11
12	Magnetophoretic potential at the movement of cluster products of electrochemical reactions in an inhomogeneous magnetic field. Journal of Applied Physics, 2015, 118, .	2.5	8
13	Goosâ€“HÃnchen Shift of a Spin-Wave Beam at the Interface Between Two Ferromagnets. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	8
14	Chainâ€Like Structures of Biogenic and Nonbiogenic Magnetic Nanoparticles in Vascular Tissues. Bioelectromagnetics, 2022, 43, 119-143.	1.6	8
15	Some exact distributions of order parameter in antiferromagnetic and ferromagnetic media. Journal of Magnetism and Magnetic Materials, 2004, 280, 377-380.	2.3	7
16	Class of exact three dimensional solutions of Landauâ€“Lifshitz equations in simply connected specimens of ferromagnets and antiferromagnets of arbitrary shape with uniaxial magnetic anisotropy. Chaos, Solitons and Fractals, 2005, 23, 1121-1124.	5.1	7
17	Periodic microstructuring of iron cylinder surface in nitric acid in a magnetic field. Applied Surface Science, 2005, 252, 448-454.	6.1	7
18	Degeneration of magnetic states of the order parameter relative to the boundary conditions and discrete energy spectrum in ferromagnetic and antiferromagnetic nanotubes. Chaos, Solitons and Fractals, 2008, 36, 671-676.	5.1	7

#	Article	IF	Citations
19	Magnetic dipole interaction of endogenous magnetic nanoparticles with magnetoliposomes for targeted drug delivery. Biophysics (Russian Federation), 2013, 58, 379-384.	0.7	7
20	3D analytical model of skyrmion-like structures in an antiferromagnet with DMI. Journal of Magnetism and Magnetic Materials, 2020, 507, 166800.	2.3	7
21	Movement of electrolyte at metal etching and deposition under a non-uniform steady magnetic field. Magnetohydrodynamics, 2014, 50, 317-332.	0.3	7
22	Boundary conditions at the interface of finite thickness between ferromagnetic and antiferromagnetic materials. Journal of Magnetism and Magnetic Materials, 2018, 462, 226-229.	2.3	6
23	Detection of biogenic magnetic nanoparticles in ethmoid bones of migratory and non-migratory fishes. SN Applied Sciences, 2019, 1, 1.	2.9	6
24	Influence of Biogenic Magnetic Nanoparticles on the Vesicular Transport. Acta Physica Polonica A, 2018, 133, 731-733.	0.5	6
25	Magnetic Force Microscopy of the Ethmoid Bones of Migratory and Non-Migratory Fishes. Acta Physica Polonica A, 2018, 133, 734-737.	0.5	6
26	Magnetic ordering in granular system. Physics of the Solid State, 2000, 42, 126-131.	0.6	5
27	Permanent magnetic field as an accelerator of chemical reaction and an initiator of rotational motion of electrolyte flows near thin steel wire. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2408-2409.	2.3	5
28	Hybrid magnetoacoustic metamaterials for ultrasound control. Applied Physics Letters, 2020, 117, .	3.3	5
29	Biogenic magnetic nanoparticles in lung, heart and liver. Functional Materials, 2017, 24, 005-408.	0.1	5
30	Intensification of the process of sorption of copper ions by yeast of Saccharomyces cerevisiae 1968 by means of a permanent magnetic field. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2413-2414.	2.3	4
31	Application of domain structures elements of ferrite-garnet films for transport of magnetic microparticles. Journal of Applied Physics, 2010, 108, 123902.	2.5	4
32	Electrolyteâ€“electrolyte phase separation under the influence of a DC magnetic field. Applied Nanoscience (Switzerland), 2019, 9, 859-863.	3.1	4
33	Electrolyte vortex flows induced by a steady-state magnetic field in the vicinity of a steel wire used as an accelerator of the chemical reaction rate. Magnetohydrodynamics, 2003, 39, 211-214.	0.3	4
34	Influence of dynamic structure on the microstructure formation of a steel surface in the electrolyte in a steady magnetic field. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3686-3688.	0.8	3
35	Cold Simulation of Particle Movement in a Conducting Liquid under Crossed Electric and Magnetic Fields. Magnetite Particles Separation from Molten Slags. Steel Research International, 2011, 82, 362-368.	1.8	3
36	Determination of Potential Producers of Biogenic Magnetic Nanoparticles Among the Fungi Representatives of Ascomycota and Basidiomycota Divisions. Innovative Biosystems and Bioengineering, 2018, 2, 232-245.	0.7	3

#	Article	IF	Citations
37	Detection of Biogenic Magnetic Nanoparticles in Human Aortic Aneurysms. Acta Physica Polonica A, 2018, 133, 738-741.	0.5	3
38	Magnetohydrodynamic mixer of an electrolyte solution. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3455-3457.	0.8	2
39	Velocity distribution in electrolyte in the vicinity of a metal cylinder in a steady magnetic field. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2410-2412.	2.3	2
40	Oscillating dependence of the etched steel mass on the external magnetic field. Bulletin of the Lebedev Physics Institute, 2009, 36, 79-83.	0.6	2
41	Formation of nonlinear magnetization oscillations by spin waves transmission through the boundary of two uniaxial ferromagnets. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 4198-4201.	3.3	2
42	Influence of magnetostatic fields of a ferromagnetic substrate on the electrodeposition of nickel dendrites. Physics of Metals and Metallography, 2012, 113, 129-134.	1.0	2
43	Singular optics of spin waves in a two-sublattice antiferromagnet with uniaxial magnetic anisotropy. Low Temperature Physics, 2017, 43, 564-569.	0.6	2
44	Propagation of Spin Waves Through an Interface Between Ferromagnetic and Antiferromagnetic Materials. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3097-3102.	1.8	2
45	Topological characteristics of building blocks in the domain wall of an antiferromagnet with the Dzyaloshinskiiâ€“Moriya interaction. Low Temperature Physics, 2020, 46, 851-855.	0.6	2
46	The Resonant Dynamic Magnetization Distribution in Ferromagnetic Thin Film with the Antidot. Acta Physica Polonica A, 2018, 133, 492-494.	0.5	2
47	Effect of Magnetic Field on Electrodeposition and Properties of Cobalt Superalloys. Journal of the Electrochemical Society, 2022, 169, 062507.	2.9	2
48	Fluctuation spectrum and stability of a complex cylindrical magnetic domain lattice. Physics of the Solid State, 1997, 39, 965-966.	0.6	1
49	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
50	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
51	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
52	Spin wave propagation through the interface between two ferromagnets without/with Dzyaloshinskiiâ€“Moriya interaction. Low Temperature Physics, 2021, 47, 493-496.	0.6	1
53	Liquid Biosystems in Gradient Magnetic Fields: Electrokinetic, Magnetophoretic and Orientation Effects. Springer Proceedings in Physics, 2022, , 317-341.	0.2	1
54	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

#	Article	IF	Citations
55	Static and dynamic properties of an isolated strip domain in a thin ferromagnetic film. Physics of the Solid State, 1998, 40, 243-247.	0.6	0
56	Distribution of Magnetization in the Vicinity of Point Defects in Ferromagnetics. Chaos, Solitons and Fractals, 1999, 10, 1549-1553.	5.1	0
57	Spiral magnetic configuration in a thin film with biaxial anisotropy. Journal of Experimental and Theoretical Physics, 2000, 91, 167-169.	0.9	0
58	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
59	Stationary flows of liquid in the vicinity of the small ferromagnetic particles in permanent homogeneous magnetic fields. Journal of Molecular Liquids, 2003, 105, 269-271.	4.9	0
60	Intensification of biosorption of copper ions from solution by the yeast Saccharomyces cerevisiae in magnetic field. Biophysics (Russian Federation), 2006, 51, 452-456.	0.7	0
61	Spin waves in an antiferromagnet: A similar solution of the Landau-Lifshitz equation. , 2014, , .		0
62	Goos-HÃnchen shift of a spin-wave beam in transmission through interface between two ferromagnets. , 2017, , .		0
63	Oscillating spin vortices in a two-sublattice uniaxial antiferromagnet. Low Temperature Physics, 2021, 47, 843-848.	0.6	0
64	ÐÐ¾Ð»ÑŒ Ð¿Ð°Ñ‚Ð¾Ð³ÐµÐ½Ð½Ð¸Ñ… Ð¼Ñ–ÐºÑ€Ð¾Ð¾Ñ€Ð³Ð°Ð½Ñ–Ð·Ð¼Ñ–Ð² Ñƒ Ð½Ð°Ð¿Ñ€ÑƒÐ¶ÐµÐ½Ð½Ñ– Ð±Ñ–Ð		
65	Spin-Polarized Current-Driven Ferromagnetic Domain Wall Motion with a Skyrmion-Like Building Block. Ukrainian Journal of Physics, 2020, 65, 919.	0.2	0
66	Ferromagnetic Resonance Features in Biological Objects Agaricus bisporus. , 2020, , .		0