

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
papers

430
citations

840776

11
h-index

839539

18
g-index

67
all docs

67
docs citations

67
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid Biosystems in Gradient Magnetic Fields: Electrokinetic, Magnetophoretic and Orientation Effects. Springer Proceedings in Physics, 2022, , 317-341.	0.2	1
2	Chain-Like Structures of Biogenic and Nonbiogenic Magnetic Nanoparticles in Vascular Tissues. Bioelectromagnetics, 2022, 43, 119-143.	1.6	8
3	Effect of Magnetic Field on Electrodeposition and Properties of Cobalt Superalloys. Journal of the Electrochemical Society, 2022, 169, 062507.	2.9	2
4	Spin wave propagation through the interface between two ferromagnets without/with Dzyaloshinskii-Moriya interaction. Low Temperature Physics, 2021, 47, 493-496.	0.6	1
5	Oscillating spin vortices in a two-sublattice uniaxial antiferromagnet. Low Temperature Physics, 2021, 47, 843-848.	0.6	0
6	Topological characteristics of building blocks in the domain wall of an antiferromagnet with the Dzyaloshinskii-Moriya interaction. Low Temperature Physics, 2020, 46, 851-855.	0.6	2
7	Hybrid magnetoacoustic metamaterials for ultrasound control. Applied Physics Letters, 2020, 117, .	3.3	5
8	3D analytical model of skyrmion-like structures in an antiferromagnet with DMI. Journal of Magnetism and Magnetic Materials, 2020, 507, 166800.	2.3	7
9	Spin-Polarized Current-Driven Ferromagnetic Domain Wall Motion with a Skyrmion-Like Building Block. Ukrainian Journal of Physics, 2020, 65, 919.	0.2	0
10	Ferromagnetic Resonance Features in Biological Objects Agaricus bisporus. , 2020, , .		0
11	Electrolyte-electrolyte phase separation under the influence of a DC magnetic field. Applied Nanoscience (Switzerland), 2019, 9, 859-863.	3.1	4
12	Detection of biogenic magnetic nanoparticles in ethmoid bones of migratory and non-migratory fishes. SN Applied Sciences, 2019, 1, 1.	2.9	6
13	Controlling acoustic waves using magneto-elastic Fano resonances. Applied Physics Letters, 2019, 115, .	3.3	16
14	Spin wave collimation using a flat metasurface. Nanoscale, 2019, 11, 9743-9748.	5.6	12
15	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
16	Biogenic magnetic nanoparticles in human organs and tissues. Progress in Biophysics and Molecular Biology, 2018, 135, 49-57.	2.9	14
17	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
18	The Resonant Dynamic Magnetization Distribution in Ferromagnetic Thin Film with the Antidot. Acta Physica Polonica A, 2018, 133, 492-494.	0.5	2

#	ARTICLE	IF	CITATIONS
19	Influence of Biogenic Magnetic Nanoparticles on the Vesicular Transport. <i>Acta Physica Polonica A</i> , 2018, 133, 731-733.	0.5	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	Determination of Potential Producers of Biogenic Magnetic Nanoparticles Among the Fungi Representatives of Ascomycota and Basidiomycota Divisions. <i>Innovative Biosystems and Bioengineering</i> , 2018, 2, 232-245.	0.7	3
22	Excitation of Bulk Spin Waves by Acoustic Wave at the Plane Defect of a Ferromagnet. <i>Acta Physica Polonica A</i> , 2018, 133, 489-491.	0.5	1
23	Detection of Biogenic Magnetic Nanoparticles in Human Aortic Aneurysms. <i>Acta Physica Polonica A</i> , 2018, 133, 738-741.	0.5	3
24	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
25	Goos-Hänchen Shift of a Spin-Wave Beam at the Interface Between Two Ferromagnets. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	8
26	Goos-Hänchen shift of a spin-wave beam transmitted through anisotropic interface between two ferromagnets. <i>Physical Review B</i> , 2017, 95, .	3.2	36
27	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
28	Liquid-liquid phase separation and cluster formation at deposition of metals under inhomogeneous magnetic field. <i>Journal of Physics: Conference Series</i> , 2017, 903, 012057.	0.4	1
29	Goos-Hänchen shift of a spin-wave beam in transmission through interface between two ferromagnets. , 2017, , .		0
30	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
31	Biogenic magnetic nanoparticles in lung, heart and liver. <i>Functional Materials</i> , 2017, 24, 005-408.	0.1	5
32	ÐÐ¼Ð»ÑCE Ð¿Ð°Ñ,Ð¾¼Ð³Ð¼Ð½Ð½Ð½Ð½... Ð¼¼Ñ-Ð°ÑCEÐ¾¼Ð¾¼ÑCEÐ³Ð°Ð½-Ð·Ð¼¼Ñ-Ð² Ñf Ð½Ð°Ð°Ð¾¼Ð¿;Ð½fÐ¼Ð½Ð½Ð½- Ð±Ñ-Ð		
33	Statistical characteristics of trajectories of diamagnetic unicellular organisms in a magnetic field. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 117, 125-128.	2.9	1
34	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
35	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
36	Magnetization boundary conditions at a ferromagnetic interface of finite thickness. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 406001.	1.8	32

#	ARTICLE	IF	CITATIONS
37	Spin waves in an antiferromagnet: A similar solution of the Landau-Lifshitz equation. , 2014, , .		0
38	Movement of electrolyte at metal etching and deposition under a non-uniform steady magnetic field. Magnetohydrodynamics, 2014, 50, 317-332.	0.3	7
39	Magnetic dipole interaction of endogenous magnetic nanoparticles with magnetoliposomes for targeted drug delivery. Biophysics (Russian Federation), 2013, 58, 379-384.	0.7	7
40	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
41	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
42	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
43	Application of domain structures elements of ferrite-garnet films for transport of magnetic microparticles. Journal of Applied Physics, 2010, 108, 123902.	2.5	4
44	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
45	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
46	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
47	Nickel Electrodeposition under Influence of Constant Homogeneous and High-Gradient Magnetic Field. Journal of Physical Chemistry C, 2008, 112, 3373-3375.	3.1	37
48	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
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	Class of exact three dimensional solutions of Landau-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
51	Periodic microstructuring of iron cylinder surface in nitric acid in a magnetic field. Applied Surface Science, 2005, 252, 448-454.	6.1	7
52	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
53	Magnetohydrodynamic mixer of an electrolyte solution. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3455-3457.	0.8	2
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Intensification of the process of sorption of copper ions by yeast of <i>Saccharomyces cerevisiae</i> 1968 by means of a permanent magnetic field. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2413-2414.	2.3	4
57	Some exact distributions of order parameter in antiferromagnetic and ferromagnetic media. Journal of Magnetism and Magnetic Materials, 2004, 280, 377-380.	2.3	7
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	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. Magneto hydrodynamics, 2003, 39, 211-214.	0.3	4
61	Magnetic ordering in granular system. Physics of the Solid State, 2000, 42, 126-131.	0.6	5
62	Spiral magnetic configuration in a thin film with biaxial anisotropy. Journal of Experimental and Theoretical Physics, 2000, 91, 167-169.	0.9	0
63	Distribution of Magnetization in the Vicinity of Point Defects in Ferromagnetics. Chaos, Solitons and Fractals, 1999, 10, 1549-1553.	5.1	0
64	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
65	Reflection and refraction of spin waves in uniaxial magnets in the geometrical-optics approximation. Technical Physics, 1998, 43, 188-191.	0.7	19
66	Fluctuation spectrum and stability of a complex cylindrical magnetic domain lattice. Physics of the Solid State, 1997, 39, 965-966.	0.6	1