

Larissa Panina

List of Publications by Year in descending order

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29
papers

1,356
citations

623734

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27
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docs citations

29
times ranked

823
citing authors

#	ARTICLE	IF	CITATIONS
1	Field-dependent surface impedance tensor in amorphous wires with two types of magnetic anisotropy: Helical and circumferential. <i>Physical Review B</i> , 2001, 63, .	3.2	223
2	On the state of the art in magnetic microwires and expected trends for scientific and technological studies. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 493-501.	1.8	215
3	Ultrasensitive Magnetic Field Sensors for Biomedical Applications. <i>Sensors</i> , 2020, 20, 1569.	3.8	122
4	Synthesis of barium ferrite nanoparticles using rhizome extract of <i>Acorus Calamus</i> : Characterization and its efficacy against different plant phytopathogenic fungi. <i>Nano Structures Nano Objects</i> , 2020, 24, 100599.	3.5	104
5	Field dependent permittivity of composite materials containing ferromagnetic wires. <i>Journal of Applied Physics</i> , 2003, 93, 4120-4129.	2.5	99
6	Experimental demonstration of tunable scattering spectra at microwave frequencies in composite media containing CoFeCrSiB glass-coated amorphous ferromagnetic wires and comparison with theory. <i>Physical Review B</i> , 2006, 74, .	3.2	93
7	Optomagnetic composite medium with conducting nanoelements. <i>Physical Review B</i> , 2002, 66, .	3.2	89
8	Recent Advances of Amorphous Wire CMOS IC Magneto-Impedance Sensors: Innovative High-Performance Micromagnetic Sensor Chip. <i>Journal of Sensors</i> , 2015, 2015, 1-8.	1.1	84
9	Asymmetrical magnetoimpedance in as-cast CoFeSiB amorphous wires due to ac bias. <i>Applied Physics Letters</i> , 2000, 77, 121-123.	3.3	56
10	Valve-like behavior of the magnetoimpedance in the GHz range. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1855-1857.	2.3	41
11	Measurement of field-dependent surface impedance tensor in amorphous wires with circumferential anisotropy. <i>Journal of Applied Physics</i> , 2000, 87, 4804-4806.	2.5	33
12	Asymmetric magnetoimpedance in self-biased layered CoFe/CoNi microwires. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	30
13	Microwave metamaterials with ferromagnetic microwires. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 653-657.	2.3	30
14	Effect of transition layers on the electromagnetic properties of composites containing conducting fibres. <i>Physical Review B</i> , 2001, 64, .	3.2	18
15	HTSC Maglev Systems for IFE Target Transport Applications. <i>Journal of Russian Laser Research</i> , 2014, 35, 151-168.	0.6	16
16	Temperature dependence of the off-diagonal magnetoimpedance in sensor configuration utilizing Co-rich amorphous wires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 372-376.	1.8	14
17	Surface impedance tensor in amorphous wires with helical anisotropy: Magnetic hysteresis and asymmetry. <i>Journal of Applied Physics</i> , 2001, 89, 7224-7226.	2.5	12
18	Soft Magnetic Amorphous Microwires for Stress and Temperature Sensory Applications. <i>Sensors</i> , 2019, 19, 5089.	3.8	12

#	ARTICLE	IF	CITATIONS
19	Direct Magnetoelectric Effect in a Sandwich Structure of PZT and Magnetostrictive Amorphous Microwires. <i>Materials</i> , 2020, 13, 916.	2.9	12
20	High Performance Current Sensor Utilizing Pulse Magneto-Impedance in Co-Based Amorphous Wires. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 89-92.	2.1	11
21	Hard Magnetic Properties of Co-Rich Microwires Crystallized by Current Annealing. <i>IEEE Magnetics Letters</i> , 2020, 11, 1-5.	1.1	8
22	Directed crystallization of glass-coated microwires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 384-389.	1.8	7
23	Structural and magnetic anisotropy of directionally-crystallized ferromagnetic microwires. <i>EPJ Web of Conferences</i> , 2018, 185, 04022.	0.3	7
24	An Indirect Method of Micromagnetic Structure Estimation in Microwires. <i>Nanomaterials</i> , 2021, 11, 274.	4.1	7
25	Functional magnetoelectric composites with magnetostrictive microwires. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	4
26	Innovative Gold/Cobalt Ferrite Nanocomposite: Physicochemical and Cytotoxicity Properties. <i>Processes</i> , 2021, 9, 2264.	2.8	4
27	1D-nanomaterials in Fe-group metals obtained by synthesis in the pores of polymer templates: correlation of structure, magnetic and transport properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , 2100538.	1.8	3
28	Stress Effects on Magnetic Properties of Amorphous Microwires Subjected to Current Annealing. <i>EPJ Web of Conferences</i> , 2018, 185, 04030.	0.3	2
29	Microwave permittivity and permeability of magnetic wire composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1019-1029.	1.8	0