

Viacheslav Popov

List of Publications by Year in descending order

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papers

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1478505

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docs citations

16
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122
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress tunable microwave absorption of ferromagnetic microwires for sensing applications. Journal of Alloys and Compounds, 2011, 509, 9508-9512.	5.5	32
2	Stress-induced magnetic hysteresis in amorphous microwires probed by microwave giant magnetoimpedance measurements. Journal of Applied Physics, 2013, 113, .	2.5	24
3	Stress tunable properties of ferromagnetic microwires and their multifunctional composites. Journal of Applied Physics, 2011, 109, 07A310.	2.5	21
4	Measuring the Impedance of Magnetic Microwires in a Rectangular Waveguide. Technical Physics Letters, 2005, 31, 959.	0.7	13
5	Influence of direct bias current on the electromagnetic properties of melt-extracted microwires and their composites. Applied Physics Letters, 2014, 104, 012901.	3.3	10
6	Vector magneto-optical sensor based on transparent magnetic films with cubic crystallographic symmetry. Applied Physics Letters, 2016, 109, .	3.3	10
7	A Core-Shell Model for Magnetoimpedance in Stress-Annealed Fe-Rich Amorphous Microwires. Journal of Superconductivity and Novel Magnetism, 2021, 34, 169-177.	1.8	5
8	Determining the contribution of higher modes to the impedance of magnetic microwires measured using the waveguide method. Technical Physics Letters, 2006, 32, 871-872.	0.7	4
9	Studies of giant magnetoimpedance effect of Co-rich microwires in wide frequency range. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 671-673.	1.8	3
10	Understanding of double-curvature shaped magnetoimpedance profiles in Joule-annealed and tensioned microwires at 8-12GHz. Journal of Applied Physics, 2015, 117, 17A322.	2.5	2
11	A multiresonance method for measuring the reflection coefficient in a waveguide. Instruments and Experimental Techniques, 2005, 48, 78-84.	0.5	1
12	The effect of elastic stresses on super-high-frequency magnetic impedance of amorphous magnetic microwires. Technical Physics Letters, 2012, 38, 719-722.	0.7	1
13	Microwire-based analog of a quarter-wavelength radioabsorber. Radioelectronics and Communications Systems, 2013, 56, 285-289.	0.5	1
14	Compensation for the Effect of the Natural Reflection Coefficient of a Directional Coupler in the Multiresonance Method for Measuring the Reflection Coefficient in a Waveguide. Instruments and Experimental Techniques, 2005, 48, 730-733.	0.5	0
15	Resonance method for measuring the reflection and transmission coefficients of directional coupler. , 2005, , .		0
16	A resonance method of measuring the reflection and transmission coefficients of a directional coupler. Measurement Techniques, 2007, 50, 329-336.	0.6	0