Viacheslav Popov

List of Publications by Year
in descending order

16	127	1478505 6	1199594 12
papers	citations	h-index	g-index

16	16	16	122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Coreâ€“Shell Model for Magnetoimpedance in Stress-Annealed Fe-Rich Amorphous Microwires. Journal of Superconductivity and Novel Magnetism, 2021, 34, 169-177.	1.8	5
2	Vector magneto-optical sensor based on transparent magnetic films with cubic crystallographic symmetry. Applied Physics Letters, 2016, 109, .	3.3	10
3	Understanding of double-curvature shaped magnetoimpedance profiles in Joule-annealed and tensioned microwires at 8â€“12â€‰GHz. Journal of Applied Physics, 2015, 117, 17A322.	2.5	2
4	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
5	Microwire-based analog of a quarter-wavelength radioabsorber. Radioelectronics and Communications Systems, 2013, 56, 285-289.	0.5	1
6	Stress-induced magnetic hysteresis in amorphous microwires probed by microwave giant magnetoimpedance measurements. Journal of Applied Physics, 2013, 113, .	2.5	24
7	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
8	Stress tunable microwave absorption of ferromagnetic microwires for sensing applications. Journal of Alloys and Compounds, 2011, 509, 9508-9512.	5.5	32
9	Stress tunable properties of ferromagnetic microwires and their multifunctional composites. Journal of Applied Physics, 2011, 109, 07A310.	2.5	21
10	Studies of giant magnetoimpedance effect of Coâ€rich microwires in wide frequency range. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 671-673.	1.8	3
11	A resonance method of measuring the reflection and transmission coefficients of a directional coupler. Measurement Techniques, 2007, 50, 329-336.	0.6	0
12	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
13	Measuring the Impedance of Magnetic Microwires in a Rectangular Waveguide. Technical Physics Letters, 2005, 31, 959.	0.7	13
14	A multiresonance method for measuring the reflection coefficient in a waveguide. Instruments and Experimental Techniques, 2005, 48, 78-84.	0.5	1
15	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
16	Resonance method for measuring the reflection and transmission coefficients of directional coupler. , 2005, , .		0