Ivan V Lisenkov

List of Publications by Year
in descending order

24 papers	1,002 citations	623574 14 h-index	610775 24 g-index
25 all docs	25 docs citations	25 times ranked	1064 citing authors

#	Article	IF	Citations
1	Antiferromagnetic THz-frequency Josephson-like Oscillator Driven by Spin Current. Scientific Reports, 2017, 7, 43705.	1.6	207
2	Magnonics: a new research area in spintronics and spin wave electronics. Physics-Uspekhi, 2015, 58, 1002-1028.	0.8	174
3	Transformation of spin current by antiferromagnetic insulators. Physical Review B, 2016, 93, .	1.1	88
4	Nonreciprocal Surface Acoustic Waves in Multilayers with Magnetoelastic and Interfacial Dzyaloshinskii-Moriya Interactions. Physical Review Applied, 2018, 9, .	1.5	74
5	Nonreciprocity of spin waves in metallized magnonic crystal. New Journal of Physics, 2013, 15, 113023.	1.2	69
6	Ultra-fast artificial neuron: generation of picosecond-duration spikes in a current-driven antiferromagnetic auto-oscillator. Scientific Reports, 2018, 8, 15727.	1.6	61
7	Giant nonreciprocity of surface acoustic waves enabled by the magnetoelastic interaction. Science Advances, 2020, 6, .	4.7	59
8	Spin-wave edge modes in finite arrays of dipolarly coupled magnetic nanopillars. Physical Review B, 2014, 90, .	1.1	47
9	Ultra-fast logic devices using artificial â€œneuronsâ€•based on antiferromagnetic pulse generators. Journal of Applied Physics, 2018, 124, .	1.1	36
10	Subterahertz ferrimagnetic spin-transfer torque oscillator. Physical Review B, 2019, 100, .	1.1	34
11	Bias-free spin-wave phase shifter for magnonic logic. AIP Advances, 2016, 6, 065103.	0.6	28
12	Theoretical formalism for collective spin-wave edge excitations in arrays of dipolarly interacting magnetic nanodots. Physical Review B, 2016, 93, .	1.1	28
13	Magnon-magnon interactions in a room-temperature magnonic Bose-Einstein condensate. Physical Review B, 2017, 96, .	1.1	28
14	Nonreciprocity of edge modes in 1D magnonic crystal. Journal of Magnetism and Magnetic Materials, 2015, 378, 313-319.	1.0	21
15	Edge rotational magnons in magnonic crystals. Applied Physics Letters, 2013, 103, .	1.5	14
16	Elastic wave propagation in a microstructured acoustic fiber. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1831-1839.	1.7	6
17	Frequency separation of surface acoustic waves in layered structures with acoustic metamaterials. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 239-251.	1.0	6
18	Interaction of Microwave Photons with Nanostructured Magnetic Metasurfaces. Physical Review Applied, 2016, 5, .	1.5	5

#	Article	IF	Citations
19	Acoustic wave propagation in fluid metamaterial with solid inclusions. Applied Physics A: Materials Science and Processing, 2011, 103, 921-925.	1.1	4
20	Electrodynamic boundary conditions for planar arrays of thin magnetic elements. Applied Physics Letters, 2015, 107, 082405.	1.5	4
21	The complex Doppler effect in double negative media. Journal of Communications Technology and Electronics, 2011, 56, 687-689.	0.2	3
22	Propagation of elastic waves in phononic crystals. Journal of Communications Technology and Electronics, 2007, 52, 1037-1048.	0.2	1
23	Correlation of Binary-Code-Modulated Microwave Signals by Parametric Pumping of Spin Waves. IEEE Magnetics Letters, 2020, 11, 1-5.	0.6	1
24	Bulk and surface acoustic waves in double negative metamaterial. , 2009, , .		0