

Ivan V Lisenkov

List of Publications by Year in descending order

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24
papers

1,002
citations

623574

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610775

24
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all docs

25
docs citations

25
times ranked

1064
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of Binary-Code-Modulated Microwave Signals by Parametric Pumping of Spin Waves. IEEE Magnetics Letters, 2020, 11, 1-5.	0.6	1
2	Giant nonreciprocity of surface acoustic waves enabled by the magnetoelastic interaction. Science Advances, 2020, 6, .	4.7	59
3	Subterahertz ferrimagnetic spin-transfer torque oscillator. Physical Review B, 2019, 100, .	1.1	34
4	Ultra-fast logic devices using artificial "neurons" based on antiferromagnetic pulse generators. Journal of Applied Physics, 2018, 124, .	1.1	36
5	Ultra-fast artificial neuron: generation of picosecond-duration spikes in a current-driven antiferromagnetic auto-oscillator. Scientific Reports, 2018, 8, 15727.	1.6	61
6	Nonreciprocal Surface Acoustic Waves in Multilayers with Magnetoelastic and Interfacial Dzyaloshinskii-Moriya Interactions. Physical Review Applied, 2018, 9, .	1.5	74
7	Antiferromagnetic THz-frequency Josephson-like Oscillator Driven by Spin Current. Scientific Reports, 2017, 7, 43705.	1.6	207
8	Magnon-magnon interactions in a room-temperature magnonic Bose-Einstein condensate. Physical Review B, 2017, 96, .	1.1	28
9	Bias-free spin-wave phase shifter for magnonic logic. AIP Advances, 2016, 6, 065103.	0.6	28
10	Interaction of Microwave Photons with Nanostructured Magnetic Metasurfaces. Physical Review Applied, 2016, 5, .	1.5	5
11	Transformation of spin current by antiferromagnetic insulators. Physical Review B, 2016, 93, .	1.1	88
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	Magnonics: a new research area in spintronics and spin wave electronics. Physics-Uspekhi, 2015, 58, 1002-1028.	0.8	174
14	Electrodynamic boundary conditions for planar arrays of thin magnetic elements. Applied Physics Letters, 2015, 107, 082405.	1.5	4
15	Nonreciprocity of edge modes in 1D magnonic crystal. Journal of Magnetism and Magnetic Materials, 2015, 378, 313-319.	1.0	21
16	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
17	Spin-wave edge modes in finite arrays of dipolarly coupled magnetic nanopillars. Physical Review B, 2014, 90, .	1.1	47
18	Nonreciprocity of spin waves in metallized magnonic crystal. New Journal of Physics, 2013, 15, 113023.	1.2	69

#	ARTICLE	IF	CITATIONS
19	Edge rotational magnons in magnonic crystals. Applied Physics Letters, 2013, 103, .	1.5	14
20	The complex Doppler effect in double negative media. Journal of Communications Technology and Electronics, 2011, 56, 687-689.	0.2	3
21	Acoustic wave propagation in fluid metamaterial with solid inclusions. Applied Physics A: Materials Science and Processing, 2011, 103, 921-925.	1.1	4
22	Bulk and surface acoustic waves in double negative metamaterial. , 2009, , .		0
23	Elastic wave propagation in a microstructured acoustic fiber. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1831-1839.	1.7	6
24	Propagation of elastic waves in phononic crystals. Journal of Communications Technology and Electronics, 2007, 52, 1037-1048.	0.2	1