Evgeny Vilkov

List of Publications by Year in descending order

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44	113	1478505	1474206
papers	citations	6 h-index	9 g-index

44	44	44	38
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ensembles of Layered Nanowires, Obtained by Matrix Synthesis Technique, for Generation of THz Irradiation. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	1
2	Magnetic domain wall motion driven by an acoustic wave. Ultrasonics, 2022, 119, 106588.	3.9	4
3	Investigations of the transmission and reflection spectra of THz radiation of magnetic metallic nanowires. , 2022, , .		1
4	Magnetization Excitation in FeMn Antiferromagnetic Film by Injection of Spins With Current in Thin-Film THz Emitters Structures. IEEE Transactions on Magnetics, 2022, 58, 1-10.	2.1	0
5	Quasi-one-dimensional chains of magnetic tunnel junctions as a source of THz radiation. AIP Conference Proceedings, 2021, , .	0.4	0
6	Study of the Morphology and Magnetic Properties of Fe Island Films with Antiferromagnetic Layers. Journal of Surface Investigation, 2021, 15, 128-138.	0.5	0
7	Electromagnetic Radiation under Spin Injection in a Tunnel Magnetic Junction with a NiO Spacer. Journal of Communications Technology and Electronics, 2021, 66, 459-464.	0.5	1
8	THz radiation spectra in magnetic Fe/Mo and Fe/Co₂FeAl junctions. Journal of Physics: Conference Series, 2021, 2036, 012024.	0.4	0
9	Terahertz Radiation in the Fe/Mo Magnetic Transition. Physics of the Solid State, 2021, 63, 1574-1578.	0.6	0
10	Frequency of Spin-Injection Radiation in the Magnetic Junction as a Function of the Spin Mobility of Electrons. Physics of the Solid State, 2020, 62, 1671-1677.	0.6	3
11	Injectional Equilibrium Spin Polarization in a Magnetic Transition, Taking into Account the Electron Spin Mobility. Journal of Communications Technology and Electronics, 2020, 65, 1046-1052.	0.5	0
12	Effect of a Potential Jump in a Magnetic Junction upon Spin Injection by an Electric Current on the Effectiveness of Electromagnetic Wave Radiation. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 61-65.	0.6	0
13	Dynamics of Spatially Inhomogeneous Spin Polarization of Nonequilibrium Conduction Electrons in Magnetic Transitions. Physics of the Solid State, 2019, 61, 941-951.	0.6	4
14	Generation of Terahertz Radiation in Magnetic Junctions Based on Nanowires. Technical Physics Letters, 2019, 45, 271-273.	0.7	9
15	Spin Polarization of Nonequilibrium Conduction Electrons in Magnetic Junctions. Journal of Communications Technology and Electronics, 2019, 64, 1422-1430.	0.5	3
16	Spin Polarization Dynamics of Nonequilibrium Conduction Electrons in Magnetic Junctions. Journal of Experimental and Theoretical Physics, 2018, 127, 1022-1032.	0.9	8
17	Generation of Terahertz Radiation Spectra by Radiation Sources Based on Solid-State Micro- and Nanostructures and Detection of Terahertz Spectra. Journal of Communications Technology and Electronics, 2018, 63, 1015-1026.	0.5	4
18	Increasing the Efficiency of Terahertz Generation during the Current Flow through Magnetic Junctions Formed by Inhomogeneous Ultrathin Films of a Ferromagnetic Metal. Journal of Communications Technology and Electronics, 2018, 63, 928-932.	0.5	4

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19	Frequency tuning of the spin-injection radiation in the magnetic contact junction. Journal of Communications Technology and Electronics, 2016, 61, 995-1002.	0.5	16
20	Stimulated terahertz emission. Journal of Communications Technology and Electronics, 2015, 60, 1016-1019.	0.5	5
21	A spin-injection terahertz generator based on the metatransition monolithic structure. Journal of Communications Technology and Electronics, 2015, 60, 1044-1047.	0.5	6
22	The magnetostatic field in a terahertz rod/film structure. Journal of Communications Technology and Electronics, 2014, 59, 1265-1273.	0.5	2
23	sd-Exchange electron spin resonance in a ferromagnetic metal. JETP Letters, 2014, 100, 174-176.	1.4	2
24	Spin-injection stimulated emission of terahertz waves in magnetic junctions. JETP Letters, 2014, 99, 508-511.	1.4	7
25	Spin-injection radiation of terahertz waves in ferromagnetic structures. Doklady Physics, 2013, 58, 347-348.	0.7	5
26	sd-Exchange emission in ferromagnetic junctions. Journal of Communications Technology and Electronics, 2013, 58, 1137-1141.	0.5	8
27	Detection and generation of submillimeter and terahertz modes in ferromagnet-antiferromagnet junctions. JETP Letters, 2013, 98, 96-100.	1.4	6
28	Magnetostatic waves in the gap between two ferromagnetic films that move relative to each other. Journal of Communications Technology and Electronics, 2012, 57, 1187-1193.	0.5	0
29	Tunneling of magnetoacoustic waves through a gap in ferromagnetic crystals with a relative longitudinal displacement. Physics of the Solid State, 2011, 53, 504-509.	0.6	0
30	Electroacoustic waves confined by a moving domain wall superlattice of a ferroelectric crystal. Acoustical Physics, 2010, 56, 840-847.	1.0	1
31	Magnetostatic waves in the gap of ferromagnetic crystals with relative longitudinal displacement. Technical Physics, 2010, 55, 890-892.	0.7	2
32	Electroacoustic waves of a moving domain wall superlattice in a ferroelectric crystal. Technical Physics Letters, 2009, 35, 326-330.	0.7	1
33	Magnetoelastic wave tunneling via a gap between ferroelectric crystals with relative longitudinal displacement. Technical Physics Letters, 2009, 35, 876-878.	0.7	1
34	Reflection of electroacoustic waves from a system of moving domain walls in a ferroelectric. Physics of the Solid State, 2009, 51, 343-350.	0.6	1
35	Shear waves in a ferroelectric with a moving periodic domain structure. Journal of Communications Technology and Electronics, 2008, 53, 443-452.	0.5	0
36	Spectral properties of electroacoustic waves in a ferroelectric with a moving periodic domain structure. Physics of the Solid State, 2008, 50, 1519-1526.	0.6	2

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37	Spectrum of magnetostatic waves in a ferromagnet with a moving superlattice of domain walls. Physics of the Solid State, 2006, 48, 1754-1759.	0.6	4
38	Interaction of a Shear Wave with a Moving Domain Wall in a Ferromagnetic Crystal with Allowance for the External Magnetic Field. Acoustical Physics, 2005, 51, 524.	1.0	0
39	Efficiency of shear surface wave transformation by the motion of the confining domain wall. Technical Physics, 2003, 48, 354-360.	0.7	0
40	Shear Surface Wave on a Moving Bloch Wall. Radiophysics and Quantum Electronics, 2001, 44, 656-667.	0.5	0
41	Interaction of a shear wave with a moving domain wall in an iron garnet crystal. Acoustical Physics, 2001, 47, 160-168.	1.0	0
42	A noncollinear shear surface wave on a moving domain boundary in a ferromagnet. Technical Physics Letters, 2001, 27, 728-730.	0.7	0
43	On the interaction of a shear wave with a moving domain wall in a nonlinear response of the spin subsystem. Physics of the Solid State, 2000, 42, 1081-1086.	0.6	0
44	Magnetostatic surface waves on a moving domain boundary in a garnet ferrite crystal. Technical Physics Letters, 2000, 26, 907-909.	0.7	2