

Andrii S Savchenko

List of Publications by Year in descending order

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papers

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all docs

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docs citations

43
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the magnetization fine structure of a lattice of Bloch-type skyrmions in an FeGe thin film. Applied Physics Letters, 2017, 111, 192410.	3.3	26
2	Electric-field control of spin-wave power flow and caustics in thin magnetic films. Physical Review B, 2018, 98, .	3.2	23
3	Electric field-induced localization of the magnetic TM polariton near the surface of a magnetically ordered crystal. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2005, 98, 391-400.	0.6	14
4	Spin-wave electrodynamics of the interface between a magnetoelectric multiferroic and a nonmagnetic insulator. Journal of Experimental and Theoretical Physics, 2012, 114, 474-495.	0.9	10
5	Exceptional surface wave as a condition of the maximum increase in the intensity of an evanescent electromagnetic wave in a transparent medium. JETP Letters, 2012, 95, 229-233.	1.4	8
6	Polariton dynamics of a one-dimensional magnetic photonic crystal in crossed magnetic and electric fields. Journal of Experimental and Theoretical Physics, 2008, 106, 918-935.	0.9	6
7	Transformation of the polariton spectrum of a one-dimensional magnetic photonic crystal in an external dc electric field. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2007, 102, 562-571.	0.6	5
8	Antiferromagnet with an antisymmetry center in an external static magnetic field as a left-handed medium. JETP Letters, 2010, 92, 511-515.	1.4	5
9	New mechanism of the enhancement of the Goos-Hanchen effect at an interface between transparent media. JETP Letters, 2015, 102, 343-349.	1.4	5
10	Features of the reflection of a bulk TM electromagnetic wave on a nongyrotropic multiferroic slab. Low Temperature Physics, 2006, 32, 61-67.	0.6	4
11	New mechanism of formation of virtual surface magnetic polaritons. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 100, 896-905.	0.6	4
12	Features of the reflection of TE waves from a nongyrotropic multiferroic slab. Low Temperature Physics, 2007, 33, 412-421.	0.6	4
13	Electric Field Control of Magnon Power Flow in Thin Ferromagnet Films. Acta Physica Polonica A, 2018, 133, 463-465.	0.5	4
14	Polariton dynamics of a one-dimensional gyrotropic magnetic photonic crystal in a dc electric field: II. Surface waves. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2009, 107, 803-810.	0.6	3
15	Properties of evanescent waves in polarized media in a constant external electric field: II. The noncompensated antiferromagnetic. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 110, 1046-1050.	0.784314	10
16	Properties of evanescent waves in polarized media in a constant external electric field: I. The compensated antiferromagnetic. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2014, 110, 1051-1055.	0.784314	10
17	Surface spin-wave electrodynamics of an easy-axis antiferromagnet in an external electric field. Physics of the Solid State, 2007, 49, 278-287.	0.6	2
18	Surface dynamics of a nongyrotropic multiferroic with quadratic magnetoelectric interaction. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1426-1428.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Refraction of s- and p-polarized electromagnetic waves at the interface between a nonmagnetic insulator and an easy-axis centroantisymmetric antiferromagnet. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 713-717.	0.6	2
20	The Tamm exceptional surface waves. Doklady Physics, 2012, 57, 387-389.	0.7	2
21	Diversity of states in a chiral magnet nanocylinder. APL Materials, 2022, 10, .	5.1	2
22	Polariton dynamics of a bounded weak ferromagnetic in an external DC electric field normal to the interface. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 104, 615-624.	0.6	1
23	Polariton dynamics of a one-dimensional gyrotropic magnetic photonic crystal in a dc electric field: I. Peculiarities of refraction. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 107, 629-639.	0.6	1
24	Anomalies in the polariton dynamics of a one-dimensional magnetic photonic crystal with antiferromagnetic interlayer ordering in an external DC electric field. Journal of Experimental and Theoretical Physics, 2010, 110, 280-295.	0.9	1
25	Effects of a constant electric field in the polariton spectrum of a 1D magnetic photonic crystal with antiferromagnetic interlayer exchange. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 717-720.	0.6	1
26	Relationships between the magnetic structure parity of an easy-axis antiferromagnet and the refraction mode of electromagnetic waves of the TM and TE types. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 128-131.	0.6	1
27	Peculiarities of the resonant transmission of a TM (TE) wave through an antiferromagnet plate in crossed dc magnetic and electric fields. Low Temperature Physics, 2014, 40, 49-57.	0.6	1
28	Electric field control of backward spin waves in thin ferromagnetic film. , 2017, , .		1
29	Specific features of localization of magnetic TM polaritons in the ferroelectric-nongyrotropic-magnet structure. Crystallography Reports, 2006, 51, 646-652.	0.6	0
30	Transformation of the spectra of surface magnetic TE polaritons at the quadratic electro-optic effect. Crystallography Reports, 2007, 52, 701-706.	0.6	0
31	Transformation of the TE polariton spectrum of the one-dimensional magnetic photonic crystal under conditions of the quadratic electro-optic effect. Physics of the Solid State, 2007, 49, 1932-1939.	0.6	0
32	Transformation of the spectrum of TM polaritons of a 1D magnetic photonic crystal under conditions of the quadratic electro-optic effect. Crystallography Reports, 2008, 53, 480-487.	0.6	0
33	Polariton dynamics of a bounded weak ferromagnet in an external dc electric field tangential to the interface. Crystallography Reports, 2008, 53, 1044-1053.	0.6	0
34	Bulk spin-wave electrodynamics of an antiferromagnetic plate in a constant external electric field. Physics of the Solid State, 2008, 50, 1091-1102.	0.6	0
35	Polariton dynamics of one-dimensional gyrotropic magnetic photonic crystal in an external dc electric field. Effective medium approach. Low Temperature Physics, 2008, 34, 1005-1014.	0.6	0
36	Polariton spectrum of a bounded antiferromagnet with a center of antisymmetry in an external electric field oriented normally to the surface. Crystallography Reports, 2009, 54, 1179-1190.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Enhancing evanescent wave intensity in a ferroelectrics plate (Kretschmann geometry). Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 268-270.	0.6	0
38	Impact of a DC magnetic field on evanescent wave intensity amplification for a magnetocompensated antiferromagnet. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1262-1264.	0.6	0
39	External electric field effects in the resonant propagation of a TM- or TE-Type wave through an orthoferrite plate under the conditions of a Morin-type phase transition. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 278-280.	0.6	0
40	Influence of the magnetic structure parity on conditions of the electromagnetic transparency of an antiferromagnetic plate. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 786-788.	0.6	0
41	Exchangeless magnetoelectric magnons: A new class of mixed hybrid dipole waves. JETP Letters, 2016, 103, 522-530.	1.4	0
42	The change of direction of maximum Goos-Hanchen shift on the interface of centrosymmetric antiferromagnet in an external constant electric field. , 2016, , .		0
43	Electric Field Control of Spin-wave Refraction in Thin Ferromagnetic Film. , 2019, , .		0