

Vladimir Belotelov

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5716805/vladimir-belotelov-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

3,358
citations

29
h-index

54
g-index

210
ext. papers

4,103
ext. citations

3.4
avg, IF

5.3
L-index

#	Paper	IF	Citations
166	Enhanced magneto-optical effects in magnetoplasmonic crystals. <i>Nature Nanotechnology</i> , 2011 , 6, 370-628.7	628.7	401
165	Magnetic-field-induced phase transition in BiFeO ₃ observed by high-field electron spin resonance: Cycloidal to homogeneous spin order. <i>Physical Review B</i> , 2004 , 69,	3.3	344
164	Nonreciprocal plasmonics enables giant enhancement of thin-film Faraday rotation. <i>Nature Communications</i> , 2013 , 4, 1599	17.4	297
163	Extraordinary magneto-optical effects and transmission through metal-dielectric plasmonic systems. <i>Physical Review Letters</i> , 2007 , 98, 077401	7.4	182
162	Plasmon-mediated magneto-optical transparency. <i>Nature Communications</i> , 2013 , 4, 2128	17.4	144
161	Magneto-optical plasmonic heterostructure with ultranarrow resonance for sensing applications. <i>Scientific Reports</i> , 2016 , 6, 28077	4.9	86
160	Extraordinary transmission and giant magneto-optical transverse Kerr effect in plasmonic nanostructured films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 1594	1.7	77
159	Magnetoplasmonics and Femtosecond Optomagnetism at the Nanoscale. <i>ACS Photonics</i> , 2016 , 3, 1385-1400	14.0	70
158	Tuning of the transverse magneto-optical Kerr effect in magneto-plasmonic crystals. <i>New Journal of Physics</i> , 2013 , 15, 075024	2.9	66
157	Magneto-optical properties of photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 286	1.7	61
156	Waveguide-Plasmon Polaritons Enhance Transverse Magneto-Optical Kerr Effect. <i>Physical Review X</i> , 2013 , 3,	9.1	56
155	Nanoscale magnetophotonics. <i>Journal of Applied Physics</i> , 2020 , 127, 080903	2.5	52
154	Plasmonic crystals for ultrafast nanophotonics: Optical switching of surface plasmon polaritons. <i>Physical Review B</i> , 2012 , 85,	3.3	49
153	Photonic crystals with plasmonic patterns: novel type of the heterostructures for enhanced magneto-optical activity. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 095001	3	48
152	Magneto-optical effects in the metal-dielectric gratings. <i>Optics Communications</i> , 2007 , 278, 104-109	2	48
151	Novel Magnetic Photonic Crystal Structures for Magnetic Field Sensors and Visualizers. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 323-328	2	46
150	Epitaxial Bi _{1-x} Co _x Fe ₂ Si ₂ iron-garnet films for magnetophotonic applications. <i>Journal of Alloys and Compounds</i> , 2016 , 671, 403-407	5.7	44

149	Giant transversal Kerr effect in magneto-plasmonic heterostructures: The scattering-matrix method. <i>Journal of Experimental and Theoretical Physics</i> , 2010 , 110, 816-824	1	41
148	Magnetic photonic crystals: 1-D optimization and applications for the integrated optics devices. <i>Journal of Lightwave Technology</i> , 2006 , 24, 2156-2162	4	41
147	Magneto-optical properties of two dimensional photonic crystals. <i>European Physical Journal B</i> , 2004 , 37, 479-487	1.2	41
146	RF magnetron sputtered (BiDy) ₃ (FeGa) ₅ O ₁₂ :Bi ₂ O ₃ composite garnet-oxide materials possessing record magneto-optic quality in the visible spectral region. <i>Optics Express</i> , 2009 , 17, 19519-35	3.3	36
145	Inverse transverse magneto-optical Kerr effect. <i>Physical Review B</i> , 2012 , 86,	3.3	34
144	FabryPerot plasmonic structures for nanophotonics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 294	1.7	33
143	Online monitoring of alloyed bimetallic nanoparticle formation by optical spectroscopy. <i>Journal of Applied Physics</i> , 2006 , 99, 044304	2.5	32
142	TMOKE as efficient tool for the magneto-optic analysis of ultra-thin magnetic films. <i>Applied Physics Letters</i> , 2018 , 112, 063101	3.4	31
141	Plasmonic layer-selective all-optical switching of magnetization with nanometer resolution. <i>Nature Communications</i> , 2019 , 10, 4786	17.4	31
140	Magneto-optics and extraordinary transmission of the perforated metallic films magnetized in polar geometry. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, e260-e263	2.8	31
139	All-dielectric magnetic metasurface for advanced light control in dual polarizations combined with high-Q resonances. <i>Nature Communications</i> , 2020 , 11, 5487	17.4	31
138	Generation of spin waves by a train of fs-laser pulses: a novel approach for tuning magnon wavelength. <i>Scientific Reports</i> , 2017 , 7, 5668	4.9	30
137	Transformation of mode polarization in gyrotropic plasmonic waveguides. <i>Laser Physics</i> , 2014 , 24, 0940062		29
136	Giant magneto-optical orientational effect in plasmonic heterostructures. <i>Optics Letters</i> , 2009 , 34, 398-400		28
135	Magnetoplasmonic Crystals for Highly Sensitive Magnetometry. <i>ACS Photonics</i> , 2018 , 5, 4951-4959	6.3	28
134	Magnetophotonic intensity effects in hybrid metal-dielectric structures. <i>Physical Review B</i> , 2014 , 89,	3.3	27
133	Magnetoplasmonic quasicrystals: an approach for multiband magneto-optical response. <i>Optica</i> , 2018 , 5, 617	8.6	25
132	High-Q surface electromagnetic wave resonance excitation in magnetophotonic crystals for supersensitive detection of weak light absorption in the near-infrared. <i>Photonics Research</i> , 2020 , 8, 57	6	24

131	High-Q surface modes in photonic crystal/iron garnet film heterostructures for sensor applications. <i>JETP Letters</i> , 2016 , 104, 679-684	1.2	24
130	Faraday rotation in iron garnet films beyond elemental substitutions. <i>Optica</i> , 2019 , 6, 642	8.6	22
129	Magneto-optics of subwavelength all-dielectric gratings. <i>Optics Express</i> , 2020 , 28, 17988-17996	3.3	20
128	Plasmon and Plexciton Driven Interfacial Catalytic Reactions. <i>Chemical Record</i> , 2021 , 21, 797-819	6.6	19
127	Giant peak of the Inverse Faraday effect in the band gap of magnetophotonic microcavity. <i>Scientific Reports</i> , 2018 , 8, 11435	4.9	18
126	Resonances of the magneto-optical intensity effect mediated by interaction of different modes in a hybrid magnetoplasmonic heterostructure with gold nanoparticles. <i>Optics Express</i> , 2019 , 27, 33170-33179 ³	2.3	17
125	Inverse Faraday effect in plasmonic heterostructures. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 092003	0.3	16
124	One-dimensional magnetophotonic crystals with magneto-optical double layers. <i>Journal of Experimental and Theoretical Physics</i> , 2016 , 123, 744-751	1	16
123	Optical excitation of spin waves in epitaxial iron garnet films: MSSW vs BVMSW. <i>Optics Letters</i> , 2017 , 42, 279-282	3	15
122	Modulation of a surface plasmon-polariton resonance by subterahertz diffracted coherent phonons. <i>Physical Review B</i> , 2012 , 86,	3.3	15
121	Transverse magneto-optical Kerr effect in active magneto-plasmonic structures. <i>Optics Letters</i> , 2016 , 41, 4593-4596	3	15
120	Sensitivity comparison of surface plasmon resonance (SPR) and magneto-optic SPR biosensors. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	14
119	Flux-gate magnetic field sensor based on yttrium iron garnet films for magnetocardiography investigations. <i>Technical Physics Letters</i> , 2016 , 42, 860-864	0.7	14
118	All-Dielectric Nanophotonics Enables Tunable Excitation of the Exchange Spin Waves. <i>Nano Letters</i> , 2020 , 20, 5259-5266	11.5	13
117	Properties of Ferrite Garnet (Bi, Lu, Y)(Fe, Ga)O Thin Film Materials Prepared by RF Magnetron Sputtering. <i>Nanomaterials</i> , 2018 , 8,	5.4	13
116	Plasmonic pulse shaping and velocity control via photoexcitation of electrons in a gold film. <i>Optics Express</i> , 2014 , 22, 28019-26	3.3	12
115	Surface plasmons in nanowires with toroidal magnetic structure. <i>Optics Letters</i> , 2014 , 39, 4108-11	3	12
114	Bound states in the continuum enable modulation of light intensity in the Faraday configuration. <i>Optics Letters</i> , 2020 , 45, 6422-6425	3	12

113	Hybrid structures of magnetic semiconductors and plasmonic crystals: a novel concept for magneto-optical devices [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, A103	1.7	11
112	Effect of oblique light incidence on magneto-optical properties of one-dimensional photonic crystals. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 382-388	2	11
111	Optical emission studies in Au/Ag nanoparticles. <i>Nanotechnology</i> , 2007 , 18, 365701	3.4	11
110	Optical characterization of the polymer embedded alloyed bimetallic nanoparticles. <i>European Physical Journal B</i> , 2005 , 45, 317-324	1.2	11
109	Electric-field-driven magnetic domain wall as a microscale magneto-optical shutter. <i>Scientific Reports</i> , 2017 , 7, 264	4.9	10
108	Nano- and micro-scale Bi-substituted iron garnet films for photonics and magneto-optic eddy current defectoscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 440, 175-178	2.8	9
107	The effect of the disk magnetic element profile on the saturation field and noise of a magneto-modulation magnetic field sensor. <i>Technical Physics Letters</i> , 2015 , 41, 458-461	0.7	9
106	Local probing of magnetic films by optical excitation of magnetostatic waves. <i>Physics of the Solid State</i> , 2016 , 58, 1128-1134	0.8	9
105	The magnetic properties of CoFeB and CoFeB/Ag nanodot arrays fabricated by a template transfer imprinting method. <i>Thin Solid Films</i> , 2018 , 660, 301-305	2.2	9
104	Magneto-optical properties of perforated metallic films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e843-e845	2.8	9
103	Terahertz dynamics of lattice vibrations in Au/CdTe plasmonic crystals: Photoinduced segregation of Te and enhancement of optical response. <i>Physical Review B</i> , 2016 , 93,	3.3	8
102	Gyroscopic force acting on the magnetic vortex in a weak ferromagnet. <i>JETP Letters</i> , 2008 , 87, 381-384	1.2	8
101	Vector magneto-optical sensor based on transparent magnetic films with cubic crystallographic symmetry. <i>Applied Physics Letters</i> , 2016 , 109, 162403	3.4	8
100	Transverse magnetic field impact on waveguide modes of photonic crystals. <i>Optics Letters</i> , 2016 , 41, 3813-6	3	8
99	Surface and Interface Engineering Multilayered Nanopore Films for Enhanced Fabry-Pérot Interferences. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29457-29463	3.8	8
98	Transverse magneto-optical Kerr effect at narrow optical resonances. <i>Nanophotonics</i> , 2019 , 8, 287-296	6.3	7
97	Long-Lived Induction Signal in Yttrium Iron Garnet. <i>JETP Letters</i> , 2020 , 111, 62-66	1.2	7
96	Efficient Acousto-Optical Light Modulation at the Mid-Infrared Spectral Range by Planar Semiconductor Structures Supporting Guided Modes. <i>Physical Review Applied</i> , 2020 , 13,	4.3	7

95	The Effect of Faraday Rotation Enhancement in Nanolayered Structures of Bi - Substituted Iron Garnets. <i>Solid State Phenomena</i> , 2013 , 200, 233-238	0.4	7
94	Intensity magneto-optical effect in magnetoplasmonic crystals. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012038	0.3	7
93	Optical properties of toroidal media 2007 ,		7
92	Tunable Optical Nanocavity of Iron-garnet with a Buried Metal Layer. <i>Materials</i> , 2015 , 8, 3012-3023	3.5	6
91	Slow light phenomenon and extraordinary magneto-optical effects in periodic nanostructured media. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 826-828	2.8	6
90	Optical properties of perforated metal-dielectric heterostructures magnetized in the plane. <i>Physics of the Solid State</i> , 2009 , 51, 1656-1662	0.8	6
89	Faraday effect enhancement in metal-dielectric plasmonic systems 2007 , 6581, 158		6
88	Interaction of surface plasmon polaritons and acoustic waves inside an acoustic cavity. <i>Optics Letters</i> , 2017 , 42, 3558-3561	3	6
87	Enhanced magneto-optical Faraday effect in two-dimensional magnetoplasmonic structures caused by orthogonal plasmonic oscillations. <i>Physical Review B</i> , 2020 , 102,	3.3	6
86	Magnetic field coupling microfluidic synthesis of diluted magnetic semiconductor quantum dots: the case of Co doping ZnSe quantum dots. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4619-4627	7.1	6
85	Magnetolectricity in topological magnetic textures. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 440, 60-62	2.8	5
84	Microcavity One-Dimensional Magnetophotonic Crystals with Double Layer Bi-Substituted Iron Garnet Films: Optical and Magneto-Optical Responses in Transmission and Reflection. <i>Solid State Phenomena</i> , 2015 , 230, 241-246	0.4	5
83	Magneto-optical effects for detection of in-plane magnetization in plasmonic crystals. <i>Physics of the Solid State</i> , 2016 , 58, 1563-1572	0.8	5
82	Magneto-optics of single and microresonator iron-garnet films at low temperatures. <i>Optical Materials</i> , 2016 , 52, 21-25	3.3	5
81	Near dispersion-less surface plasmon polariton resonances at a metal-dielectric interface with patterned dielectric on top. <i>Applied Physics Letters</i> , 2012 , 101, 091602	3.4	5
80	Dynamics of surface plasmon polaritons in plasmonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1111	1.7	5
79	On surface plasmon polariton wavepacket dynamics in metal-dielectric heterostructures. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 395301	1.8	5
78	Electrodynamic Green-function technique for investigating the magneto-optics of low-dimensional systems and nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 228	1.7	5

77	Nonlinear intensity-related magneto-optical Kerr effects in the planar geometry. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2001 , 91, 626-633	0.7	5
76	New nonlinear intensity Kerr effect in the polar geometry. <i>Physics of the Solid State</i> , 2000 , 42, 1873-1880.	0.8	5
75	Control of the phase of the magnetization precession excited by circularly polarized femtosecond-laser pulses. <i>Photonics Research</i> , 2018 , 6, 1079	6	5
74	Vector magneto-optical magnetometer based on resonant all-dielectric gratings with highly anisotropic iron garnet films. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 295001	3	5
73	Rat Magnetocardiography Using a Flux-Gate Sensor Based on Iron Garnet Films. <i>Bio-Medical Engineering</i> , 2016 , 50, 237-240	0.5	5
72	Influence of the Plasmonic Nanodisk Positions Inside a Magnetic Medium on the Faraday Effect Enhancement. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900682	2.5	4
71	Enhancement of electron hot spot relaxation in photoexcited plasmonic structures by thermal diffusion. <i>Physical Review B</i> , 2016 , 94,	3.3	4
70	Magnetic excitations in (SiO ₂)Co nano-composite films: Brillouin light scattering study. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 876-879	2.8	4
69	New magneto-optical materials on a nanoscale. <i>Phase Transitions</i> , 2006 , 79, 1135-1171	1.3	4
68	Magneto-optical effects at the Rayleigh-Wood and plasmon anomalies 2007 , 6728, 107		4
67	Nongyrotropic magneto-optical effects in metal-insulator magnetic multilayer thin films. <i>Physics of the Solid State</i> , 2003 , 45, 1957-1965	0.8	4
66	Magnetophotonics for sensing and magnetometry toward industrial applications. <i>Journal of Applied Physics</i> , 2021 , 130, 230901	2.5	4
65	Bose-Einstein Condensation and Spin Superfluidity of Magnons in a Perpendicularly Magnetized Yttrium Iron Garnet Film. <i>JETP Letters</i> , 2020 , 112, 299-304	1.2	4
64	Features of the Interaction of a Magnon Bose-Einstein Condensate with Acoustic Modes in Yttrium Iron Garnet Films. <i>JETP Letters</i> , 2020 , 112, 710-714	1.2	4
63	Magnetoplasmonic structures with broken spatial symmetry for light control at normal incidence. <i>Physical Review B</i> , 2020 , 102,	3.3	4
62	Quantum paradigm of the foldover magnetic resonance. <i>Scientific Reports</i> , 2021 , 11, 7673	4.9	4
61	Peculiarities of the inverse Faraday effect induced in iron garnet films by femtosecond laser pulses. <i>JETP Letters</i> , 2016 , 104, 833-837	1.2	4
60	Magnetoplasmonics 2019 , 1-24		3

59	Schrödinger plasmon-solitons in Kerr nonlinear heterostructures with magnetic manipulation. <i>Optics Letters</i> , 2015 , 40, 5439-42	3	3
58	Surface Plasmon Polaritons and Inverse Faraday Effect. <i>Solid State Phenomena</i> , 2012 , 190, 369-372	0.4	3
57	Optical properties of one-dimensional metal-dielectric diffraction gratings. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2011 , 78, 291	0.9	3
56	Studying periodic nanostructures by probing the in-sample optical far-field using coherent phonons. <i>Applied Physics Letters</i> , 2012 , 101, 243117	3.4	3
55	Numerical simulation of nanoparticle images in scanning near-field optical microscopy. <i>Technical Physics</i> , 2003 , 48, 1-6	0.5	3
54	Detection and study of magnetic micro-and nanostructures using dark-field optical microscopy. <i>Physics of the Solid State</i> , 2003 , 45, 519-528	0.8	3
53	Resonances of the Faraday Effect in Nanostructured Iron Garnet Films. <i>JETP Letters</i> , 2020 , 112, 720-724	1.2	3
52	Comparison of the effects of surface plasmon resonance and the transverse magneto-optic Kerr effect in magneto-optic plasmonic nanostructures. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 02LT02	3	3
51	Sensing of Surface and Bulk Refractive Index Using Magnetophotonic Crystal with Hybrid Magneto-Optical Response. <i>Sensors</i> , 2021 , 21,	3.8	3
50	Magnetic control of waveguide modes of Bragg structures. <i>Journal of Physics: Conference Series</i> , 2016 , 714, 012016	0.3	3
49	Multiperiodic magnetoplasmonic gratings fabricated by the pulse force nanolithography. <i>Optics Letters</i> , 2021 , 46, 4148-4151	3	3
48	Magnetization dynamics in epitaxial films induced by femtosecond optical pulses near the absorption edge. <i>Physics of the Solid State</i> , 2017 , 59, 904-908	0.8	2
47	Controlling the Transverse Magneto-Optical Kerr Effect in Cr/NiFe Bilayer Thin Films by Changing the Thicknesses of the Cr Layer. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
46	Magneto-optical coaxial waveguide with toroidal magnetization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, 1789	1.7	2
45	Tamm plasmon-polaritons and Fabry-Perot excitation in a magnetophotonic structure. <i>Optical Materials Express</i> , 2022 , 12, 685	2.6	2
44	Two-dimensional array of iron-garnet nanocylinders supporting localized and lattice modes for the broadband boosted magneto-optics. <i>Nanophotonics</i> , 2021 ,	6.3	2
43	Bismuth-substituted Iron Garnet Films for Magnetophotonics: Part B [Devices and Applications 2021 , 161-197		2
42	Waveguide modes of 1D photonic crystals in a transverse magnetic field. <i>Journal of Experimental and Theoretical Physics</i> , 2016 , 123, 737-743	1	2

41	Ferromagnetic Resonance and Elastic Vibrations in Epitaxial Yttrium Iron Garnet Films. <i>Journal of Experimental and Theoretical Physics</i> , 2021 , 132, 257-263	1	2
40	Polarization properties of surface plasmon polaritons at the boundary of topological insulators with the axion effect. <i>Physics of Wave Phenomena</i> , 2017 , 25, 119-123	1.2	1
39	Optical excitation of spin waves in all-dielectric nanostructured materials with iron garnet 2020 ,		1
38	Magneto-optical light modulator with local domain wall manipulation 2016 ,		1
37	Enhancement of SPR-sensor sensitivity in garnet-based plasmonic heterostructures 2016 ,		1
36	Tunable magnetic properties of the nanoporous hybrid multilayer arrays. <i>Modern Physics Letters B</i> , 2018 , 32, 1850191	1.6	1
35	Generation of spin waves by fs-laser pulses in transparent magnetic films: role of the laser beam diameter. <i>Journal of Physics: Conference Series</i> , 2017 , 869, 012020	0.3	1
34	Magneto-Optics of Plasmonic Crystals. <i>Springer Series in Materials Science</i> , 2013 , 51-106	0.9	1
33	Induced Phase Transition in BiFeO ₃ by High-Field Electron Spin Resonance. <i>Ferroelectrics</i> , 2004 , 301, 229-234	0.6	1
32	Magnetoelastic Coupling Modulation at Ferromagnetic Resonance in Garnet Ferrite Films. <i>Technical Physics</i> , 2021 , 66, 1011	0.5	1
31	Magneto-optical imaging of coherent spin dynamics in ferrites.. <i>Optics Express</i> , 2022 , 30, 1737-1744	3.3	1
30	Identification of a new source of magnon relaxation in interface between epitaxial iron garnet ferrite films and GGG substrate. <i>Materials Research Bulletin</i> , 2022 , 149, 111691	5.1	1
29	Amplification of the electrostriction mechanism of photoacoustic conversion in layered media. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 475101	3	1
28	Bismuth-Substituted Iron Garnet Films for Magnetophotonics: Part A [Fabrication Methods and Microstructure Property Study 2021 , 125-159		1
27	Photon-phonon spin-orbit interaction in optical fibers. <i>Optica</i> , 2021 , 8, 638	8.6	1
26	Magnonic control of the superconducting spin valve by magnetization reorientation in a helimagnet. <i>Applied Physics Letters</i> , 2021 , 118, 232601	3.4	1
25	Layer-selective magnetization switching in the chirped photonic crystal with GdFeCo. <i>Scientific Reports</i> , 2021 , 11, 2239	4.9	1
24	Structural Color Control of CoFeB-Coated Nanoporous Thin Films. <i>Coatings</i> , 2021 , 11, 1123	2.9	1

23	Circular Displacement Current Induced Anomalous Magneto-Optical Effects in High Index Mie Resonators. <i>Laser and Photonics Reviews</i> , 2200067	8.3	1
22	Enhancement of the Magneto-Optical Response in Ultra-Thin Ferromagnetic Films and Its Registration Using the Transverse Magneto-Optical Kerr Effect. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019 , 83, 881-883	0.4	0
21	TMOKE enhancement in structured all-dielectric iron-garnet films with waveguide modes. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012189	0.3	0
20	Control of Surface Plasmon-Polaritons in Magnetoelectric Heterostructures. <i>Journal of Lightwave Technology</i> , 2018 , 36, 2660-2666	4	0
19	Magneto-optical effects in metal-dielectric plasmonic systems. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007 , 71, 1530-1532	0.4	0
18	Transverse magneto-photonic transmission effect in non-symmetric nanostructures with comb-like plasmonic gratings. <i>Optical Materials Express</i> , 2022 , 12, 573	2.6	0
17	Longitudinal Magneto-Optical Kerr Effect of Nanoporous CoFeB and W/CoFeB/W Thin Films. <i>Coatings</i> , 2022 , 12, 115	2.9	0
16	Valley polarization of trions in monolayer MoSe ₂ interfaced with bismuth iron garnet. <i>2D Materials</i> , 2022 , 9, 015019	5.9	0
15	Optically pumped Floquet states of magnetization in ferromagnets. <i>Optics Letters</i> , 2019 , 44, 331-334	3	0
14	One-dimensional optomagnonic microcavities for selective excitation of perpendicular standing spin waves. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 543, 168167	2.8	0
13	Surface lattice resonance-based magneto-plasmonic switch in NiFe patterned nano-structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 517, 167387	2.8	0
12	Nanophotonic structures with optical surface modes for tunable spin current generation. <i>Nanoscale</i> , 2021 , 13, 5791-5799	7.7	0
11	Giant enhancement of the Faraday effect in a magnetoplasmonic nanocomposite. <i>Optical Materials Express</i> , 2022 , 12, 1522	2.6	0
10	Accumulation and control of spin waves in magnonic dielectric microresonators by a comb of ultrashort laser pulses.. <i>Scientific Reports</i> , 2022 , 12, 7369	4.9	0
9	Inverse faraday effect in plasmonic films. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2011 , 66, 238-241	0.7	
8	Optical properties of two-layer one-dimensional magneto-plasmonic crystals. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2010 , 77, 784	0.9	
7	Magneto-optics of Granular Materials and New Optical Methods of Magnetic Nanoparticles and Nanostructures Imaging 2004 , 201-240		
6	Surface nonlinear magneto-optical effects in rhombic antiferromagnetics. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 258-259, 106-109	2.8	

- 5 Enhanced magneto-optical Faraday effect in 2D magnetoplasmonic structures caused by orthogonal plasmonic oscillations. *Journal of Physics: Conference Series*, **2018**, 1092, 012069 0.3
- 4 Magneto-Optical Control of Radiation in Photonic Crystal Structures via the Excitation of Surface Modes. *Bulletin of the Russian Academy of Sciences: Physics*, **2021**, 85, 25-28 0.4
- 3 Magneto-Optical Effects in Nanostructures with Spatial Modulation of Magnetization. *Bulletin of the Russian Academy of Sciences: Physics*, **2022**, 86, 182-185 0.4
- 2 Crystallization Double-Layer Magneto-Active Films for Magnetophotonics. *Journal of Physics: Conference Series*, **2021**, 2091, 012049 0.3
- 1 Light-Induced Modification of the FMR Spectra of a Bismuth-Substituted Yttrium Ferrite Garnet Film. *JETP Letters*, **2022**, 115, 196-201 1.2