

# Vladimir Belotelov

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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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	Tamm plasmon-polaritons and Fabry-Perot excitation in a magnetophotonic structure. <i>Optical Materials Express</i> , <b>2022</b> , 12, 685	2.6	2
165	Transverse magneto-photonic transmission effect in non-symmetric nanostructures with comb-like plasmonic gratings. <i>Optical Materials Express</i> , <b>2022</b> , 12, 573	2.6	0
164	Longitudinal Magneto-Optical Kerr Effect of Nanoporous CoFeB and W/CoFeB/W Thin Films. <i>Coatings</i> , <b>2022</b> , 12, 115	2.9	0
163	Valley polarization of trions in monolayer MoSe <sub>2</sub> interfaced with bismuth iron garnet. <i>2D Materials</i> , <b>2022</b> , 9, 015019	5.9	0
162	Magneto-optical imaging of coherent spin dynamics in ferrites.. <i>Optics Express</i> , <b>2022</b> , 30, 1737-1744	3.3	1
161	Identification of a new source of magnon relaxation in interface between epitaxial iron garnet ferrite films and GGG substrate. <i>Materials Research Bulletin</i> , <b>2022</b> , 149, 111691	5.1	1
160	Magneto-Optical Effects in Nanostructures with Spatial Modulation of Magnetization. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2022</b> , 86, 182-185	0.4	
159	Giant enhancement of the Faraday effect in a magnetoplasmonic nanocomposite. <i>Optical Materials Express</i> , <b>2022</b> , 12, 1522	2.6	0
158	Accumulation and control of spin waves in magnonic dielectric microresonators by a comb of ultrashort laser pulses.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7369	4.9	0
157	Light-Induced Modification of the FMR Spectra of a Bismuth-Substituted Yttrium Ferrite Garnet Film. <i>JETP Letters</i> , <b>2022</b> , 115, 196-201	1.2	
156	Magnetoelastic Coupling Modulation at Ferromagnetic Resonance in Garnet Ferrite Films. <i>Technical Physics</i> , <b>2021</b> , 66, 1011	0.5	1
155	Magnetophotonics for sensing and magnetometry toward industrial applications. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 230901	2.5	4
154	Two-dimensional array of iron-garnet nanocylinders supporting localized and lattice modes for the broadband boosted magneto-optics. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	2
153	Sensing of Surface and Bulk Refractive Index Using Magnetophotonic Crystal with Hybrid Magneto-Optical Response. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
152	Bismuth-substituted Iron Garnet Films for Magnetophotonics: Part B [Devices and Applications <b>2021</b> , 161-197		2
151	Bismuth-Substituted Iron Garnet Films for Magnetophotonics: Part A [Fabrication Methods and Microstructure Property Study <b>2021</b> , 125-159		1
150	Quantum paradigm of the foldover magnetic resonance. <i>Scientific Reports</i> , <b>2021</b> , 11, 7673	4.9	4

149	Vector magneto-optical magnetometer based on resonant all-dielectric gratings with highly anisotropic iron garnet films. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 295001	3	5
148	Photon-phonon spin-orbit interaction in optical fibers. <i>Optica</i> , <b>2021</b> , 8, 638	8.6	1
147	Magnonic control of the superconducting spin valve by magnetization reorientation in a helimagnet. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 232601	3.4	1
146	One-dimensional optomagnonic microcavities for selective excitation of perpendicular standing spin waves. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 543, 168167	2.8	0
145	Surface lattice resonance-based magneto-plasmonic switch in NiFe patterned nano-structure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 517, 167387	2.8	0
144	Nanophotonic structures with optical surface modes for tunable spin current generation. <i>Nanoscale</i> , <b>2021</b> , 13, 5791-5799	7.7	0
143	Layer-selective magnetization switching in the chirped photonic crystal with GdFeCo. <i>Scientific Reports</i> , <b>2021</b> , 11, 2239	4.9	1
142	Plasmon and Plexciton Driven Interfacial Catalytic Reactions. <i>Chemical Record</i> , <b>2021</b> , 21, 797-819	6.6	19
141	Ferromagnetic Resonance and Elastic Vibrations in Epitaxial Yttrium Iron Garnet Films. <i>Journal of Experimental and Theoretical Physics</i> , <b>2021</b> , 132, 257-263	1	2
140	Multiperiodic magnetoplasmonic gratings fabricated by the pulse force nanolithography. <i>Optics Letters</i> , <b>2021</b> , 46, 4148-4151	3	3
139	Structural Color Control of CoFeB-Coated Nanoporous Thin Films. <i>Coatings</i> , <b>2021</b> , 11, 1123	2.9	1
138	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> , <b>2021</b> , 9, 4619-4627	7.1	6
137	Magneto-Optical Control of Radiation in Photonic Crystal Structures via the Excitation of Surface Modes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2021</b> , 85, 25-28	0.4	
136	Crystallization Double-Layer Magneto-Active Films for Magnetophotonics. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2091, 012049	0.3	
135	Optical excitation of spin waves in all-dielectric nanostructured materials with iron garnet <b>2020</b> ,		1
134	All-Dielectric Nanophotonics Enables Tunable Excitation of the Exchange Spin Waves. <i>Nano Letters</i> , <b>2020</b> , 20, 5259-5266	11.5	13
133	TMOKE enhancement in structured all-dielectric iron-garnet films with waveguide modes. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1461, 012189	0.3	0
132	Nanoscale magnetophotonics. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 080903	2.5	52

131	Influence of the Plasmonic Nanodisk Positions Inside a Magnetic Medium on the Faraday Effect Enhancement. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2020</b> , 14, 1900682	2.5	4
130	Controlling the Transverse Magneto-Optical Kerr Effect in Cr/NiFe Bilayer Thin Films by Changing the Thicknesses of the Cr Layer. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
129	Long-Lived Induction Signal in Yttrium Iron Garnet. <i>JETP Letters</i> , <b>2020</b> , 111, 62-66	1.2	7
128	Efficient Acousto-Optical Light Modulation at the Mid-Infrared Spectral Range by Planar Semiconductor Structures Supporting Guided Modes. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	7
127	Bose-Einstein Condensation and Spin Superfluidity of Magnons in a Perpendicularly Magnetized Yttrium Iron Garnet Film. <i>JETP Letters</i> , <b>2020</b> , 112, 299-304	1.2	4
126	Features of the Interaction of a Magnon Bose-Einstein Condensate with Acoustic Modes in Yttrium Iron Garnet Films. <i>JETP Letters</i> , <b>2020</b> , 112, 710-714	1.2	4
125	Magneto-optics of subwavelength all-dielectric gratings. <i>Optics Express</i> , <b>2020</b> , 28, 17988-17996	3.3	20
124	Bound states in the continuum enable modulation of light intensity in the Faraday configuration. <i>Optics Letters</i> , <b>2020</b> , 45, 6422-6425	3	12
123	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> , <b>2020</b> , 8, 57	6	24
122	Amplification of the electrostriction mechanism of photoacoustic conversion in layered media. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 475101	3	1
121	Resonances of the Faraday Effect in Nanostructured Iron Garnet Films. <i>JETP Letters</i> , <b>2020</b> , 112, 720-724	1.2	3
120	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> , <b>2020</b> , 53, 02LT02	3	3
119	Enhanced magneto-optical Faraday effect in two-dimensional magnetoplasmonic structures caused by orthogonal plasmonic oscillations. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	6
118	All-dielectric magnetic metasurface for advanced light control in dual polarizations combined with high-Q resonances. <i>Nature Communications</i> , <b>2020</b> , 11, 5487	17.4	31
117	Magnetoplasmonic structures with broken spatial symmetry for light control at normal incidence. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	4
116	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> , <b>2019</b> , 83, 881-883	0.4	0
115	Sensitivity comparison of surface plasmon resonance (SPR) and magneto-optic SPR biosensors. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	14
114	Transverse magneto-optical Kerr effect at narrow optical resonances. <i>Nanophotonics</i> , <b>2019</b> , 8, 287-296	6.3	7

113	Magnetoplasmonics <b>2019</b> , 1-24		3
112	Plasmonic layer-selective all-optical switching of magnetization with nanometer resolution. <i>Nature Communications</i> , <b>2019</b> , 10, 4786	17.4	31
111	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> , <b>2019</b> , 27, 33170-33179	2.3	17
110	Faraday rotation in iron garnet films beyond elemental substitutions. <i>Optica</i> , <b>2019</b> , 6, 642	8.6	22
109	Optically pumped Floquet states of magnetization in ferromagnets. <i>Optics Letters</i> , <b>2019</b> , 44, 331-334	3	0
108	TMOKE as efficient tool for the magneto-optic analysis of ultra-thin magnetic films. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 063101	3.4	31
107	Control of Surface Plasmon-Polaritons in Magnetoelectric Heterostructures. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 2660-2666	4	0
106	Giant peak of the Inverse Faraday effect in the band gap of magnetophotonic microcavity. <i>Scientific Reports</i> , <b>2018</b> , 8, 11435	4.9	18
105	Magnetoplasmonic quasicrystals: an approach for multiband magneto-optical response. <i>Optica</i> , <b>2018</b> , 5, 617	8.6	25
104	Tunable magnetic properties of the nanoporous hybrid multilayer arrays. <i>Modern Physics Letters B</i> , <b>2018</b> , 32, 1850191	1.6	1
103	Properties of Ferrite Garnet (Bi, Lu, Y)(Fe, Ga)O Thin Film Materials Prepared by RF Magnetron Sputtering. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	13
102	The magnetic properties of CoFeB and CoFeB/Ag nanodot arrays fabricated by a template transfer imprinting method. <i>Thin Solid Films</i> , <b>2018</b> , 660, 301-305	2.2	9
101	Control of the phase of the magnetization precession excited by circularly polarized femtosecond-laser pulses. <i>Photonics Research</i> , <b>2018</b> , 6, 1079	6	5
100	Magnetoplasmonic Crystals for Highly Sensitive Magnetometry. <i>ACS Photonics</i> , <b>2018</b> , 5, 4951-4959	6.3	28
99	Enhanced magneto-optical Faraday effect in 2D magnetoplasmonic structures caused by orthogonal plasmonic oscillations. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1092, 012069	0.3	
98	Surface and Interface Engineering Multilayered Nanopore Films for Enhanced Fabry-Pérot Interferences. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 29457-29463	3.8	8
97	Polarization properties of surface plasmon polaritons at the boundary of topological insulators with the axion effect. <i>Physics of Wave Phenomena</i> , <b>2017</b> , 25, 119-123	1.2	1
96	Magnetization dynamics in epitaxial films induced by femtosecond optical pulses near the absorption edge. <i>Physics of the Solid State</i> , <b>2017</b> , 59, 904-908	0.8	2

95	Electric-field-driven magnetic domain wall as a microscale magneto-optical shutter. <i>Scientific Reports</i> , <b>2017</b> , 7, 264	4.9	10
94	Magnetolectricity in topological magnetic textures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 440, 60-62	2.8	5
93	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> , <b>2017</b> , 440, 175-178	2.8	9
92	Optical excitation of spin waves in epitaxial iron garnet films: MSSW vs BVMSW. <i>Optics Letters</i> , <b>2017</b> , 42, 279-282	3	15
91	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> , <b>2017</b> , 869, 012020	0.3	1
90	Generation of spin waves by a train of fs-laser pulses: a novel approach for tuning magnon wavelength. <i>Scientific Reports</i> , <b>2017</b> , 7, 5668	4.9	30
89	Interaction of surface plasmon polaritons and acoustic waves inside an acoustic cavity. <i>Optics Letters</i> , <b>2017</b> , 42, 3558-3561	3	6
88	Magneto-optical effects for detection of in-plane magnetization in plasmonic crystals. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 1563-1572	0.8	5
87	Enhancement of electron hot spot relaxation in photoexcited plasmonic structures by thermal diffusion. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	4
86	Magneto-optical light modulator with local domain wall manipulation <b>2016</b> ,		1
85	Flux-gate magnetic field sensor based on yttrium iron garnet films for magnetocardiography investigations. <i>Technical Physics Letters</i> , <b>2016</b> , 42, 860-864	0.7	14
84	Magneto-optical coaxial waveguide with toroidal magnetization. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 1789	1.7	2
83	Terahertz dynamics of lattice vibrations in Au/CdTe plasmonic crystals: Photoinduced segregation of Te and enhancement of optical response. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	8
82	Enhancement of SPR-sensor sensitivity in garnet-based plasmonic heterostructures <b>2016</b> ,		1
81	Magneto-optical plasmonic heterostructure with ultranarrow resonance for sensing applications. <i>Scientific Reports</i> , <b>2016</b> , 6, 28077	4.9	86
80	Local probing of magnetic films by optical excitation of magnetostatic waves. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 1128-1134	0.8	9
79	Magnetoplasmonics and Femtosecond Optomagnetism at the Nanoscale. <i>ACS Photonics</i> , <b>2016</b> , 3, 1385-1400	4.9	70
78	Magneto-optics of single and microresonator iron-garnet films at low temperatures. <i>Optical Materials</i> , <b>2016</b> , 52, 21-25	3.3	5

77	Epitaxial Bi <sub>1-x</sub> Gd <sub>x</sub> Sc iron-garnet films for magnetophotonic applications. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 671, 403-407	5.7	44
76	Transverse magneto-optical Kerr effect in active magneto-plasmonic structures. <i>Optics Letters</i> , <b>2016</b> , 41, 4593-4596	3	15
75	Magnetic control of waveguide modes of Bragg structures. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 714, 012016	0.3	3
74	Peculiarities of the inverse Faraday effect induced in iron garnet films by femtosecond laser pulses. <i>JETP Letters</i> , <b>2016</b> , 104, 833-837	1.2	4
73	High-Q surface modes in photonic crystal/iron garnet film heterostructures for sensor applications. <i>JETP Letters</i> , <b>2016</b> , 104, 679-684	1.2	24
72	Rat Magnetocardiography Using a Flux-Gate Sensor Based on Iron Garnet Films. <i>Bio-Medical Engineering</i> , <b>2016</b> , 50, 237-240	0.5	5
71	Vector magneto-optical sensor based on transparent magnetic films with cubic crystallographic symmetry. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 162403	3.4	8
70	One-dimensional magnetophotonic crystals with magneto-optical double layers. <i>Journal of Experimental and Theoretical Physics</i> , <b>2016</b> , 123, 744-751	1	16
69	Waveguide modes of 1D photonic crystals in a transverse magnetic field. <i>Journal of Experimental and Theoretical Physics</i> , <b>2016</b> , 123, 737-743	1	2
68	Transverse magnetic field impact on waveguide modes of photonic crystals. <i>Optics Letters</i> , <b>2016</b> , 41, 3813-6	3	8
67	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> , <b>2015</b> , 41, 458-461	0.7	9
66	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> , <b>2015</b> , 230, 241-246	0.4	5
65	Tunable Optical Nanocavity of Iron-garnet with a Buried Metal Layer. <i>Materials</i> , <b>2015</b> , 8, 3012-3023	3.5	6
64	Schrödinger plasmon-solitons in Kerr nonlinear heterostructures with magnetic manipulation. <i>Optics Letters</i> , <b>2015</b> , 40, 5439-42	3	3
63	Photonic crystals with plasmonic patterns: novel type of the heterostructures for enhanced magneto-optical activity. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 095001	3	48
62	Magnetophotonic intensity effects in hybrid metal-dielectric structures. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	27
61	Transformation of mode polarization in gyrotropic plasmonic waveguides. <i>Laser Physics</i> , <b>2014</b> , 24, 094006	6.2	29
60	Plasmonic pulse shaping and velocity control via photoexcitation of electrons in a gold film. <i>Optics Express</i> , <b>2014</b> , 22, 28019-26	3.3	12

59	Surface plasmons in nanowires with toroidal magnetic structure. <i>Optics Letters</i> , <b>2014</b> , 39, 4108-11	3	12
58	Plasmon-mediated magneto-optical transparency. <i>Nature Communications</i> , <b>2013</b> , 4, 2128	17.4	144
57	Tuning of the transverse magneto-optical Kerr effect in magneto-plasmonic crystals. <i>New Journal of Physics</i> , <b>2013</b> , 15, 075024	2.9	66
56	Nonreciprocal plasmonics enables giant enhancement of thin-film Faraday rotation. <i>Nature Communications</i> , <b>2013</b> , 4, 1599	17.4	297
55	Magneto-Optics of Plasmonic Crystals. <i>Springer Series in Materials Science</i> , <b>2013</b> , 51-106	0.9	1
54	The Effect of Faraday Rotation Enhancement in Nanolayered Structures of Bi - Substituted Iron Garnets. <i>Solid State Phenomena</i> , <b>2013</b> , 200, 233-238	0.4	7
53	Waveguide-Plasmon Polaritons Enhance Transverse Magneto-Optical Kerr Effect. <i>Physical Review X</i> , <b>2013</b> , 3,	9.1	56
52	Near dispersion-less surface plasmon polariton resonances at a metal-dielectric interface with patterned dielectric on top. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 091602	3.4	5
51	Inverse transverse magneto-optical Kerr effect. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	34
50	Modulation of a surface plasmon-polariton resonance by subterahertz diffracted coherent phonons. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	15
49	Surface Plasmon Polaritons and Inverse Faraday Effect. <i>Solid State Phenomena</i> , <b>2012</b> , 190, 369-372	0.4	3
48	Plasmonic crystals for ultrafast nanophotonics: Optical switching of surface plasmon polaritons. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	49
47	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> , <b>2012</b> , 29, A103	1.7	11
46	Fabry-Pérot plasmonic structures for nanophotonics. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2012</b> , 29, 294	1.7	33
45	Studying periodic nanostructures by probing the in-sample optical far-field using coherent phonons. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 243117	3.4	3
44	Dynamics of surface plasmon polaritons in plasmonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 1111	1.7	5
43	Optical properties of one-dimensional metal-dielectric diffraction gratings. <i>Journal of Optical Technology (A Translation of Opticheskiy Zhurnal)</i> , <b>2011</b> , 78, 291	0.9	3
42	Enhanced magneto-optical effects in magnetoplasmonic crystals. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 370-628.7	401	



41	Inverse Faraday effect in plasmonic films. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , <b>2011</b> , 66, 238-241	0.7	
40	Intensity magneto-optical effect in magnetoplasmonic crystals. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 303, 012038	0.3	7
39	Inverse Faraday effect in plasmonic heterostructures. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 092003	0.3	16
38	Optical properties of two-layer one-dimensional magneto-plasmonic crystals. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , <b>2010</b> , 77, 784	0.9	
37	On surface plasmon polariton wavepacket dynamics in metal-dielectric heterostructures. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 395301	1.8	5
36	Giant transversal Kerr effect in magneto-plasmonic heterostructures: The scattering-matrix method. <i>Journal of Experimental and Theoretical Physics</i> , <b>2010</b> , 110, 816-824	1	41
35	Slow light phenomenon and extraordinary magneto-optical effects in periodic nanostructured media. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 826-828	2.8	6
34	Magnetic excitations in (SiO <sub>2</sub> )Co nano-composite films: Brillouin light scattering study. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 876-879	2.8	4
33	Optical properties of perforated metal-dielectric heterostructures magnetized in the plane. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 1656-1662	0.8	6
32	Giant magneto-optical orientational effect in plasmonic heterostructures. <i>Optics Letters</i> , <b>2009</b> , 34, 398-400		28
31	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> , <b>2009</b> , 26, 1594	1.7	77
30	RF magnetron sputtered (BiDy) <sub>3</sub> (FeGa) <sub>5</sub> O <sub>12</sub> :Bi <sub>2</sub> O <sub>3</sub> composite garnet-oxide materials possessing record magneto-optic quality in the visible spectral region. <i>Optics Express</i> , <b>2009</b> , 17, 19519-35	3.3	36
29	Gyroscopic force acting on the magnetic vortex in a weak ferromagnet. <i>JETP Letters</i> , <b>2008</b> , 87, 381-384	1.2	8
28	Novel Magnetic Photonic Crystal Structures for Magnetic Field Sensors and Visualizers. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 323-328	2	46
27	Magneto-optical effects in the metal-dielectric gratings. <i>Optics Communications</i> , <b>2007</b> , 278, 104-109	2	48
26	Magneto-optical properties of perforated metallic films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, e843-e845	2.8	9
25	Magneto-optical effects in metal-dielectric plasmonic systems. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2007</b> , 71, 1530-1532	0.4	0
24	Faraday effect enhancement in metal-dielectric plasmonic systems <b>2007</b> , 6581, 158		6

23	Optical emission studies in Au/Ag nanoparticles. <i>Nanotechnology</i> , <b>2007</b> , 18, 365701	3.4	11
22	Magneto-optical effects at the Rayleigh-Wood and plasmon anomalies <b>2007</b> , 6728, 107		4
21	Optical properties of toroidal media <b>2007</b> ,		7
20	Extraordinary magneto-optical effects and transmission through metal-dielectric plasmonic systems. <i>Physical Review Letters</i> , <b>2007</b> , 98, 077401	7.4	182
19	Effect of oblique light incidence on magneto-optical properties of one-dimensional photonic crystals. <i>IEEE Transactions on Magnetics</i> , <b>2006</b> , 42, 382-388	2	11
18	Magneto-optics and extraordinary transmission of the perforated metallic films magnetized in polar geometry. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e260-e263	2.8	31
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14	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> , <b>2005</b> , 22, 228	1.7	5
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12	Optical characterization of the polymer embedded alloyed bimetallic nanoparticles. <i>European Physical Journal B</i> , <b>2005</b> , 45, 317-324	1.2	11
11	Induced Phase Transition in BiFeO <sub>3</sub> by High-Field Electron Spin Resonance. <i>Ferroelectrics</i> , <b>2004</b> , 301, 229-234	0.6	1
10	Magneto-optical properties of two dimensional photonic crystals. <i>European Physical Journal B</i> , <b>2004</b> , 37, 479-487	1.2	41
9	Magnetic-field-induced phase transition in BiFeO <sub>3</sub> observed by high-field electron spin resonance: Cycloidal to homogeneous spin order. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	344
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