

# Andrey A Fedyanin

## List of Publications by Year in descending order

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290  
papers

5,868  
citations

109137

35  
h-index

95083

68  
g-index

291  
all docs

291  
docs citations

291  
times ranked

4586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface profile-tailored magneto-optics in magnetoplasmonic crystals. <i>APL Photonics</i> , 2022, 7, .	3.0	8
2	Miniature Otto Prism Coupler for Integrated Photonics. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	12
3	Nonlinear Excitation and Self-Action of Bloch Surface Waves Governed by Gradient Optical Forces. <i>ACS Photonics</i> , 2022, 9, 211-216.	3.2	6
4	Externally Driven Nonlinear Time-Variant Metasurfaces. <i>ACS Photonics</i> , 2022, 9, 493-502.	3.2	11
5	CaCO <sub>3</sub> Nanoparticles Coated with Alternating Layers of Poly-L-Arginine Hydrochloride and Fe <sub>3</sub> O <sub>4</sub> Nanoparticles as Navigable Drug Carriers and Hyperthermia Agents. <i>ACS Applied Nano Materials</i> , 2022, 5, 2994-3006.	2.4	17
6	Nonlinear Exciton-Mie Coupling in Transition Metal Dichalcogenide Nanoresonators. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	29
7	Efficient Emission Outcoupling from Perovskite Lasers into Highly Directional and Long-Propagation Length Bloch Surface Waves. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	15
8	Bloch Surface Wave-Assisted Ultrafast All-Optical Switching in Graphene. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	9
9	Single-cell all-optical coherence elastography with optical tweezers. <i>Biomedical Optics Express</i> , 2022, 13, 14.	1.5	6
10	Probing higher order optical modes in all-dielectric nanodisk, -square, and -triangle by aperture type scanning near-field optical microscopy. <i>Nanophotonics</i> , 2022, 11, 543-557.	2.9	3
11	Broadband Optical Constants and Nonlinear Properties of SnS <sub>2</sub> and SnSe <sub>2</sub> . <i>Nanomaterials</i> , 2022, 12, 141.	1.9	11
12	Optical Levitation of Mie-Resonant Silicon Particles in the Field of Bloch Surface Electromagnetic Waves. <i>JETP Letters</i> , 2022, 115, 136-140.	0.4	6
13	Optical second harmonic generation: role of symmetry and local resonances (review). <i>Quantum Electronics</i> , 2022, 52, 407-312.	0.3	3
14	Nonlinear response of Q-boosting metasurfaces beyond the time-bandwidth limit. <i>Nanophotonics</i> , 2022, 11, 4053-4061.	2.9	10
15	Effect of pyrolysis on microstructures made of various photoresists by two-photon polymerization: comparative study. <i>Optical Materials Express</i> , 2021, 11, 371.	1.6	27
16	Optical Third-Harmonic Generation in Hexagonal Boron Nitride Thin Films. <i>ACS Photonics</i> , 2021, 8, 824-831.	3.2	26
17	Third-harmonic light polarization control in magnetically resonant silicon metasurfaces. <i>Optics Express</i> , 2021, 29, 11605.	1.7	16
18	Visible upconversion luminescence of doped bulk silicon for a multimodal wafer metrology. <i>Optics Letters</i> , 2021, 46, 3071.	1.7	2

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19	Single Cell Elastography using Optical Tweezers and Optical Coherence Tomography. , 2021, , .		0
20	Optical Coherence Microscopy for Integrated Photonics Devices Imaging. , 2021, , .		0
21	Mie-driven directional nanocoupler for Bloch surface wave photonic platform. Nanophotonics, 2021, 10, 2939-2947.	2.9	19
22	Spontaneous Light Emission Assisted by Mie Resonances in Diamond Nanoparticles. Nano Letters, 2021, 21, 10127-10132.	4.5	9
23	Wave theory of virtual image [Invited]. Optical Materials Express, 2021, 11, 3646.	1.6	5
24	Single-walled carbon nanotube membranes as non-reflective substrates for nanophotonic applications. Nanotechnology, 2021, 32, 095206.	1.3	4
25	Optimization of Multilayer Photonic Structures using Artificial Neural Networks to Obtain a Target Optical Response. JETP Letters, 2021, 114, 321-325.	0.4	5
26	Purcell enhancement of fluorescence from silicon-vacancy color centers in Mie-resonant luminescent diamond particles. Journal of Physics: Conference Series, 2021, 2015, 012101.	0.3	0
27	Pump-probe spectroscopy in gold-garnet magnetoplasmonic metasurfaces. Journal of Physics: Conference Series, 2021, 2015, 012034.	0.3	0
28	Tunable GaAs metasurfaces for ultrafast image processing. Journal of Physics: Conference Series, 2021, 2015, 012057.	0.3	1
29	Directional luminescence of the diamond NV center via Bloch surface waves in one-dimensional photonic crystals. Journal of Physics: Conference Series, 2021, 2015, 012022.	0.3	0
30	Theoretical study of surface states excitation in one-dimensional photonic crystal by halide perovskite microstructures. Journal of Physics: Conference Series, 2021, 2015, 012115.	0.3	0
31	Subwavelength probing of surface plasmons in magnetoplasmonic crystals. Journal of Physics: Conference Series, 2021, 2015, 012041.	0.3	1
32	Phase-Sensitive Optical Coherence Microscopy of Integrated Nanophotonics Devices. Journal of Physics: Conference Series, 2021, 2015, 012143.	0.3	1
33	Pyrolyzed microstructures made by two-photon polymerization: comparative study. , 2021, , .		0
34	Spatial Separation of Scalar Light Beams with Orbital Angular Momentum Using a Phase Metasurface. JETP Letters, 2021, 114, 441-446.	0.4	2
35	Colossal magnetic fields in high refractive index materials at microwave frequencies. Scientific Reports, 2021, 11, 23453.	1.6	6
36	Tailoring Third-Harmonic Diffraction Efficiency by Hybrid Modes in High-Q Metasurfaces. Nano Letters, 2021, 21, 10438-10445.	4.5	23

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37	Nonlinear and ultrafast effects. , 2020, , 223-248.		2
38	Third harmonic generation from polymer nanocomposite with embedded CdSe quantum dots. Journal of Physics: Conference Series, 2020, 1461, 012006.	0.3	1
39	Ultrafast Magneto-Optics in Nickel Magnetoplasmonic Crystals. Nano Letters, 2020, 20, 8615-8619.	4.5	19
40	Optical Coherence Microscopy Combined with Optical Tweezers for Studying Cellular Mechanics. Bulletin of the Lebedev Physics Institute, 2020, 47, 136-139.	0.1	1
41	Magnetic field driven light control by hybrid magneto-optical metasurfaces. Journal of Physics: Conference Series, 2020, 1461, 012010.	0.3	0
42	Miniature Otto configuration implemented by two-photon laser lithography. Journal of Physics: Conference Series, 2020, 1461, 012147.	0.3	2
43	Ultrafast all-optical GaAs nanoswitch for photonic integrated circuitry. Journal of Physics: Conference Series, 2020, 1461, 012167.	0.3	1
44	Multimode Interference of Bloch Surface Electromagnetic Waves. ACS Nano, 2020, 14, 10428-10437.	7.3	34
45	Pyrolyzed 3D compound refractive lens. Journal of Physics: Conference Series, 2020, 1461, 012129.	0.3	0
46	Collective magnetic modes excitation in GaAs nanoclusters by azimuthally polarized vector beams. Journal of Physics: Conference Series, 2020, 1461, 012192.	0.3	0
47	All-optical image recognition based on polarisation-insensitive silicon metasurfaces. AIP Conference Proceedings, 2020, , .	0.3	0
48	Doxorubicin Loaded Magnetosensitive Water-Soluble Nanogel Based on NIPAM and Iron (3+) Containing Nanoparticles. Macromolecular Symposia, 2020, 389, 1900072.	0.4	3
49	Dark mode enhancing magneto-optical Kerr effect in multilayer magnetoplasmonic crystals. Physical Review B, 2020, 101, .	1.1	16
50	Ultrafast all-optical switching in the presence of Bloch surface waves. Journal of Physics: Conference Series, 2020, 1461, 012134.	0.3	5
51	Engineering of optical, magneto-optical and magnetic properties of nickel-based one-dimensional magnetoplasmonic crystals. Japanese Journal of Applied Physics, 2020, 59, SEEA08.	0.8	5
52	Magnetic field sensor based on magnetoplasmonic crystal. Scientific Reports, 2020, 10, 7133.	1.6	37
53	Bound States in the Continuum in Magnetophotonic Metasurfaces. JETP Letters, 2020, 111, 46-49.	0.4	25
54	Enhanced Nonlinear Light Generation in Oligomers of Silicon Nanoparticles under Vector Beam Illumination. Nano Letters, 2020, 20, 3471-3477.	4.5	35

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55	Virtual Image within a Transparent Dielectric Sphere. JETP Letters, 2020, 112, 341-345.	0.4	8
56	Efficient Integration of Single-Photon Emitters in Thin InSe Films into Resonance Silicon Waveguides. JETP Letters, 2020, 112, 693-698.	0.4	6
57	Observation and nonlinear optical probing of flat band states in high-Q dielectric metasurfaces. , 2020, , .		0
58	Nonlinear Light Generation Driven by Collective Magnetic Modes in Oligomers of Silicon Nanoparticles Excited by Vector Beams. , 2020, , .		0
59	Directional excitation of bloch surface wave with silicon nanoparticle. AIP Conference Proceedings, 2020, , .	0.3	0
60	Tailoring Nonlinear Diffraction in Silicon Metasurfaces. , 2020, , .		0
61	Time-dependent metasurfaces for efficient all-optical switching at different frequencies. AIP Conference Proceedings, 2020, , .	0.3	0
62	Third Harmonic Generation in Hexagonal Boron Nitride Flakes. , 2020, , .		0
63	Ultrafast Light Redistribution Between Diffraction Orders by GaAs Metasurface. , 2020, , .		0
64	Electro-optical modulation in waveguides of Mie-resonant nanoparticle chains combined with quantum wells. AIP Conference Proceedings, 2020, , .	0.3	0
65	Tailored Nonlinear Anisotropy in Mie-Resonant Dielectric Oligomers. Advanced Optical Materials, 2019, 7, 1900447.	3.6	18
66	Tunable multimodal magnetoplasmonic metasurfaces. Applied Physics Letters, 2019, 115, .	1.5	18
67	Ultrafast All-Optical Switching in III-V Semiconductor Resonant Nanostructures. , 2019, , .		1
68	Low-Power Absorption Saturation in Semiconductor Metasurfaces. ACS Photonics, 2019, 6, 2797-2806.	3.2	25
69	Enhanced Second-Harmonic Generation with Structured Light in AlGaAs Nanoparticles Governed by Magnetic Response. JETP Letters, 2019, 109, 131-135.	0.4	15
70	Enhanced magneto-optical effects in hybrid Ni-Si metasurfaces. APL Photonics, 2019, 4, .	3.0	37
71	Ultrafast All-Optical Light Control with Tamm Plasmons in Photonic Nanostructures. ACS Photonics, 2019, 6, 844-850.	3.2	40
72	Permalloy-based magnetoplasmonic crystals for sensor applications. Journal of Magnetism and Magnetic Materials, 2019, 482, 292-295.	1.0	19

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73	Optical performance and radiation stability of polymer X-ray refractive nano-lenses. Journal of Synchrotron Radiation, 2019, 26, 714-719.	1.0	12
74	Bloch-Surface-Waves Controlling Devices Fabricated by Two-Photon Polymerization. , 2019, , .		0
75	High order Fano resonances and giant magnetic fields in dielectric microspheres. Scientific Reports, 2019, 9, 20293.	1.6	40
76	Thermophoresis-Assisted Microscale Magnus Effect in Optical Traps. JETP Letters, 2019, 110, 750-754.	0.4	1
77	Optical Coupling between Resonant Dielectric Nanoparticles and Dielectric Nanowires Probed by Third Harmonic Generation Microscopy. ACS Photonics, 2019, 6, 189-195.	3.2	11
78	Ptychographic characterisation of polymer compound refractive lenses manufactured by additive technology. Optics Express, 2019, 27, 8639.	1.7	24
79	Structured Light for Second-Harmonic Spectroscopy in Mie-Resonant AlGaAs Nanoparticles. , 2019, , .		0
80	Experimental evaluation of chemical resistance of steatite products towards aluminum-based melts. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 725-732.	0.2	0
81	The influence of wet milling of aluminum and aluminum alloys powder screenings on the characteristics of the aluminum-based pastes. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 674-680.	0.2	0
82	Midinfrared Surface Plasmons in Carbon Nanotube Plasmonic Metasurface. Physical Review Applied, 2018, 9, .	1.5	14
83	Phase matching with Tamm plasmons for enhanced second- and third-harmonic generation. Physical Review B, 2018, 97, .	1.1	29
84	Plasmon induced modification of silicon nanocrystals photoluminescence in presence of gold nanostripes. Scientific Reports, 2018, 8, 4911.	1.6	22
85	Polarization-Dependent Second Harmonic Diffraction from Resonant GaAs Metasurfaces. ACS Photonics, 2018, 5, 1786-1793.	3.2	74
86	Selective Third-Harmonic Generation by Structured Light in Mie-Resonant Nanoparticles. ACS Photonics, 2018, 5, 728-733.	3.2	87
87	Manipulating the light intensity by magnetophotonic metasurfaces. Journal of Magnetism and Magnetic Materials, 2018, 459, 165-170.	1.0	17
88	Ultrafast dynamics of light scattering in resonant GaAs nanoantennas. Journal of Physics: Conference Series, 2018, 1092, 012141.	0.3	1
89	Optical coupling between resonant dielectric nanoparticles and dielectric waveguides probed by third harmonic generation microscopy. Journal of Physics: Conference Series, 2018, 1092, 012104.	0.3	1
90	Enhancement of the intensity magneto-optical effect in magnetophotonic metasurfaces. Journal of Physics: Conference Series, 2018, 1092, 012094.	0.3	0

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91	Intensity-dependent reflectance modulation of femtosecond laser pulses in GaAs nanocylinders with magnetic resonances. Journal of Physics: Conference Series, 2018, 1092, 012181.	0.3	1
92	Bloch Surface Wave Photonic Device Fabricated by Femtosecond Laser Polymerisation Technique. Applied Sciences (Switzerland), 2018, 8, 63.	1.3	14
93	Saturation of fluorescence from NV centers in Mie-resonant diamond particles. Journal of Physics: Conference Series, 2018, 1092, 012102.	0.3	1
94	Strong light-matter interaction in tungsten disulfide nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 20812-20820.	1.3	44
95	Optical Effects Induced by Bloch Surface Waves in One-Dimensional Photonic Crystals. Applied Sciences (Switzerland), 2018, 8, 127.	1.3	11
96	Nonlinear self-action of Bloch surface waves governed by gradient optical forces. , 2018, , .		0
97	Enhanced magneto-optical effects in dielectric Mie-resonant metasurfaces. , 2018, , .		0
98	Local field coupling effects in silicon oligomers revealed by third-harmonic generation microscopy. , 2018, , .		0
99	Third-harmonic generation from Mie-type resonances of isolated all-dielectric nanoparticles. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160281.	1.6	34
100	Nonlinear polymer/quantum dots nanocomposite for two-photon nanolithography of photonic devices. Proceedings of SPIE, 2017, , .	0.8	2
101	Bloch-surface-waves-induced fano resonance in magneto-optical response of magnetophotonic crystals. , 2017, , .		1
102	Nonlinear Symmetry Breaking in Symmetric Oligomers. ACS Photonics, 2017, 4, 454-461.	3.2	32
103	Gamma globulins-induced interaction between two red blood cells: forces measurement with optical tweezers. , 2017, , .		0
104	Femtosecond relaxation dynamics of Tamm plasmon-polaritons (Conference Presentation). , 2017, , .		0
105	Ultrafast all-optical tuning of direct-gap semiconductor metasurfaces. Nature Communications, 2017, 8, 17.	5.8	300
106	Optical Magnetism and Fundamental Modes of Nanodiamonds. ACS Photonics, 2017, 4, 1153-1158.	3.2	26
107	Nonlinear anisotropy in silicon nanoparticle oligomers. AIP Conference Proceedings, 2017, , .	0.3	0
108	Near-Field Mapping of Optical Fabry-Perot Modes in All-Dielectric Nanoantennas. Nano Letters, 2017, 17, 7629-7637.	4.5	17

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109	Magneto-Optical Response Enhanced by Mie Resonances in Nanoantennas. ACS Photonics, 2017, 4, 2390-2395.	3.2	76
110	Bloch-surface-wave-induced Fano resonance in magnetophotonic crystals. Physical Review B, 2017, 96, .	1.1	25
111	Directional Optical Sorting of Silicon Nanoparticles. ACS Photonics, 2017, 4, 2312-2319.	3.2	35
112	The correlation between magneto-optical response and magnetic dipole resonance excitation in subwavelength silicon-nickel nanogratings. AIP Conference Proceedings, 2017, , .	0.3	0
113	Ultrafast modulation of femtosecond laser pulses in direct-gap semiconductor metasurfaces with magnetic resonances. AIP Conference Proceedings, 2017, , .	0.3	0
114	Magneto-optical effects from nanoparticles enhanced by Mie resonances. , 2017, , .		0
115	Sub-picosecond all-optical switching of Tamm plasmons. AIP Conference Proceedings, 2017, , .	0.3	0
116	Polymer X-ray refractive nano-lenses fabricated by additive technology. Optics Express, 2017, 25, 14173.	1.7	29
117	Bloch-surface-waves based photonic devices studied by leakage radiation microscopy. AIP Conference Proceedings, 2017, , .	0.3	0
118	Femtosecond intrapulse evolution of Faraday rotation. , 2017, , .		0
119	Ultrafast all-optical tuning of magnetic modes in GaAs metasurfaces. , 2017, , .		2
120	Sub-Picosecond All-Optical Switching of Tamm Plasmons in Photonic Crystals. , 2017, , .		0
121	Observation of Spontaneous Symmetry Breaking in Nanostructures. , 2016, , .		0
122	Glycoprotein IIB-IIIA inhibitor, monafram decelerate the early phase of red blood cells aggregation. Journal of Cellular Biotechnology, 2016, 2, 15-22.	0.1	2
123	Free-carrier contribution to all-optical switching in Mie-resonant hydrogenated amorphous silicon nanodisks. Proceedings of SPIE, 2016, , .	0.8	0
124	Detection of Brownian Torque in a Magnetically-Driven Rotating Microsystem. Scientific Reports, 2016, 6, 21212.	1.6	15
125	Ultrafast control of third-order optical nonlinearities in fishnet metamaterials. Scientific Reports, 2016, 6, 28440.	1.6	16
126	Measurements of the femtosecond relaxation dynamics of Tamm plasmon-polaritons. Applied Physics Letters, 2016, 109, .	1.5	18



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127	Third harmonic generation in isolated all dielectric meta-atoms (Conference Presentation). , 2016, , .		0
128	Refractive index sensor based on magnetoplasmonic crystals. Journal of Magnetism and Magnetic Materials, 2016, 415, 72-76.	1.0	41
129	SERS-active dielectric metamaterials based on periodic nanostructures. Optics Express, 2016, 24, 7133.	1.7	21
130	Near-field probing of Bloch surface waves in a dielectric multilayer using photonic force microscopy. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1120.	0.9	12
131	Localized-to-propagating surface plasmon transitions in gold nanoslit gratings. JETP Letters, 2016, 103, 46-50.	0.4	2
132	Optical properties of silicon nanocrystals covered by periodic array of gold nanowires. Physical Review B, 2016, 93, .	1.1	14
133	Multifold Enhancement of Third-Harmonic Generation in Dielectric Nanoparticles Driven by Magnetic Fano Resonances. Nano Letters, 2016, 16, 4857-4861.	4.5	176
134	Multipolar Third-Harmonic Generation in Fishnet Metamaterials. ACS Photonics, 2016, 3, 1494-1499.	3.2	20
135	Magneto-optical switching of Bloch surface waves in magnetophotonic crystals. Journal of Magnetism and Magnetic Materials, 2016, 415, 82-86.	1.0	9
136	Optical harmonics generation in metal/dielectric heterostructures in the presence of Tamm plasmon-polaritons. , 2016, , .		0
137	Optical tweezers study of red blood cell aggregation and disaggregation in plasma and protein solutions. Journal of Biomedical Optics, 2016, 21, 035001.	1.4	71
138	Biological Collections: Chasing the Ideal. Acta Naturae, 2016, 8, 6-9.	1.7	11
139	Enhanced third-harmonic generation in silicon oligomers driven by magnetic Fano resonance. , 2016, , .		0
140	Detection of Brownian Torque in Magnetically-Driven Rotating Microparticles. , 2016, , .		0
141	Ultrafast Nonlinearities Driven by Magnetic Response in All-Dielectric Nanostructures. , 2016, , .		0
142	Direct measurements of magnetic interaction-induced cross-correlations of two microparticles in Brownian motion. Scientific Reports, 2015, 5, 10491.	1.6	14
143	Composite SERS-based satellites navigated by optical tweezers for single cell analysis. Analyst, The, 2015, 140, 4981-4986.	1.7	36
144	Direct measurements of forces induced by Bloch surface waves in a one-dimensional photonic crystal. Optics Letters, 2015, 40, 4883.	1.7	37

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145	Transverse magneto-optical Kerr effect in 2D gold-garnet nanogratings. Journal of Magnetism and Magnetic Materials, 2015, 383, 110-113.	1.0	13
146	Magnetic Properties of Magnetoplasmonic Crystals Based on Commercial Digital Discs. Acta Physica Polonica A, 2015, 127, 546-548.	0.2	3
147	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. ACS Photonics, 2015, 2, 578-582.	3.2	124
148	Ultrafast dynamics of Faraday rotation in thin films. , 2015, , .		1
149	Plasmon ruler with gold nanorod dimers: utilizing the second-order resonance. Optics Letters, 2015, 40, 1571.	1.7	6
150	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. Nano Letters, 2015, 15, 6985-6990.	4.5	362
151	Third-Harmonic Generation from Silicon Oligomers and Metasurfaces. , 2015, , .		0
152	Femtosecond pulse shaping with plasmonic crystals. JETP Letters, 2015, 101, 787-792.	0.4	7
153	Photonic force microscopy of surface electromagnetic waves in a one-dimensional photonic crystal. , 2015, , .		2
154	Femtosecond control of magneto-optical effects in magnetoplasmonic crystals. , 2015, , .		0
155	Third-harmonic spectroscopy of all-dielectric oligomers with both electric and magnetic resonances. , 2014, , .		0
156	Second-harmonic generation enhancement in the presence of Tamm plasmon-polaritons. Optics Letters, 2014, 39, 6895.	1.7	30
157	Polarization-sensitive correlation spectroscopy of Faraday-effect femtosecond dynamics. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 43-48.	0.1	1
158	Trap position control in the vicinity of reflecting surfaces in optical tweezers. JETP Letters, 2014, 98, 644-647.	0.4	14
159	Femtosecond intrapulse evolution of the magneto-optic Kerr effect in magnetoplasmonic crystals. Physical Review B, 2014, 90, .	1.1	14
160	Enhanced Third-Harmonic Generation in Silicon Nanoparticles Driven by Magnetic Response. Nano Letters, 2014, 14, 6488-6492.	4.5	522
161	An effect of glycoprotein IIb/IIIa inhibitors on the kinetics of red blood cells aggregation. Clinical Hemorheology and Microcirculation, 2014, 57, 291-302.	0.9	9
162	Photonic-Force Microscopy of Surface Modes in One-Dimensional Photonic Crystals. , 2013, , .		0

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163	Observation of hybrid state of Tamm and surface plasmon-polaritons in one-dimensional photonic crystals. Applied Physics Letters, 2013, 103, .	1.5	112
164	Recent Advances in Nanoplasmonics and Magnetoplasmonics. Nanostructure Science and Technology, 2013, , 41-75.	0.1	2
165	Nonlinear Magneto-Optics in Magnetophotonic Crystals. Springer Series in Materials Science, 2013, , 191-223.	0.4	0
166	Transversal magneto-optical Kerr effect in two-dimensional nickel magnetoplasmonic crystals. Journal of Applied Physics, 2013, 113, .	1.1	11
167	Magnetoplasmonic crystals based on commercial digital discs. Journal of Applied Physics, 2013, 113, .	1.1	13
168	Magnetic field-controlled femtosecond pulse shaping by magnetoplasmonic crystals. Journal of Applied Physics, 2013, 113, 17A947.	1.1	8
169	Magnetic Field-Controlled Shaping of Femtosecond Laser Pulses Reflected from Magnetoplasmonic Crystals. , 2013, , .		0
170	Giant Second-Harmonic Generation Enhancement in the Presence of Tamm Plasmon-Polariton. , 2013, , .		2
171	Shaping of Femtosecond Laser Pulses with Plasmonic Crystals. , 2013, , .		0
172	Cellular viscoelasticity probed by active rheology in optical tweezers. Journal of Biomedical Optics, 2012, 17, 101510.	1.4	26
173	Normal and system lupus erythematosus red blood cell interactions studied by double trap optical tweezers: direct measurements of aggregation forces. Journal of Biomedical Optics, 2012, 17, 025001.	1.4	31
174	Handedness-sensitive emission of surface plasmon polaritons by elliptical nanohole ensembles. Optics Express, 2012, 20, 10538.	1.7	9
175	High mobility thin film transistors with indium oxide/gallium oxide bi-layer structures. Applied Physics Letters, 2012, 100, 063506.	1.5	12
176	Ultrafast Polarization Shaping with Fano Plasmonic Crystals. Physical Review Letters, 2012, 108, 253903.	2.9	23
177	Femtosecond time-resolved Faraday rotation in thin magnetic films and magnetophotonic crystals. Journal of Applied Physics, 2012, 111, .	1.1	6
178	Contribution of the magnetic resonance to the third harmonic generation from a fishnet metamaterial. Physical Review B, 2012, 86, .	1.1	31
179	Resonant surface magnetoplasmons in two-dimensional magnetoplasmonic crystals excited in Faraday configuration. Journal of Applied Physics, 2012, 111, 07A946.	1.1	11
180	Magneto-optical Kerr effect enhancement at the Wood's anomaly in magnetoplasmonic crystals. Journal of Magnetism and Magnetic Materials, 2012, 324, 3516-3518.	1.0	51

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181	Probing of pair interaction of magnetic microparticles with optical tweezers. JETP Letters, 2012, 95, 560-564.	0.4	8
182	Magnetoplasmonic nanostructures based on nickel inverse opal slabs. Journal of Applied Physics, 2012, 111, .	1.1	33
183	Correlation function analysis of optically trapped paramagnetic microparticles in external magnetic field. Proceedings of SPIE, 2012, , .	0.8	0
184	RBC elastic properties studied by means of active rheology approach. Proceedings of SPIE, 2012, , .	0.8	0
185	Near-field optical microscopy of plasmonic effects in anisotropic metamaterials. Physica C: Superconductivity and Its Applications, 2012, 479, 183-185.	0.6	1
186	Giant Goos-Hänchen Effect and Fano Resonance at Photonic Crystal Surfaces. Physical Review Letters, 2012, 108, 123901.	2.9	143
187	Garnet composite films with Au particles fabricated by repetitive formation for enhancement of Faraday effect. Journal Physics D: Applied Physics, 2011, 44, 064014.	1.3	28
188	Efficient bidirectional optical harmonics generation in three-dimensional photonic crystals. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1680.	0.9	7
189	Near-field optical polarimetry of plasmonic nanowires. JETP Letters, 2011, 93, 720-724.	0.4	8
190	Optical properties of 1D metal nanogratings. Journal of Surface Investigation, 2011, 5, 941-944.	0.1	0
191	One-dimensional magnetophotonic crystals based on double-layer Bi-substituted iron garnet films. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 19-23.	0.5	14
192	Surface-plasmon relaxation dynamics in planar plasmonic crystals. , 2010, , .		0
193	Double trap optical tweezers as a tool for direct studying of single red blood cell aggregation. , 2010, , .		1
194	Surface-plasmon-induced enhancement of magneto-optical Kerr effect in all-nickel subwavelength nanogratings. Applied Physics Letters, 2010, 97, .	1.5	130
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