

Andrey A Fedyanin

List of Publications by Year in descending order

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290
papers

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109137

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95083

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291
all docs

291
docs citations

291
times ranked

4586
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Third-Harmonic Generation in Silicon Nanoparticles Driven by Magnetic Response. Nano Letters, 2014, 14, 6488-6492.	4.5	522
2	Magnetophotonic crystals. Journal Physics D: Applied Physics, 2006, 39, R151-R161.	1.3	387
3	Ultrafast All-Optical Switching with Magnetic Resonances in Nonlinear Dielectric Nanostructures. Nano Letters, 2015, 15, 6985-6990.	4.5	362
4	Ultrafast all-optical tuning of direct-gap semiconductor metasurfaces. Nature Communications, 2017, 8, 17.	5.8	300
5	Multifold Enhancement of Third-Harmonic Generation in Dielectric Nanoparticles Driven by Magnetic Fano Resonances. Nano Letters, 2016, 16, 4857-4861.	4.5	176
6	Giant Goos-Hänchen Effect and Fano Resonance at Photonic Crystal Surfaces. Physical Review Letters, 2012, 108, 123901.	2.9	143
7	Surface-plasmon-induced enhancement of magneto-optical Kerr effect in all-nickel subwavelength nanogratings. Applied Physics Letters, 2010, 97, .	1.5	130
8	Nonlinear Interference and Tailorable Third-Harmonic Generation from Dielectric Oligomers. ACS Photonics, 2015, 2, 578-582.	3.2	124
9	Observation of hybrid state of Tamm and surface plasmon-polaritons in one-dimensional photonic crystals. Applied Physics Letters, 2013, 103, .	1.5	112
10	Anomalous Faraday effect of a system with extraordinary optical transmittance. Optics Express, 2007, 15, 6612.	1.7	111
11	Selective Third-Harmonic Generation by Structured Light in Mie-Resonant Nanoparticles. ACS Photonics, 2018, 5, 728-733.	3.2	87
12	Optical second-harmonic generation induced by a dc electric field at the Si/SiO ₂ interface. Optics Letters, 1994, 19, 1450.	1.7	81
13	Magneto-Optical Response Enhanced by Mie Resonances in Nanoantennas. ACS Photonics, 2017, 4, 2390-2395.	3.2	76
14	Polarization-Dependent Second Harmonic Diffraction from Resonant GaAs Metasurfaces. ACS Photonics, 2018, 5, 1786-1793.	3.2	74
15	dc-electric-field-induced second-harmonic generation in Si(111)-SiO ₂ -Cr metal-oxide-semiconductor structures. Physical Review B, 1996, 54, 1825-1832.	1.1	73
16	dc-electric-field-induced and low-frequency electromodulation second-harmonic generation spectroscopy of Si(001)/SiO ₂ interfaces. Physical Review B, 1999, 60, 8924-8938.	1.1	73
17	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
18	Giant microcavity enhancement of second-harmonic generation in all-silicon photonic crystals. Applied Physics Letters, 2002, 81, 2725-2727.	1.5	67

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19	Fluorescence emission enhanced by surface electromagnetic waves on one-dimensional photonic crystals. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	54
20	Enhanced Faraday and nonlinear magneto-optical Kerr effects in magnetophotonic crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 282, 256-259.	1.0	51
21	Magneto-optical Kerr effect enhancement at the Wood's anomaly in magnetoplasmonic crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3516-3518.	1.0	51
22	Second-harmonic generation in metal and semiconductor low-dimensional structures. <i>Surface Science</i> , 1995, 325, 343-355.	0.8	50
23	Giant optical second-harmonic generation in single and coupled microcavities formed from one-dimensional photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2129.	0.9	48
24	Nonlinear Verdet law in magnetophotonic crystals: Interrelation between Faraday and Borrmann effects. <i>Physical Review B</i> , 2008, 78, .	1.1	47
25	Nonlinear diffraction and second-harmonic generation enhancement in silicon-opal photonic crystals. <i>Applied Physics Letters</i> , 2005, 87, 151111.	1.5	46
26	Strong light-matter interaction in tungsten disulfide nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20812-20820.	1.3	44
27	Refractive index sensor based on magnetoplasmonic crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 415, 72-76.	1.0	41
28	Ultrafast All-Optical Light Control with Tamm Plasmons in Photonic Nanostructures. <i>ACS Photonics</i> , 2019, 6, 844-850.	3.2	40
29	High order Fano resonances and giant magnetic fields in dielectric microspheres. <i>Scientific Reports</i> , 2019, 9, 20293.	1.6	40
30	Full Poincaré sphere coverage with plasmonic nanoslit metamaterials at Fano resonance. <i>Physical Review B</i> , 2010, 82, .	1.1	37
31	Direct measurements of forces induced by Bloch surface waves in a one-dimensional photonic crystal. <i>Optics Letters</i> , 2015, 40, 4883.	1.7	37
32	Enhanced magneto-optical effects in hybrid Ni-Si metasurfaces. <i>APL Photonics</i> , 2019, 4, .	3.0	37
33	Magnetic field sensor based on magnetoplasmonic crystal. <i>Scientific Reports</i> , 2020, 10, 7133.	1.6	37
34	Magnetization-induced second harmonic generation in magnetophotonic microcavities based on ferrite garnets. <i>JETP Letters</i> , 2002, 76, 527-531.	0.4	36
35	Magnetization-induced second-harmonic generation in magnetophotonic crystals. <i>Physical Review B</i> , 2004, 70, .	1.1	36
36	Composite SERS-based satellites navigated by optical tweezers for single cell analysis. <i>Analyst</i> , The, 2015, 140, 4981-4986.	1.7	36

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37	Giant second harmonic generation in microcavities based on porous silicon photonic crystals. JETP Letters, 2001, 73, 6-9.	0.4	35
38	Directional Optical Sorting of Silicon Nanoparticles. ACS Photonics, 2017, 4, 2312-2319.	3.2	35
39	Enhanced Nonlinear Light Generation in Oligomers of Silicon Nanoparticles under Vector Beam Illumination. Nano Letters, 2020, 20, 3471-3477.	4.5	35
40	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
41	Multimode Interference of Bloch Surface Electromagnetic Waves. ACS Nano, 2020, 14, 10428-10437.	7.3	34
42	Third-harmonic generation in silicon photonic crystals and microcavities. Physical Review B, 2004, 70, .	1.1	33
43	Magnetoplasmonic nanostructures based on nickel inverse opal slabs. Journal of Applied Physics, 2012, 111, .	1.1	33
44	Giant third-harmonic in porous silicon photonic crystals and microcavities. JETP Letters, 2002, 75, 15-19.	0.4	32
45	Second- and third-harmonic generation in birefringent photonic crystals and microcavities based on anisotropic porous silicon. Applied Physics Letters, 2005, 87, 241110.	1.5	32
46	Nonlinear Symmetry Breaking in Symmetric Oligomers. ACS Photonics, 2017, 4, 454-461.	3.2	32
47	Magnetization-induced second- and third-harmonic generation in magnetic thin films and nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 138.	0.9	31
48	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
49	Contribution of the magnetic resonance to the third harmonic generation from a fishnet metamaterial. Physical Review B, 2012, 86, .	1.1	31
50	Second-harmonic generation enhancement in the presence of Tamm plasmon-polaritons. Optics Letters, 2014, 39, 6895.	1.7	30
51	Polymer X-ray refractive nano-lenses fabricated by additive technology. Optics Express, 2017, 25, 14173.	1.7	29
52	Phase matching with Tamm plasmons for enhanced second- and third-harmonic generation. Physical Review B, 2018, 97, .	1.1	29
53	Nonlinear Exciton-Mie Coupling in Transition Metal Dichalcogenide Nanoresonators. Laser and Photonics Reviews, 2022, 16, .	4.4	29
54	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

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55	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
56	Cellular viscoelasticity probed by active rheology in optical tweezers. <i>Journal of Biomedical Optics</i> , 2012, 17, 101510.	1.4	26
57	Optical Magnetism and Fundamental Modes of Nanodiamonds. <i>ACS Photonics</i> , 2017, 4, 1153-1158.	3.2	26
58	Optical Third-Harmonic Generation in Hexagonal Boron Nitride Thin Films. <i>ACS Photonics</i> , 2021, 8, 824-831.	3.2	26
59	Nonlinear magneto-optical Kerr effect in garnet magnetophotonic crystals. <i>Journal of Applied Physics</i> , 2004, 95, 7330-7332.	1.1	25
60	Bloch-surface-wave-induced Fano resonance in magnetophotonic crystals. <i>Physical Review B</i> , 2017, 96, .	1.1	25
61	Low-Power Absorption Saturation in Semiconductor Metasurfaces. <i>ACS Photonics</i> , 2019, 6, 2797-2806.	3.2	25
62	Bound States in the Continuum in Magnetophotonic Metasurfaces. <i>JETP Letters</i> , 2020, 111, 46-49.	0.4	25
63	Nonlinear magneto-optical Kerr effect in gyrotropic photonic band gap structures: magneto-photonic microcavities. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 96-98.	1.0	24
64	Magnetization-induced second- and third-harmonic generation in magnetophotonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 176.	0.9	24
65	Enhancement of Faraday rotation at photonic-band-gap edge in garnet-based magnetophotonic crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e253-e256.	1.0	24
66	Ptychographic characterisation of polymer compound refractive lenses manufactured by additive technology. <i>Optics Express</i> , 2019, 27, 8639.	1.7	24
67	D.c. electric field induced second-harmonic generation spectroscopy of the Si(001)â€“SiO ₂ interface: separation of the bulk and surface non-linear contributions. <i>Thin Solid Films</i> , 1997, 294, 231-234.	0.8	23
68	Ultrafast Polarization Shaping with Fano Plasmonic Crystals. <i>Physical Review Letters</i> , 2012, 108, 253903.	2.9	23
69	Tailoring Third-Harmonic Diffraction Efficiency by Hybrid Modes in High-Q Metasurfaces. <i>Nano Letters</i> , 2021, 21, 10438-10445.	4.5	23
70	Plasmon induced modification of silicon nanocrystals photoluminescence in presence of gold nanostripes. <i>Scientific Reports</i> , 2018, 8, 4911.	1.6	22
71	Surface wave-induced enhancement of the Goos-HÃnchen effect in one-dimensional photonic crystals. <i>JETP Letters</i> , 2010, 91, 382-386.	0.4	21
72	SERS-active dielectric metamaterials based on periodic nanostructures. <i>Optics Express</i> , 2016, 24, 7133.	1.7	21

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73	Phase-Matched Magnetization-Induced Second-Harmonic Generation in Yttrium-“Iron” Garnet Magnetophotonic Crystals. IEEE Transactions on Magnetics, 2004, 40, 2850-2852.	1.2	20
74	DC-induced generation of the reflected second harmonic in silicon. JETP Letters, 2009, 89, 58-62.	0.4	20
75	Multipolar Third-Harmonic Generation in Fishnet Metamaterials. ACS Photonics, 2016, 3, 1494-1499.	3.2	20
76	Permalloy-based magnetoplasmonic crystals for sensor applications. Journal of Magnetism and Magnetic Materials, 2019, 482, 292-295.	1.0	19
77	Ultrafast Magneto-Optics in Nickel Magnetoplasmonic Crystals. Nano Letters, 2020, 20, 8615-8619.	4.5	19
78	Mie-driven directional nanocoupler for Bloch surface wave photonic platform. Nanophotonics, 2021, 10, 2939-2947.	2.9	19
79	Enhanced second-harmonic generation in coupled microcavities based on all-silicon photonic crystals. Physical Review B, 2003, 68, .	1.1	18
80	Detection of plasmon-enhanced luminescence fields from an optically manipulated pair of partially metal covered dielectric spheres. Optics Letters, 2008, 33, 2749.	1.7	18
81	Measurements of the femtosecond relaxation dynamics of Tamm plasmon-polaritons. Applied Physics Letters, 2016, 109, .	1.5	18
82	Tailored Nonlinear Anisotropy in Mie-Resonant Dielectric Oligomers. Advanced Optical Materials, 2019, 7, 1900447.	3.6	18
83	Tunable multimodal magnetoplasmonic metasurfaces. Applied Physics Letters, 2019, 115, .	1.5	18
84	Optical second harmonic generation studies of thin ferroelectric ceramic films. Ferroelectrics, 1997, 190, 143-148.	0.3	17
85	Near-Field Mapping of Optical Fabry-Perot Modes in All-Dielectric Nanoantennas. Nano Letters, 2017, 17, 7629-7637.	4.5	17
86	Manipulating the light intensity by magnetophotonic metasurfaces. Journal of Magnetism and Magnetic Materials, 2018, 459, 165-170.	1.0	17
87	CaCO ₃ Nanoparticles Coated with Alternating Layers of Poly-L-Arginine Hydrochloride and Fe ₃ O ₄ Nanoparticles as Navigable Drug Carriers and Hyperthermia Agents. ACS Applied Nano Materials, 2022, 5, 2994-3006.	2.4	17
88	Macroscopic Size Effects in Second Harmonic Generation from Si(111) Coated by Thin Oxide Films: The Role of Optical Casimir Nonlocality. Physical Review Letters, 1997, 78, 46-49.	2.9	16
89	Ultrafast control of third-order optical nonlinearities in fishnet metamaterials. Scientific Reports, 2016, 6, 28440.	1.6	16
90	Dark mode enhancing magneto-optical Kerr effect in multilayer magnetoplasmonic crystals. Physical Review B, 2020, 101, .	1.1	16

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91	Third-harmonic light polarization control in magnetically resonant silicon metasurfaces. <i>Optics Express</i> , 2021, 29, 11605.	1.7	16
92	Optical second-harmonic generation studies of thin lead-zirconate-titanate ferroelectric films. <i>Ferroelectrics</i> , 1996, 186, 215-218.	0.3	15
93	Plasmonic enhancement of linear birefringence and linear dichroism in anisotropic optical metamaterials. <i>JETP Letters</i> , 2009, 90, 433-437.	0.4	15
94	Detection of Brownian Torque in a Magnetically-Driven Rotating Microsystem. <i>Scientific Reports</i> , 2016, 6, 21212.	1.6	15
95	Enhanced Second-Harmonic Generation with Structured Light in AlGaAs Nanoparticles Governed by Magnetic Response. <i>JETP Letters</i> , 2019, 109, 131-135.	0.4	15
96	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
97	Optical third-harmonic generation in one-dimensional photonic crystals and microcavities. <i>Journal of Experimental and Theoretical Physics</i> , 2004, 98, 463-477.	0.2	14
98	One-dimensional magnetophotonic crystals based on double-layer Bi-substituted iron garnet films. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 19-23.	0.5	14
99	Trap position control in the vicinity of reflecting surfaces in optical tweezers. <i>JETP Letters</i> , 2014, 98, 644-647.	0.4	14
100	Femtosecond intrapulse evolution of the magneto-optic Kerr effect in magnetoplasmonic crystals. <i>Physical Review B</i> , 2014, 90, .	1.1	14
101	Direct measurements of magnetic interaction-induced cross-correlations of two microparticles in Brownian motion. <i>Scientific Reports</i> , 2015, 5, 10491.	1.6	14
102	Optical properties of silicon nanocrystals covered by periodic array of gold nanowires. <i>Physical Review B</i> , 2016, 93, .	1.1	14
103	Midinfrared Surface Plasmons in Carbon Nanotube Plasmonic Metasurface. <i>Physical Review Applied</i> , 2018, 9, .	1.5	14
104	Bloch Surface Wave Photonic Device Fabricated by Femtosecond Laser Polymerisation Technique. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 63.	1.3	14
105	Role of optical interference effects in the enhancement of magnetization-induced second-harmonic generation. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 537-543.	1.1	13
106	Anisotropic Photonic Crystals and Microcavities Based on Mesoporous Silicon. <i>Physics of the Solid State</i> , 2005, 47, 156.	0.2	13
107	Magnetoplasmonic crystals based on commercial digital discs. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	13
108	Transverse magneto-optical Kerr effect in 2D gold-garnet nanogratings. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 383, 110-113.	1.0	13

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109	Optical second-harmonic interferometric spectroscopy of Si(111)/SiO ₂ interface in the vicinity of E ₂ critical points. <i>Physical Review B</i> , 2002, 66, .	1.1	12
110	dc-electric-field-induced second-harmonic interferometry of the Si(111)/SiO ₂ interface in Cr ²⁺ /SiO ₂ /SiMOS capacitor. <i>Physical Review B</i> , 2003, 68, .	1.1	12
111	High mobility thin film transistors with indium oxide/gallium oxide bi-layer structures. <i>Applied Physics Letters</i> , 2012, 100, 063506.	1.5	12
112	Near-field probing of Bloch surface waves in a dielectric multilayer using photonic force microscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 1120.	0.9	12
113	Optical performance and radiation stability of polymer X-ray refractive nano-lenses. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 714-719.	1.0	12
114	Frontiers in Magneto-optics of Magnetophotonic Crystals. <i>Journal of Magnetism</i> , 2006, 11, 195-207.	0.2	12
115	Miniature Otto Prism Coupler for Integrated Photonics. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	12
116	Interferometry of hyper-Rayleigh scattering by inhomogeneous thin films. <i>Optics Letters</i> , 1999, 24, 1260.	1.7	11
117	Nonlinear optical response from single spheres coated by a nonlinear monolayer. <i>Optics Letters</i> , 2008, 33, 699.	1.7	11
118	Resonant surface magnetoplasmons in two-dimensional magnetoplasmonic crystals excited in Faraday configuration. <i>Journal of Applied Physics</i> , 2012, 111, 07A946.	1.1	11
119	Transversal magneto-optical Kerr effect in two-dimensional nickel magnetoplasmonic crystals. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	11
120	Optical Effects Induced by Bloch Surface Waves in One-Dimensional Photonic Crystals. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 127.	1.3	11
121	Optical Coupling between Resonant Dielectric Nanoparticles and Dielectric Nanowires Probed by Third Harmonic Generation Microscopy. <i>ACS Photonics</i> , 2019, 6, 189-195.	3.2	11
122	Biological Collections: Chasing the Ideal. <i>Acta Naturae</i> , 2016, 8, 6-9.	1.7	11
123	Externally Driven Nonlinear Time-Variant Metasurfaces. <i>ACS Photonics</i> , 2022, 9, 493-502.	3.2	11
124	Broadband Optical Constants and Nonlinear Properties of SnS ₂ and SnSe ₂ . <i>Nanomaterials</i> , 2022, 12, 141.	1.9	11
125	Surface-enhanced second-harmonic generation in C ₆₀ -coated silver island films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 179, 149-153.	0.9	10
126	Second-harmonic generation spectroscopy and hyper-Rayleigh scattering in Langmuir-Blodgett films of fullerenes. <i>Surface Science</i> , 1997, 382, L696-L699.	0.8	10

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127	Femtosecond relaxation dynamics of surface plasmon-polaritons in the vicinity of fano-type resonance. JETP Letters, 2010, 92, 575-579.	0.4	10
128	Nonlinear response of Q-boosting metasurfaces beyond the time-bandwidth limit. Nanophotonics, 2022, 11, 4053-4061.	2.9	10
129	Electroinduced and photoinduced effects in optical second-harmonic generation and hyper-Rayleigh scattering from thin films of bacteriorhodopsin. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 771.	0.9	9
130	Handedness-sensitive emission of surface plasmon polaritons by elliptical nanohole ensembles. Optics Express, 2012, 20, 10538.	1.7	9
131	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
132	Magneto-optical switching of Bloch surface waves in magnetophotonic crystals. Journal of Magnetism and Magnetic Materials, 2016, 415, 82-86.	1.0	9
133	Spontaneous Light Emission Assisted by Mie Resonances in Diamond Nanoparticles. Nano Letters, 2021, 21, 10127-10132.	4.5	9
134	Bloch Surface Wave-Assisted Ultrafast All-Optical Switching in Graphene. Advanced Optical Materials, 2022, 10, .	3.6	9
135	Second Harmonic Generation as a Nondestructive Readout of Optical (Photo(electro)chromic and) Tj ETQq1 1 0.784314 rgBTg /Overlo	0.8	9
136	Second-harmonic interferometric spectroscopy of buried interfaces of column IV semiconductors. Applied Physics B: Lasers and Optics, 2002, 74, 653-659.	1.1	8
137	Near-field optical polarimetry of plasmonic nanowires. JETP Letters, 2011, 93, 720-724.	0.4	8
138	Probing of pair interaction of magnetic microparticles with optical tweezers. JETP Letters, 2012, 95, 560-564.	0.4	8
139	Magnetic field-controlled femtosecond pulse shaping by magnetoplasmonic crystals. Journal of Applied Physics, 2013, 113, 17A947.	1.1	8
140	Virtual Image within a Transparent Dielectric Sphere. JETP Letters, 2020, 112, 341-345.	0.4	8
141	Surface profile-tailored magneto-optics in magnetoplasmonic crystals. APL Photonics, 2022, 7, .	3.0	8
142	Oxide-thickness dependence of second harmonic generation from thick thermal oxides on Si(111). Surface Science, 1995, 331-333, 1367-1371.	0.8	7
143	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
144	Femtosecond pulse shaping with plasmonic crystals. JETP Letters, 2015, 101, 787-792.	0.4	7

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145	Magnetic properties of Gd-containing Langmuir-Blodgett films studied by magneto-induced optical second harmonic generation. <i>Materials Science and Engineering C</i> , 1999, 8-9, 411-415.	3.8	6
146	Optical second-harmonic phase spectroscopy of the Si(111)-SiO ₂ interface. <i>Thin Solid Films</i> , 2000, 364, 91-94.	0.8	6
147	Subnanometer-scale size effects in electronic spectra of Si-SiO ₂ multiple quantum wells: Interferometric second-harmonic generation spectroscopy. <i>Physical Review B</i> , 2006, 73, .	1.1	6
148	Femtosecond time-resolved Faraday rotation in thin magnetic films and magnetophotonic crystals. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	6
149	Plasmon ruler with gold nanorod dimers: utilizing the second-order resonance. <i>Optics Letters</i> , 2015, 40, 1571.	1.7	6
150	Efficient Integration of Single-Photon Emitters in Thin InSe Films into Resonance Silicon Waveguides. <i>JETP Letters</i> , 2020, 112, 693-698.	0.4	6
151	Magneto-Optical Effect of One-Dimensional Magnetophotonic Crystal Utilizing the Second Photonic Band Gap. <i>Journal of Magnetism</i> , 2006, 11, 139-142.	0.2	6
152	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
153	Colossal magnetic fields in high refractive index materials at microwave frequencies. <i>Scientific Reports</i> , 2021, 11, 23453.	1.6	6
154	Single-cell all-optical coherence elastography with optical tweezers. <i>Biomedical Optics Express</i> , 2022, 13, 14.	1.5	6
155	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
156	Second-harmonic spectroscopy of electronic structure of Si/SiO ₂ multiple quantum wells. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 671-675.	1.1	5
157	Optical third-harmonic generation in coupled microcavities based on porous silicon. <i>JETP Letters</i> , 2004, 80, 633-637.	0.4	5
158	Ultrafast all-optical switching in the presence of Bloch surface waves. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012134.	0.3	5
159	Engineering of optical, magneto-optical and magnetic properties of nickel-based one-dimensional magnetoplasmonic crystals. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SEEA08.	0.8	5
160	Wave theory of virtual image [Invited]. <i>Optical Materials Express</i> , 2021, 11, 3646.	1.6	5
161	Optimization of Multilayer Photonic Structures using Artificial Neural Networks to Obtain a Target Optical Response. <i>JETP Letters</i> , 2021, 114, 321-325.	0.4	5
162	Transverse Kerr effect in one-dimensional magnetophotonic crystals: Experiment and theory. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e257-e259.	1.0	4

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163	Wood's anomaly in two-dimensional plasmon-assisted magnetophotonic crystals. Proceedings of SPIE, 2007, , .	0.8	4
164	Experimental analysis of recoil effects induced by fluorescence photons. Physical Review E, 2009, 80, 046602.	0.8	4
165	Single-walled carbon nanotube membranes as non-reflective substrates for nanophotonic applications. Nanotechnology, 2021, 32, 095206.	1.3	4
166	Probing the silicon-silicon oxide interface of Si(111)-SiO ₂ -Cr MOS structures by DC-electric-field-induced second harmonic generation. Surface Science, 1996, 352-354, 1033-1037.	0.8	3
167	D.c. electric-field-induced second-harmonic generation in Si-SiO ₂ multiple quantum wells. Thin Solid Films, 1997, 294, 235-237.	0.8	3
168	Oscillatoric bias dependence of DC-electric field induced second harmonic generation from Si-SiO ₂ multiple quantum wells. Thin Solid Films, 1998, 336, 350-353.	0.8	3
169	Second harmonic generation interferometer for structural studies of thin ferroelectric ceramic films. Ferroelectrics, 1998, 218, 1-7.	0.3	3
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