

List of Publications by Citations

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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.

223 papers	7,704 citations	43 h-index	80 g-index
270 ext. papers	10,986 ext. citations	8.2 avg, IF	6.96 L-index

#	Paper	IF	Citations
223	Photonic spin Hall effect at metasurfaces. <i>Science</i> , 2013 , 339, 1405-7	33.3	799
222	Amino-acid- and peptide-directed synthesis of chiral plasmonic gold nanoparticles. <i>Nature</i> , 2018 , 556, 360-365	50.4	446
221	Photoinduced handedness switching in terahertz chiral metamolecules. <i>Nature Communications</i> , 2012 , 3, 942	17.4	333
220	Spherical hyperlens for two-dimensional sub-diffractive imaging at visible frequencies. <i>Nature Communications</i> , 2010 , 1, 143	17.4	300
219	Experimental realization of three-dimensional indefinite cavities at the nanoscale with anomalous scaling laws. <i>Nature Photonics</i> , 2012 , 6, 450-454	33.9	261
218	Complete amplitude and phase control of light using broadband holographic metasurfaces. <i>Nanoscale</i> , 2018 , 10, 4237-4245	7.7	193
217	Predicting nonlinear properties of metamaterials from the linear response. <i>Nature Materials</i> , 2015 , 14, 379-83	27	185
216	Complex-amplitude metasurface-based orbital angular momentum holography in momentum space. <i>Nature Nanotechnology</i> , 2020 , 15, 948-955	28.7	160
215	Deep learning enabled inverse design in nanophotonics. <i>Nanophotonics</i> , 2020 , 9, 1041-1057	6.3	130
214	Maskless plasmonic lithography at 22 nm resolution. <i>Scientific Reports</i> , 2011 , 1, 175	4.9	130
213	Dielectric Meta-Holograms Enabled with Dual Magnetic Resonances in Visible Light. <i>ACS Nano</i> , 2017 , 11, 9382-9389	16.7	122
212	Plasmonic- and dielectric-based structural coloring: from fundamentals to practical applications. <i>Nano Convergence</i> , 2018 , 5, 1	9.2	114
211	Simultaneous Inverse Design of Materials and Structures via Deep Learning: Demonstration of Dipole Resonance Engineering Using Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24264-24268	9.5	109
210	Designing nanophotonic structures using conditional deep convolutional generative adversarial networks. <i>Nanophotonics</i> , 2019 , 8, 1255-1261	6.3	102
209	"Crypto-Display" in Dual-Mode Metasurfaces by Simultaneous Control of Phase and Spectral Responses. <i>ACS Nano</i> , 2018 , 12, 6421-6428	16.7	94
208	Optical toroidal dipolar response by an asymmetric double-bar metamaterial. <i>Applied Physics Letters</i> , 2012 , 101, 144105	3.4	93
207	Electromagnetic chirality: from fundamentals to nontraditional chiroptical phenomena. <i>Light: Science and Applications</i> , 2020 , 9, 139	16.7	85

206	Outfitting Next Generation Displays with Optical Metasurfaces. <i>ACS Photonics</i> , 2018 , 5, 3876-3895	6.3	85
205	Metasurfaces Based on Phase-Change Material as a Reconfigurable Platform for Multifunctional Devices. <i>Materials</i> , 2017 , 10,	3.5	84
204	Recent advances in 2D, 3D and higher-order topological photonics. <i>Light: Science and Applications</i> , 2020 , 9, 130	16.7	82
203	Single-step manufacturing of hierarchical dielectric metalens in the visible. <i>Nature Communications</i> , 2020 , 11, 2268	17.4	76
202	Full-space Cloud of Random Points with a Scrambling Metasurface. <i>Light: Science and Applications</i> , 2018 , 7, 63	16.7	76
201	Smart SERS Hot Spots: Single Molecules Can Be Positioned in a Plasmonic Nanojunction Using Host-Guest Chemistry. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4705-4711	16.4	70
200	Optimisation of colour generation from dielectric nanostructures using reinforcement learning. <i>Optics Express</i> , 2019 , 27, 5874-5883	3.3	67
199	Pragmatic Metasurface Hologram at Visible Wavelength: The Balance between Diffraction Efficiency and Fabrication Compatibility. <i>ACS Photonics</i> , 2018 , 5, 1643-1647	6.3	66
198	Tungsten-based Ultrathin Absorber for Visible Regime. <i>Scientific Reports</i> , 2018 , 8, 2443	4.9	65
197	Optical and acoustic metamaterials: superlens, negative refractive index and invisibility cloak. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 084007	1.7	60
196	Finding the optical properties of plasmonic structures by image processing using a combination of convolutional neural networks and recurrent neural networks. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 27	7.7	59
195	Ultrafast acousto-plasmonic control and sensing in complex nanostructures. <i>Nature Communications</i> , 2014 , 5, 4042	17.4	59
194	Stimuli-Responsive Dynamic Metaholographic Displays with Designer Liquid Crystal Modulators. <i>Advanced Materials</i> , 2020 , 32, e2004664	24	58
193	Control of light absorbance using plasmonic grating based perfect absorber at visible and near-infrared wavelengths. <i>Scientific Reports</i> , 2017 , 7, 2611	4.9	58
192	Thermally robust ring-shaped chromium perfect absorber of visible light. <i>Nanophotonics</i> , 2018 , 7, 1827-1833	16.3	57
191	Polarisation insensitive multifunctional metasurfaces based on all-dielectric nanowaveguides. <i>Nanoscale</i> , 2018 , 10, 18323-18330	7.7	55
190	Observation of Enhanced Optical Spin Hall Effect in a Vertical Hyperbolic Metamaterial. <i>ACS Photonics</i> , 2019 , 6, 2530-2536	6.3	54
189	A Spin-Encoded All-Dielectric Metahologram for Visible Light. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900065	8.3	54

188	Cysteine-encoded chirality evolution in plasmonic rhombic dodecahedral gold nanoparticles. <i>Nature Communications</i> , 2020 , 11, 263	17.4	54
187	Holographic metasurface gas sensors for instantaneous visual alarms. <i>Science Advances</i> , 2021 , 7,	14.3	54
186	Self-Powered Humidity Sensor Using Chitosan-Based Plasmonic Metal@Hydrogel/Metal Filters. <i>Advanced Optical Materials</i> , 2020 , 8, 1901932	8.1	52
185	Nanophotonics for light detection and ranging technology. <i>Nature Nanotechnology</i> , 2021 , 16, 508-524	28.7	52
184	Pixelated bifunctional metasurface-driven dynamic vectorial holographic color prints for photonic security platform. <i>Nature Communications</i> , 2021 , 12, 3614	17.4	52
183	Metamaterial-Based Radiative Cooling: Towards Energy-Free All-Day Cooling. <i>Energies</i> , 2019 , 12, 89	3.1	49
182	Hyperbolic metamaterials: fusing artificial structures to natural 2D materials. <i>ELight</i> , 2022 , 2,		48
181	Spectral Modulation through the Hybridization of Mie-Scatterers and Quasi-Guided Mode Resonances: Realizing Full and Gradients of Structural Color. <i>ACS Nano</i> , 2020 , 14, 15317-15326	16.7	44
180	Tunable Metasurfaces: Kerker-Conditioned Dynamic Cryptographic Nanoprints (Advanced Optical Materials 4/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970016	8.1	42
179	Metasurfaces-Based Absorption and Reflection Control: Perfect Absorbers and Reflectors. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-18	3.2	42
178	Sub-ambient daytime radiative cooling by silica-coated porous anodic aluminum oxide. <i>Nano Energy</i> , 2021 , 79, 105426	17.1	41
177	Realization of Wafer-Scale Hyperlens Device for Sub-diffractive Biomolecular Imaging. <i>ACS Photonics</i> , 2018 , 5, 2549-2554	6.3	41
176	Geometric metasurface enabling polarization independent beam splitting. <i>Scientific Reports</i> , 2018 , 8, 9468	4.9	40
175	Facile Nanocasting of Dielectric Metasurfaces with Sub-100 nm Resolution. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26109-26115	9.5	40
174	Challenges in fabrication towards realization of practical metamaterials. <i>Microelectronic Engineering</i> , 2016 , 163, 7-20	2.5	40
173	Demonstration of nanoimprinted hyperlens array for high-throughput sub-diffraction imaging. <i>Scientific Reports</i> , 2017 , 7, 46314	4.9	38
172	A Broadband Optical Diode for Linearly Polarized Light Using Symmetry-Breaking Metamaterials. <i>Advanced Optical Materials</i> , 2017 , 5, 1700600	8.1	38
171	Engineering spin and antiferromagnetic resonances to realize an efficient direction-multiplexed visible meta-hologram. <i>Nanoscale Horizons</i> , 2020 , 5, 57-64	10.8	38

170	Fabrication of three-dimensional suspended, interlayered and hierarchical nanostructures by accuracy-improved electron beam lithography overlay. <i>Scientific Reports</i> , 2017 , 7, 6668	4.9	37
169	Biomimetic ultra-broadband perfect absorbers optimised with reinforcement learning. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 2337-2342	3.6	35
168	Kerker-Conditioned Dynamic Cryptographic Nanoprints. <i>Advanced Optical Materials</i> , 2018 , 7, 1801070	8.1	35
167	Double-deep Q-learning to increase the efficiency of metasurface holograms. <i>Scientific Reports</i> , 2019 , 9, 10899	4.9	34
166	Metamaterials and imaging. <i>Nano Convergence</i> , 2015 , 2, 22	9.2	34
165	Polarization-sensitive tunable absorber in visible and near-infrared regimes. <i>Scientific Reports</i> , 2018 , 8, 12393	4.9	33
164	Wavelength-decoupled geometric metasurfaces by arbitrary dispersion control. <i>Communications Physics</i> , 2019 , 2,	5.4	33
163	Recent Advances in Tunable and Reconfigurable Metamaterials. <i>Micromachines</i> , 2018 , 9,	3.3	33
162	Near-zero reflection of all-dielectric structural coloration enabling polarization-sensitive optical encryption with enhanced switchability. <i>Nanophotonics</i> , 2020 , 10, 919-926	6.3	32
161	Printable Nanocomposite Metalens for High-Contrast Near-Infrared Imaging. <i>ACS Nano</i> , 2021 , 15, 698-706	10.7	32
160	Metasurfaces-based imaging and applications: from miniaturized optical components to functional imaging platforms. <i>Nanoscale Advances</i> , 2020 , 2, 605-625	5.1	31
159	Effect of temperature on the oxidation of Cu nanowires and development of an easy to produce, oxidation-resistant transparent conducting electrode using a PEDOT:PSS coating. <i>Scientific Reports</i> , 2018 , 8, 10639	4.9	31
158	Revealing Structural Disorder in Hydrogenated Amorphous Silicon for a Low-Loss Photonic Platform at Visible Frequencies. <i>Advanced Materials</i> , 2021 , 33, e2005893	24	31
157	Electrically tunable metasurface perfect absorber for infrared frequencies. <i>Nano Convergence</i> , 2017 , 4, 36	9.2	30
156	Three-dimensional nanoprinting via charged aerosol jets. <i>Nature</i> , 2021 , 592, 54-59	50.4	30
155	Deep sub-wavelength nanofocusing of UV-visible light by hyperbolic metamaterials. <i>Scientific Reports</i> , 2016 , 6, 38645	4.9	29
154	Electrically Tunable Bifocal Metalens with Diffraction-Limited Focusing and Imaging at Visible Wavelengths. <i>Advanced Science</i> , 2021 , 8, e2102646	13.6	28
153	Active Color Control in a Metasurface by Polarization Rotation. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 982	2.6	27

152	Acoustic wave science realized by metamaterials. <i>Nano Convergence</i> , 2017 , 4, 3	9.2	26
151	Recent Progress on Ultrathin Metalenses for Flat Optics. <i>IScience</i> , 2020 , 23, 101877	6.1	26
150	Metasurface-Driven Optically Variable Devices. <i>Chemical Reviews</i> , 2021 , 121, 13013-13050	68.1	26
149	Topological edge and corner states in a two-dimensional photonic Su-Schrieffer-Heeger lattice. <i>Nanophotonics</i> , 2020 , 9, 3227-3234	6.3	25
148	Moth-eye shaped on-demand broadband and switchable perfect absorbers based on vanadium dioxide. <i>Scientific Reports</i> , 2020 , 10, 4522	4.9	24
147	Structural color switching with a doped indium-gallium-zinc-oxide semiconductor. <i>Photonics Research</i> , 2020 , 8, 1409	6	24
146	Optical spin-symmetry breaking for high-efficiency directional helicity-multiplexed metaholograms. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 5	7.7	24
145	Full and gradient structural colouration by lattice amplified gallium nitride Mie-resonators. <i>Nanoscale</i> , 2020 , 12, 21392-21400	7.7	23
144	Visibly Transparent Radiative Cooler under Direct Sunlight. <i>Advanced Optical Materials</i> , 2021 , 9, 2002226	8.1	23
143	Twisted non-diffracting beams through all dielectric meta-axicons. <i>Nanoscale</i> , 2019 , 11, 20571-20578	7.7	23
142	Realization of broadband negative refraction in visible range using vertically stacked hyperbolic metamaterials. <i>Scientific Reports</i> , 2019 , 9, 14093	4.9	22
141	Overcoming diffraction limit: From microscopy to nanoscopy. <i>Applied Spectroscopy Reviews</i> , 2018 , 53, 290-312	4.5	22
140	Describing Meta-Atoms Using the Exact Higher-Order Polarizability Tensors. <i>ACS Photonics</i> , 2020 , 7, 1153-1162	8.1	21
139	Metasurface zone plate for light manipulation in vectorial regime. <i>Communications Physics</i> , 2019 , 2,	5.4	21
138	Spin Hall Effect of Light with Near-Unity Efficiency in the Microwave. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000393	8.3	20
137	Geometric and physical configurations of meta-atoms for advanced metasurface holography. <i>Information Materials</i> , 2021 , 3, 739-754	23.1	19
136	Photonic Encryption Platform Dual-Band Vectorial Metaholograms in the Ultraviolet and Visible.. <i>ACS Nano</i> , 2022 ,	16.7	19
135	Photonic spin Hall effect by the spin-orbit interaction in a metasurface with elliptical nano-structures. <i>Applied Physics Letters</i> , 2017 , 110, 101908	3.4	18

134	Geometrically flat hyperlens designed by transformation optics. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 194003	3	18
133	Photodeposited metal-semiconductor nanocomposites and their applications. <i>Journal of Materiomics</i> , 2018 , 4, 83-94	6.7	18
132	Reliable Ge ₂ Sb ₂ Te ₅ -Integrated High-Density Nanoscale Conductive Bridge Random Access Memory using Facile Nitrogen-Doping Strategy. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800360	6.4	18
131	Cascade domino lithography for extreme photon squeezing. <i>Materials Today</i> , 2020 , 39, 89-97	21.8	18
130	Tunable metasurfaces towards versatile metalenses and metaholograms: a review. <i>Advanced Photonics</i> , 2022 , 4,	8.1	18
129	Topologically nontrivial photonic nodal surface in a photonic metamaterial. <i>Physical Review B</i> , 2019 , 99,	3.3	17
128	Importance of higher-order multipole transitions on chiral nearfield interactions. <i>Nanophotonics</i> , 2019 , 8, 941-948	6.3	17
127	Dual-Functional Nanoscale Devices Using Phase-Change Materials: A Reconfigurable Perfect Absorber with Nonvolatile Resistance-Change Memory Characteristics. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 564	2.6	17
126	Electrically focus-tuneable ultrathin lens for high-resolution square subpixels. <i>Light: Science and Applications</i> , 2020 , 9, 98	16.7	17
125	Visualization and Investigation of Charge Transport in Mixed-Halide Perovskite via Lateral-Structured Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2018 , 28, 1804067	15.6	17
124	Laser digital patterning of conductive electrodes using metal oxide nanomaterials. <i>Nano Convergence</i> , 2020 , 7, 23	9.2	17
123	Emerging advanced metasurfaces: Alternatives to conventional bulk optical devices. <i>Microelectronic Engineering</i> , 2020 , 220, 111146	2.5	17
122	Design of high transmission color filters for solar cells directed by deep Q-learning. <i>Solar Energy</i> , 2020 , 195, 670-676	6.8	17
121	Capillary-force-induced collapse lithography for controlled plasmonic nanogap structures. <i>Microsystems and Nanoengineering</i> , 2020 , 6, 65	7.7	17
120	Spectrally Selective Nanoparticle Mixture Coating for Passive Daytime Radiative Cooling. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 21119-21126	9.5	17
119	Reconfigurable all-dielectric Fano metasurfaces for strong full-space intensity modulation of visible light. <i>Nanoscale Horizons</i> , 2020 , 5, 1088-1095	10.8	16
118	Extremely Broadband Topological Surface States in a Photonic Topological Metamaterial. <i>Advanced Optical Materials</i> , 2019 , 7, 1900900	8.1	16
117	Planar Achiral Metasurfaces-Induced Anomalous Chiroptical Effect of Optical Spin Isolation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48899-48909	9.5	16

116	Nearly Perfect Transmissive Subtractive Coloration through the Spectral Amplification of Mie Scattering and Lattice Resonance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26299-26307	9.5	16
115	Tunable Metasurfaces: The Path to Fully Active Nanophotonics. <i>Advanced Photonics Research</i> , 2021 , 2, 2000205	1.9	16
114	Diffraction-induced enhancement of optical spin Hall effect in a dielectric grating. <i>APL Photonics</i> , 2020 , 5, 066106	5.2	15
113	Dual-Band Operating Metaholograms with Heterogeneous Meta-Atoms in the Visible and Near-Infrared. <i>Advanced Optical Materials</i> , 2021 , 9, 2100609	8.1	15
112	Manifesting Simultaneous Optical Spin Conservation and Spin Isolation in Diatomic Metasurfaces. <i>Advanced Optical Materials</i> , 2021 , 9, 2002002	8.1	15
111	Experimental verification of asymmetric transmission in continuous omega-shaped metamaterials.. <i>RSC Advances</i> , 2018 , 8, 38556-38561	3.7	15
110	Spin Hall Effect under Arbitrarily Polarized or Unpolarized Light. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100138	8.3	14
109	Sensitive method for measuring third order nonlinearities in compact dielectric and hybrid plasmonic waveguides. <i>Optics Express</i> , 2016 , 24, 545-54	3.3	14
108	Backward Phase-Matched Second-Harmonic Generation from Stacked Metasurfaces. <i>Physical Review Letters</i> , 2021 , 126, 033901	7.4	14
107	On-demand design of spectrally sensitive multiband absorbers using an artificial neural network. <i>Photonics Research</i> , 2021 , 9, B153	6	13
106	Chiroptical Metasurfaces: Principles, Classification, and Applications. <i>Sensors</i> , 2021 , 21,	3.8	13
105	Disordered-nanoparticle-based etalon for ultrafast humidity-responsive colorimetric sensors and anti-counterfeiting displays.. <i>Science Advances</i> , 2022 , 8, eabm8598	14.3	13
104	Metasurfaces: Subwavelength nanostructure arrays for ultrathin flat optics and photonics. <i>MRS Bulletin</i> , 2020 , 45, 180-187	3.2	12
103	Surface-enhanced spectroscopy: Toward practical analysis probe. <i>Applied Spectroscopy Reviews</i> , 2019 , 54, 142-175	4.5	12
102	Multiple-patterning colloidal lithography-implemented scalable manufacturing of heat-tolerant titanium nitride broadband absorbers in the visible to near-infrared. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 14	7.7	12
101	Solution-Processed Flexible Biomemristor Based on Gold-Decorated Chitosan. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5445-5450	9.5	12
100	Recent Advances in Non-Traditional Elastic Wave Manipulation by Macroscopic Artificial Structures. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 547	2.6	11
99	Polarization-controlled coherent phonon generation in acoustoplasmonic metasurfaces. <i>Physical Review B</i> , 2018 , 97,	3.3	11

98	Employing vanadium dioxide nanoparticles for flexible metasurfaces with switchable absorption properties at near-infrared frequencies. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 114002	1.7	11
97	Nanoimprint lithography for high-throughput fabrication of metasurfaces. <i>Frontiers of Optoelectronics</i> , 2021 , 14, 229-251	2.8	11
96	Vanadium Dioxide for Dynamically Tunable Photonics. <i>ChemNanoMat</i> , 2021 , 7, 713-727	3.5	11
95	Inducing and Probing Localized Excitons in Atomically Thin Semiconductors via Tip-Enhanced Cavity-Spectroscopy. <i>Advanced Functional Materials</i> , 2021 , 31, 2102893	15.6	11
94	Nanophotonic modal dichroism: mode-multiplexed modulators. <i>Optics Letters</i> , 2016 , 41, 4394-7	3	11
93	Novel Spin-Decoupling Strategy in Liquid Crystal-Integrated Metasurfaces for Interactive Metadisplays. <i>Advanced Optical Materials</i> , 2200196	8.1	11
92	Resolution enhancement of fluorescence microscopy using encoded patterns from all-dielectric metasurfaces. <i>Applied Physics Letters</i> , 2019 , 115, 101102	3.4	10
91	Fabrication and characterization of zeolitic imidazolate framework-embedded cellulose acetate membranes for osmotically driven membrane process. <i>Scientific Reports</i> , 2019 , 9, 5779	4.9	10
90	All-dielectric metasurface imaging platform applicable to laser scanning microscopy with enhanced axial resolution and wavelength selection. <i>Optical Materials Express</i> , 2019 , 9, 3248	2.6	10
89	Inverse design of ultra-narrowband selective thermal emitters designed by artificial neural networks. <i>Optical Materials Express</i> , 2021 , 11, 1863	2.6	10
88	Switchable diurnal radiative cooling by doped VO ₂ . <i>Opto-Electronic Advances</i> , 2021 , 4, 200006-200006	6.5	10
87	Experimental demonstration of broadband negative refraction at visible frequencies by critical layer thickness analysis in a vertical hyperbolic metamaterial. <i>Nanophotonics</i> , 2021 ,	6.3	10
86	Accurate and instant frequency estimation from noisy sinusoidal waves by deep learning. <i>Nano Convergence</i> , 2019 , 6, 27	9.2	9
85	Self-Powered Gas Sensor Based on a Photovoltaic Cell and a Colorimetric Film with Hierarchical Micro/Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39024-39032	9.5	9
84	Accordion-like plasmonic silver nanorod array exhibiting multiple electromagnetic responses. <i>NPG Asia Materials</i> , 2018 , 10, 190-196	10.3	9
83	Tuning the optical and electrical properties of MoS ₂ by selective Ag photo-reduction. <i>Applied Physics Letters</i> , 2018 , 113, 013105	3.4	9
82	Chemo-Mechanically Operating Palladium-Polymer Nanograting Film for a Self-Powered H Gas Sensor. <i>ACS Nano</i> , 2020 ,	16.7	9
81	Top-down nanofabrication approaches toward single-digit-nanometer scale structures. <i>Journal of Mechanical Science and Technology</i> , 2021 , 35, 837-859	1.6	9

80	Demonstration of steering acoustic waves by generalized Eaton lens. <i>Applied Physics Letters</i> , 2018 , 113, 161904	3.4	9
79	Total Reflection-Induced Efficiency Enhancement of the Spin Hall Effect of Light. <i>ACS Photonics</i> , 2021 , 8, 2705-2712	6.3	9
78	Reaching the highest efficiency of spin Hall effect of light in the near-infrared using all-dielectric metasurfaces.. <i>Nature Communications</i> , 2022 , 13, 2036	17.4	9
77	Liquid crystal-powered Mie resonators for electrically tunable photorealistic color gradients and dark blacks.. <i>Light: Science and Applications</i> , 2022 , 11, 118	16.7	9
76	Surface-enhanced circular dichroism by multipolar radiative coupling. <i>Optics Letters</i> , 2018 , 43, 2856-2859		8
75	Scalable and High-Throughput Top-Down Manufacturing of Optical Metasurfaces. <i>Sensors</i> , 2020 , 20,	3.8	8
74	Design of transmissive metasurface antenna using deep neural networks. <i>Optical Materials Express</i> ,	2.6	8
73	Recent progress on metasurfaces: applications and fabrication. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 383002	3	8
72	Giant chiro-optical responses in multipolar-resonances-based single-layer dielectric metasurfaces. <i>Photonics Research</i> , 2021 , 9, 1667	6	8
71	High Refractive Index Ti 3 O 5 Films for Dielectric Metasurfaces. <i>Chinese Physics Letters</i> , 2017 , 34, 088102	12.8	7
70	Singlet Exciton Delocalization in Gold Nanoparticle-Tethered Poly(3-hexylthiophene) Nanofibers with Enhanced Intrachain Ordering. <i>Macromolecules</i> , 2017 , 50, 8487-8496	5.5	7
69	Optical metasurfaces for generating and manipulating optical vortex beams. <i>Nanophotonics</i> , 2022 ,	6.3	7
68	Critical Layer Thickness Analysis of Vertically Stacked Hyperbolic Metamaterials for Effective Negative Refraction Generation. <i>Advanced Theory and Simulations</i> , 2020 , 3, 2000138	3.5	7
67	Development of Artificial Neural Network System to Recommend Process Conditions of Injection Molding for Various Geometries. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000037	6	7
66	MAXIM: Metasurfaces-oriented electromagnetic wave simulation software with intuitive graphical user interfaces. <i>Computer Physics Communications</i> , 2021 , 264, 107846	4.2	7
65	Ultra-Sharp Circular Dichroism Induced by Twisted Layered C4 Oligomers. <i>Advanced Theory and Simulations</i> , 2020 , 3, 1900229	3.5	7
64	Nanocatalosomes as Plasmonic Bilayer Shells with Interlayer Catalytic Nanospaces for Solar-Light-Induced Reactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9460-9469	16.4	6
63	A finite element method towards acoustic phononic crystals by weak formulation. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 375901	1.8	6

62	Demonstration of a Hyperlens-integrated Microscope and Super-resolution Imaging. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	6
61	Deep Q-network to produce polarization-independent perfect solar absorbers: a statistical report. <i>Nano Convergence</i> , 2020 , 7, 26	9.2	6
60	Multipole decomposition for interactions between structured optical fields and meta-atoms. <i>Optics Express</i> , 2020 , 28, 36756-36770	3.3	6
59	Spin-valley locked topological edge states in a staggered chiral photonic crystal. <i>New Journal of Physics</i> , 2020 , 22, 113022	2.9	6
58	Open-circuit voltage of organic solar cells: Effect of energetically and spatially nonuniform distribution of molecular energy levels in the photoactive layer. <i>Nano Energy</i> , 2020 , 78, 105336	17.1	6
57	High efficiency second and third harmonic generation from magnetic metamaterials by using a grating. <i>Optics Communications</i> , 2017 , 397, 17-21	2	5
56	Plasmonic-enhanced chirality examined by generalized wavenumber eigenvalue simulation. <i>Optics Express</i> , 2018 , 26, 14051-14057	3.3	5
55	Generalized analytic formula for spin Hall effect of light: shift enhancement and interface independence. <i>Nanophotonics</i> , 2022 ,	6.3	5
54	New trends in nanophotonics. <i>Nanophotonics</i> , 2020 , 9, 983-985	6.3	5
53	Flexible high-performance graphene hybrid photodetectors functionalized with gold nanostars and perovskites. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	5
52	Charge Recycling Mechanism Through a Triplet Charge-Transfer State in Ternary-Blend Organic Solar Cells Containing a Nonfullerene Acceptor. <i>ACS Energy Letters</i> , 2021 , 6, 2610-2618	20.1	5
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