

Mingbo Pu

List of Publications by Year in descending order

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214
papers

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citations

28274

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all docs

218
docs citations

218
times ranked

5058
citing authors

#	ARTICLE	IF	CITATIONS
1	Catenary optics for achromatic generation of perfect optical angular momentum. <i>Science Advances</i> , 2015, 1, e1500396.	10.3	539
2	Multicolor 3D meta-holography by broadband plasmonic modulation. <i>Science Advances</i> , 2016, 2, e1601102.	10.3	481
3	All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin-Orbit Interactions. <i>Advanced Functional Materials</i> , 2017, 27, 1704295.	14.9	273
4	Engineering the dispersion of metamaterial surface for broadband infrared absorption. <i>Optics Letters</i> , 2012, 37, 2133.	3.3	246
5	Design principles for infrared wide-angle perfect absorber based on plasmonic structure. <i>Optics Express</i> , 2011, 19, 17413.	3.4	216
6	Ultrathin broadband nearly perfect absorber with symmetrical coherent illumination. <i>Optics Express</i> , 2012, 20, 2246.	3.4	205
7	Ultrabroadband superoscillatory lens composed by plasmonic metasurfaces for subdiffraction light focusing. <i>Laser and Photonics Reviews</i> , 2015, 9, 713-719.	8.7	199
8	Spin-decoupled metasurface for simultaneous detection of spin and orbital angular momenta via momentum transformation. <i>Light: Science and Applications</i> , 2021, 10, 63.	16.6	196
9	Merging Geometric Phase and Plasmon Retardation Phase in Continuously Shaped Metasurfaces for Arbitrary Orbital Angular Momentum Generation. <i>ACS Photonics</i> , 2016, 3, 2022-2029.	6.6	189
10	A planar chiral meta-surface for optical vortex generation and focusing. <i>Scientific Reports</i> , 2015, 5, 10365.	3.3	164
11	Anisotropic meta-mirror for achromatic electromagnetic polarization manipulation. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	153
12	Multi-band circular polarizer using planar spiral metamaterial structure. <i>Optics Express</i> , 2012, 20, 16050.	3.4	151
13	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. <i>Advanced Functional Materials</i> , 2018, 28, 1706673.	14.9	151
14	Orbital Angular Momentum Multiplexing and Demultiplexing by a Single Metasurface. <i>Advanced Optical Materials</i> , 2017, 5, 1600502.	7.3	150
15	Dispersion management of anisotropic metamirror for super-octave bandwidth polarization conversion. <i>Scientific Reports</i> , 2015, 5, 8434.	3.3	147
16	A refractory metamaterial absorber for ultra-broadband, omnidirectional and polarization-independent absorption in the UV-NIR spectrum. <i>Nanoscale</i> , 2018, 10, 8298-8303.	5.6	137
17	A Beam Steering Horn Antenna Using Active Frequency Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 6218-6223.	5.1	132
18	High-Efficiency and Wide-Angle Beam Steering Based on Catenary Optical Fields in Ultrathin Metalens. <i>Advanced Optical Materials</i> , 2018, 6, 1800592.	7.3	131

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19	Spatially and spectrally engineered spin-orbit interaction for achromatic virtual shaping. Scientific Reports, 2015, 5, 9822.	3.3	130
20	Nanoapertures with ordered rotations: symmetry transformation and wide-angle flat lensing. Optics Express, 2017, 25, 31471.	3.4	114
21	Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas. Advanced Science, 2019, 6, 1801691.	11.2	114
22	Revisitation of Extraordinary Young's Interference: from Catenary Optical Fields to Spin-Orbit Interaction in Metasurfaces. ACS Photonics, 2018, 5, 3198-3204.	6.6	112
23	Reconfigurable Metasurface Cloak for Dynamical Electromagnetic Illusions. ACS Photonics, 2018, 5, 1718-1725.	6.6	110
24	Plasmonic Metasurfaces for Switchable Photonic Spin-Orbit Interactions Based on Phase Change Materials. Advanced Science, 2018, 5, 1800835.	11.2	109
25	An Active Metamaterial for Polarization Manipulating. Advanced Optical Materials, 2014, 2, 945-949.	7.3	101
26	Engineering heavily doped silicon for broadband absorber in the terahertz regime. Optics Express, 2012, 20, 25513.	3.4	100
27	Multispectral optical metasurfaces enabled by achromatic phase transition. Scientific Reports, 2015, 5, 15781.	3.3	100
28	Achromatic flat optical components via compensation between structure and material dispersions. Scientific Reports, 2016, 6, 19885.	3.3	96
29	Generalized Pancharatnam-Berry Phase in Rotationally Symmetric Meta-Atoms. Physical Review Letters, 2021, 126, 183902.	7.8	95
30	Broadband anomalous reflection based on gradient low-Q meta-surface. AIP Advances, 2013, 3, .	1.3	90
31	Actively Tunable Structural Color Rendering with Tensile Substrate. Advanced Optical Materials, 2017, 5, 1600829.	7.3	90
32	Multistate Switching of Photonic Angular Momentum Coupling in Phase-Change Metadevices. Advanced Materials, 2020, 32, e1908194.	21.0	88
33	Generation and detection of orbital angular momentum via metasurface. Scientific Reports, 2016, 6, 24286.	3.3	86
34	Multi-Channel Vortex Beam Generation by Simultaneous Amplitude and Phase Modulation with Two-Dimensional Metamaterial. Advanced Materials Technologies, 2017, 2, 1600201.	5.8	85
35	Off-axis multi-wavelength dispersion controlling metalens for multi-color imaging. Opto-Electronic Advances, 2020, 3, 19000501-19000507.	13.3	85
36	Extreme-Angle Silicon Infrared Optics Enabled by Streamlined Surfaces. Advanced Materials, 2021, 33, e2008157.	21.0	84

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37	Catenary nanostructures as compact Bessel beam generators. <i>Scientific Reports</i> , 2016, 6, 20524.	3.3	83
38	Dispersion controlling meta-lens at visible frequency. <i>Optics Express</i> , 2017, 25, 21419.	3.4	78
39	Merging plasmonics and metamaterials by two-dimensional subwavelength structures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4361-4378.	5.5	75
40	Fabrication of anisotropically arrayed nano-slots metasurfaces using reflective plasmonic lithography. <i>Nanoscale</i> , 2015, 7, 18805-18812.	5.6	74
41	Simultaneous Full-Color Printing and Holography Enabled by Centimeter-Scale Plasmonic Metasurfaces. <i>Advanced Science</i> , 2020, 7, 1903156.	11.2	74
42	Achromatic Broadband Super-Resolution Imaging by Super-Oscillatory Metasurface. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800064.	8.7	72
43	Directional coupler and nonlinear Mach-Zehnder interferometer based on metal-insulator-metal plasmonic waveguide. <i>Optics Express</i> , 2010, 18, 21030.	3.4	71
44	Colorful Metahologram with Independently Controlled Images in Transmission and Reflection Spaces. <i>Advanced Functional Materials</i> , 2019, 29, 1809145.	14.9	65
45	Color display and encryption with a plasmonic polarizing metamirror. <i>Nanophotonics</i> , 2018, 7, 323-331.	6.0	63
46	Dual-band 90° polarization rotator using twisted split ring resonators array. <i>Optics Communications</i> , 2013, 291, 345-348.	2.1	62
47	Broadband metamaterial as an "invisible" radiative cooling coat. <i>Optics Communications</i> , 2018, 407, 204-207.	2.1	61
48	Theory of microscopic meta-surface waves based on catenary optical fields and dispersion. <i>Optics Express</i> , 2018, 26, 19555.	3.4	61
49	Midinfrared real-time polarization imaging with all-dielectric metasurfaces. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	60
50	Hierarchical metamaterials for laser-infrared-microwave compatible camouflage. <i>Optics Express</i> , 2020, 28, 9445.	3.4	60
51	Dual-band asymmetry chiral metamaterial based on planar spiral structure. <i>Applied Physics Letters</i> , 2012, 101, 161901.	3.3	59
52	All-metallic wide-angle metasurfaces for multifunctional polarization manipulation. <i>Opto-Electronic Advances</i> , 2019, 2, 18002301-18002306.	13.3	59
53	Single-layer circular polarizer using metamaterial and its application in antenna. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 1770-1774.	1.4	58
54	Investigation of Fano resonance in planar metamaterial with perturbed periodicity. <i>Optics Express</i> , 2013, 21, 992.	3.4	56

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55	Super-resolution optical telescopes with local light diffraction shrinkage. <i>Scientific Reports</i> , 2015, 5, 18485.	3.3	56
56	Strong enhancement of light absorption and highly directive thermal emission in graphene. <i>Optics Express</i> , 2013, 21, 11618.	3.4	55
57	Quasi-Talbot effect of orbital angular momentum beams for generation of optical vortex arrays by multiplexing metasurface design. <i>Nanoscale</i> , 2018, 10, 666-671.	5.6	53
58	Perfect Absorption of Light by Coherently Induced Plasmon Hybridization in Ultrathin Metamaterial Film. <i>Plasmonics</i> , 2012, 7, 733-738.	3.4	51
59	Batch Fabrication of Metasurface Holograms Enabled by Plasmonic Cavity Lithography. <i>Advanced Optical Materials</i> , 2017, 5, 1700429.	7.3	50
60	Chip-Integrated Geometric Metasurface As a Novel Platform for Directional Coupling and Polarization Sorting by Spin-Orbit Interaction. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-7.	2.9	50
61	Nanofocusing beyond the near-field diffraction limit via plasmonic Fano resonance. <i>Nanoscale</i> , 2016, 8, 1635-1641.	5.6	49
62	Meta-Chirality: Fundamentals, Construction and Applications. <i>Nanomaterials</i> , 2017, 7, 116.	4.1	49
63	Conversion of broadband energy to narrowband emission through double-sided metamaterials. <i>Optics Express</i> , 2013, 21, 32207.	3.4	47
64	Tailoring active color rendering and multiband photodetection in a vanadium-dioxide-based metamaterial absorber. <i>Photonics Research</i> , 2018, 6, 492.	7.0	47
65	Asymmetric Transmission and Wavefront Manipulation toward Dual-Frequency Meta-Holograms. <i>ACS Photonics</i> , 2019, 6, 1541-1546.	6.6	47
66	Truncated spherical voids for nearly omnidirectional optical absorption. <i>Optics Express</i> , 2011, 19, 20642.	3.4	46
67	Combining the absorptive and radiative loss in metasurfaces for multi-spectral shaping of the electromagnetic scattering. <i>Scientific Reports</i> , 2016, 6, 21462.	3.3	46
68	Dual-band wide-angle metamaterial perfect absorber based on the combination of localized surface plasmon resonance and Helmholtz resonance. <i>Scientific Reports</i> , 2017, 7, 5652.	3.3	46
69	Quasi-continuous metasurface for ultra-broadband and polarization-controlled electromagnetic beam deflection. <i>Scientific Reports</i> , 2016, 5, 17733.	3.3	45
70	Metasurface-based broadband hologram with high tolerance to fabrication errors. <i>Scientific Reports</i> , 2016, 6, 19856.	3.3	44
71	Ultrahigh-capacity dynamic holographic displays via anisotropic nanoholes. <i>Nanoscale</i> , 2017, 9, 1409-1415.	5.6	44
72	Recent advances of wide-angle metalenses: principle, design, and applications. <i>Nanophotonics</i> , 2021, 11, 1-20.	6.0	44

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73	Sharp Fano resonance induced by a single layer of nanorods with perturbed periodicity. Optics Express, 2015, 23, 2895.	3.4	43
74	Polarization-controlled unidirectional excitation of surface plasmon polaritons utilizing catenary apertures. Nanoscale, 2019, 11, 3952-3957.	5.6	43
75	Broadband Functional Metasurfaces: Achieving Nonlinear Phase Generation toward Achromatic Surface Cloaking and Lensing. Advanced Optical Materials, 2019, 7, 1801480.	7.3	43
76	Polarization-controlled Broadband Accelerating Beams Generation by Single Catenary-shaped Metasurface. Advanced Optical Materials, 2019, 7, 1900503.	7.3	42
77	Catenary Functions Meet Electromagnetic Waves: Opportunities and Promises. Advanced Optical Materials, 2020, 8, 2001194.	7.3	42
78	Sensitive and reproducible surface-enhanced raman spectroscopy (SERS) with arrays of dimer-nanopillars. Sensors and Actuators B: Chemical, 2020, 322, 128563.	7.8	42
79	Spoof Plasmonic Metasurfaces with Catenary Dispersion for Two-Dimensional Wide-Angle Focusing and Imaging. IScience, 2019, 21, 145-156.	4.1	41
80	Inverse design of broadband metasurface absorber based on convolutional autoencoder network and inverse design network. Journal Physics D: Applied Physics, 2020, 53, 464002.	2.8	41
81	Large-area Low-cost Multiscale Hierarchical Metasurfaces for Multispectral Compatible Camouflage of Dual-band Lasers, Infrared and Microwave. Advanced Functional Materials, 2022, 32, .	14.9	41
82	Nanofocusing of circularly polarized Bessel-type plasmon polaritons with hyperbolic metamaterials. Materials Horizons, 2017, 4, 290-296.	12.2	40
83	Super-resolution imaging with a Bessel lens realized by a geometric metasurface. Optics Express, 2017, 25, 13933.	3.4	40
84	Active microwave absorber with the dual-ability of dividable modulation in absorbing intensity and frequency. AIP Advances, 2013, 3, .	1.3	39
85	Ultra-broadband large-scale infrared perfect absorber with optical transparency. Applied Physics Express, 2017, 10, 112601.	2.4	39
86	Dynamical manipulation of electromagnetic polarization using anisotropic meta-mirror. Scientific Reports, 2016, 6, 30771.	3.3	38
87	Efficient design of a dielectric metasurface with transfer learning and genetic algorithm. Optical Materials Express, 2021, 11, 1852.	3.0	38
88	Going far beyond the near-field diffraction limit via plasmonic cavity lens with high spatial frequency spectrum off-axis illumination. Scientific Reports, 2015, 5, 15320.	3.3	36
89	Staked Graphene for Tunable Terahertz Absorber with Customized Bandwidth. Plasmonics, 2016, 11, 1201-1206.	3.4	34
90	Monolithic metasurface spatial differentiator enabled by asymmetric photonic spin-orbit interactions. Nanophotonics, 2020, 10, 741-748.	6.0	34

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91	Circular Dichroism and Optical Rotation in Twisted Y-Shaped Chiral Metamaterial. Applied Physics Express, 2013, 6, 022001.	2.4	33
92	Large area deep subwavelength interference lithography with a 35 nm half-period based on bulk plasmon polaritons. Optical Materials Express, 2018, 8, 199.	3.0	33
93	Broadband achromatic metasurfaces for sub-diffraction focusing in the visible. Optics Express, 2021, 29, 5947.	3.4	33
94	Topology-optimized catenary-like metasurface for wide-angle and high-efficiency deflection: from a discrete to continuous geometric phase. Optics Express, 2021, 29, 10181.	3.4	33
95	Emerging Long-Range Order from a Freeform Disordered Metasurface. Advanced Materials, 2022, 34, e2108709.	21.0	33
96	[INVITED] Coherent perfect absorption of electromagnetic wave in subwavelength structures. Optics and Laser Technology, 2018, 101, 499-506.	4.6	32
97	Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field. Advanced Materials Technologies, 2019, 4, 1800612.	5.8	32
98	Plasmonic lithography for the fabrication of surface nanostructures with a feature size down to 9 nm. Nanoscale, 2020, 12, 2415-2421.	5.6	31
99	Polarization-independent broadband meta-holograms via polarization-dependent nanoholes. Nanoscale, 2018, 10, 9304-9310.	5.6	30
100	Taming the Electromagnetic Boundaries via Metasurfaces: From Theory and Fabrication to Functional Devices. International Journal of Antennas and Propagation, 2015, 2015, 1-80.	1.2	29
101	Experimental demonstration of a continuous varifocal metalens with large zoom range and high imaging resolution. Applied Physics Letters, 2019, 115, .	3.3	29
102	All-metallic geometric metasurfaces for broadband and high-efficiency wavefront manipulation. Nanophotonics, 2020, 9, 3209-3215.	6.0	28
103	Dynamic Control of the Extraordinary Optical Scattering in Semicontinuous 2D Metamaterials. Advanced Optical Materials, 2016, 4, 659-663.	7.3	27
104	Perfect electromagnetic and sound absorption via subwavelength holes array. Opto-Electronic Advances, 2018, 1, 18001301-18001306.	13.3	27
105	Synthetic vector optical fields with spatial and temporal tunability. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	25
106	Generation of Polarization-Sensitive Modulated Optical Vortices with All-Dielectric Metasurfaces. ACS Photonics, 2019, 6, 628-633.	6.6	24
107	Dual-Functional Metasurface toward Giant Linear and Circular Dichroism. Advanced Optical Materials, 2020, 8, 1902061.	7.3	24
108	Near-field collimation of light carrying orbital angular momentum with s-eye-assisted plasmonic coaxial waveguides. Scientific Reports, 2015, 5, 12108.	3.3	23

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109	Methodologies for On-Demand Dispersion Engineering of Waves in Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801376.	7.3	23
110	Angular-multiplexed multichannel optical vortex arrays generators based on geometric metasurface. <i>IScience</i> , 2021, 24, 102107.	4.1	23
111	Broadband and high-efficiency accelerating beam generation by dielectric catenary metasurfaces. <i>Nanophotonics</i> , 2020, 9, 2829-2837.	6.0	23
112	Dynamic manipulation of polarization states using anisotropic meta-surface. <i>Optics Communications</i> , 2014, 319, 14-16.	2.1	22
113	Plasmonic Interference Lithography for Low-Cost Fabrication of Dense Lines with Sub-50 nm Half-Pitch. <i>ACS Applied Nano Materials</i> , 2019, 2, 489-496.	5.0	22
114	Monolithic-Integrated Multiplexed Devices Based on Metasurface-Driven Guided Waves. <i>Advanced Theory and Simulations</i> , 2021, 4, 2000239.	2.8	22
115	Metallic nanomesh for high-performance transparent electromagnetic shielding. <i>Optical Materials Express</i> , 2020, 10, 796.	3.0	22
116	Tight focusing of radially and azimuthally polarized light with plasmonic metalens. <i>Optics Communications</i> , 2015, 356, 445-450.	2.1	21
117	Ultra-broadband spin-controlled directional router based on single optical catenary integrated on silicon waveguide. <i>Applied Physics Express</i> , 2018, 11, 092202.	2.4	21
118	Crosstalk reduction of integrated optical waveguides with nonuniform subwavelength silicon strips. <i>Scientific Reports</i> , 2020, 10, 4491.	3.3	21
119	High-Performance Multilayer Radiative Cooling Films Designed with Flexible Hybrid Optimization Strategy. <i>Materials</i> , 2020, 13, 2885.	2.9	21
120	Circular dichroism of graphene-based absorber in static magnetic field. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	20
121	Wavelength-selective orbital angular momentum generation based on a plasmonic metasurface. <i>Nanoscale</i> , 2016, 8, 12267-12271.	5.6	20
122	Dispersion engineering in metamaterials and metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 054002.	2.8	20
123	Switchable polarization-multiplexed super-oscillatory metasurfaces for achromatic sub-diffraction focusing. <i>Optics Express</i> , 2020, 28, 39024.	3.4	20
124	Transmission-Reflection-Integrated Quadratic Phase Metasurface for Multifunctional Electromagnetic Manipulation in Full Space. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	20
125	Far field observation and theoretical analyses of light directional imaging in metamaterial with stacked metal-dielectric films. <i>Applied Physics Letters</i> , 2013, 103, 031911.	3.3	19
126	Large-Area and Low-Cost Nanoslit-Based Flexible Metasurfaces for Multispectral Electromagnetic Wave Manipulation. <i>Advanced Optical Materials</i> , 2019, 7, 1900657.	7.3	19

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127	Designing high-efficiency extended depth-of-focus metalens via topology-shape optimization. <i>Nanophotonics</i> , 2022, 11, 2967-2975.	6.0	19
128	Design of a patch antenna with dual-band radar cross-section reduction. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 2516-2520.	1.4	18
129	Fano resonance induced by mode coupling in all-dielectric nanorod array. <i>Applied Physics Express</i> , 2014, 7, 032002.	2.4	18
130	Pushing the plasmonic imaging nanolithography to nano-manufacturing. <i>Optics Communications</i> , 2017, 404, 62-72.	2.1	17
131	Helicity Multiplexed Spin-Orbit Interaction in Metasurface for Colorized and Encrypted Holographic Display. <i>Annalen Der Physik</i> , 2017, 529, 1700248.	2.4	17
132	Electrical tunable L-band absorbing material for two polarisations. <i>Electronics Letters</i> , 2012, 48, 1002-1003.	1.0	16
133	Modeling and experimental study of plasmonic lens imaging with resolution enhanced methods. <i>Optics Express</i> , 2016, 24, 27115.	3.4	16
134	High-Efficiency and Tunable Circular Polarization Beam Splitting with a Liquid-Filled All-Metallic Catenary Meta-Mirror. <i>Advanced Materials Technologies</i> , 2019, 4, 1900334.	5.8	16
135	Hybrid octahedral Au nanocrystals and Ag nanohole arrays as substrates for highly sensitive and reproducible surface-enhanced Raman scattering. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1135-1142.	5.5	16
136	Symmetric and asymmetric photonic spin-orbit interaction in metasurfaces. <i>Progress in Quantum Electronics</i> , 2021, 79, 100344.	7.0	16
137	Optically transparent infrared selective emitter for visible-infrared compatible camouflage. <i>Optics Express</i> , 2022, 30, 17259.	3.4	16
138	Reducing side lobe level of antenna using frequency selective surface superstrate. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 1971-1975.	1.4	14
139	Full Stokes Polarimetry for Wide-Angle Incident Light. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000044.	2.4	14
140	Deep subwavelength interference lithography with tunable pattern period based on bulk plasmon polaritons. <i>Optics Express</i> , 2017, 25, 20511.	3.4	13
141	An Ultrabroadband THz Absorber Based on Structured Doped Silicon With Antireflection Techniques. <i>IEEE Photonics Journal</i> , 2018, 10, 1-10.	2.0	13
142	A Tunable Metasurface Deflector Based on MIM Waveguide Filled with Phase-Change Material. <i>Plasmonics</i> , 2019, 14, 1735-1741.	3.4	13
143	Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos. <i>Physical Review Research</i> , 2021, 3, .	3.6	13
144	Highly reproducible and stable surface-enhanced Raman scattering substrates of graphene-Ag nanohole arrays fabricated by sub-diffraction plasmonic lithography. <i>OSA Continuum</i> , 2019, 2, 582.	1.8	13

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145	Vector optical field manipulation via structural functional materials: Tutorial. Journal of Applied Physics, 2022, 131, .	2.5	13
146	Proximity correction and resolution enhancement of plasmonic lens lithography far beyond the near field diffraction limit. RSC Advances, 2017, 7, 12366-12373.	3.6	12
147	Dual-band and ultra-broadband photonic spin-orbit interaction for electromagnetic shaping based on single-layer silicon metasurfaces. Photonics Research, 2019, 7, 586.	7.0	12
148	Super-oscillatory metasurface doublet for sub-diffraction focusing with a large incident angle. Optics Express, 2021, 29, 9991.	3.4	12
149	Transfer of orbital angular momentum through sub-wavelength waveguides. Optics Express, 2015, 23, 2857.	3.4	11
150	Functional metasurfaces based on metallic and dielectric subwavelength slits and stripes array. Journal of Physics Condensed Matter, 2018, 30, 144003.	1.8	11
151	Switchable Quarter-Wave Plate and Half-Wave Plate Based on Phase-Change Metasurface. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	11
152	Realization of low-scattering metamaterial shell based on cylindrical wave expanding theory. Optics Express, 2015, 23, 10396.	3.4	10
153	Ultra-wideband manipulation of electromagnetic waves by bilayer scattering engineered gradient metasurface. RSC Advances, 2018, 8, 13061-13066.	3.6	10
154	Multiple-resonant pad-rod nanoantennas for surface-enhanced infrared absorption spectroscopy. Nanotechnology, 2019, 30, 465206.	2.6	10
155	Flexible and Tunable Dielectric Color Meta-hologram. Plasmonics, 2020, 15, 217-223.	3.4	10
156	Young's double-slit interference enabled by surface plasmon polaritons: a review. Journal Physics D: Applied Physics, 2020, 53, 053001.	2.8	10
157	Catenary-based phase change metasurfaces for mid-infrared switchable wavefront control. Optics Express, 2021, 29, 23006.	3.4	10
158	Broadband high-efficiency polymerized liquid crystal metasurfaces with spin-multiplexed functionalities in the visible. Photonics Research, 2022, 10, 1380.	7.0	10
159	Inversion Symmetry Breaking in Lithium Intercalated Graphitic Materials. ACS Applied Materials & Interfaces, 2020, 12, 28561-28567.	8.0	9
160	Electromagnetic Architectures: Structures, Properties, Functions and Their Intrinsic Relationships in Subwavelength Optics and Electromagnetics. Advanced Photonics Research, 2021, 2, 2100023.	3.6	9
161	Minimized two- and four-step varifocal lens based on silicon photonic integrated nanoapertures. Optics Express, 2020, 28, 7943.	3.4	9
162	All-metallic high-efficiency generalized Pancharatnam's Berry phase metasurface with chiral meta-atoms. Nanophotonics, 2022, 11, 1961-1968.	6.0	9

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163	Multispectral Scattering Imaging Based on Metasurface Diffuser and Deep Learning. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, .	2.4	8
164	Tunable Optical Hooks in the Visible Band Based on Ultra-Thin Metalenses. <i>Annalen Der Physik</i> , 2020, 532, 1900396.	2.4	7
165	Broadband Achromatic Transmission-Reflection-Integrated Metasurface Based on Frequency Multiplexing and Dispersion Engineering. <i>Advanced Optical Materials</i> , 2021, 9, 2001736.	7.3	7
166	Optical phased array radiating optical vortex with manipulated topological charges. <i>Optics Express</i> , 2015, 23, 4873.	3.4	6
167	Circular polarization sensitive absorbers based on graphene. <i>Scientific Reports</i> , 2016, 6, 23897.	3.3	6
168	Surface imaging microscopy with tunable penetration depth as short as 20 nm by employing hyperbolic metamaterials. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1797-1805.	5.5	6
169	Ultrathin Planar Microlens Arrays Based on Geometric Metasurface. <i>Annalen Der Physik</i> , 2018, 530, 1700326.	2.4	6
170	Tunable Absorbers Based on an Electrically Controlled Resistive Layer. <i>Plasmonics</i> , 2019, 14, 327-333.	3.4	6
171	Subdiffraction nanofocusing of circularly polarized light with a plasmonic cavity lens. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5615-5623.	5.5	6
172	Refined Model for Plasmon Ruler Based on Catenary-Shaped Optical Fields. <i>Plasmonics</i> , 2019, 14, 845-850.	3.4	6
173	Wide Field-of-view and Broadband Terahertz Beam Steering Based on Gap Plasmon Geodesic Antennas. <i>Scientific Reports</i> , 2017, 7, 41642.	3.3	5
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