

# Xiangang Luo

## List of Publications by Year in descending order

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372  
papers

17,886  
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9775

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379  
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379  
docs citations

379  
times ranked

9173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic nanoresonators for high-resolution colour filtering and spectral imaging. <i>Nature Communications</i> , 2010, 1, 59.	5.8	687
2	Catenary optics for achromatic generation of perfect optical angular momentum. <i>Science Advances</i> , 2015, 1, e1500396.	4.7	539
3	Surface plasmon resonant interference nanolithography technique. <i>Applied Physics Letters</i> , 2004, 84, 4780-4782.	1.5	508
4	Multicolor 3D meta-holography by broadband plasmonic modulation. <i>Science Advances</i> , 2016, 2, e1601102.	4.7	481
5	Principles of electromagnetic waves in metasurfaces. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1.	2.0	371
6	Beam manipulating by metallic nano-slits with variant widths. <i>Optics Express</i> , 2005, 13, 6815.	1.7	366
7	Efficiency Enhancement of Organic Solar Cells Using Transparent Plasmonic Ag Nanowire Electrodes. <i>Advanced Materials</i> , 2010, 22, 4378-4383.	11.1	343
8	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.	7.8	273
9	Design and fabrication of broadband ultralow reflectivity black Si surfaces by laser micro/nanoprocessing. <i>Light: Science and Applications</i> , 2014, 3, e185-e185.	7.7	257
10	Engineering the dispersion of metamaterial surface for broadband infrared absorption. <i>Optics Letters</i> , 2012, 37, 2133.	1.7	246
11	Design principles for infrared wide-angle perfect absorber based on plasmonic structure. <i>Optics Express</i> , 2011, 19, 17413.	1.7	216
12	Ultrathin broadband nearly perfect absorber with symmetrical coherent illumination. <i>Optics Express</i> , 2012, 20, 2246.	1.7	205
13	Ultrabroadband superoscillatory lens composed by plasmonic metasurfaces for subdiffraction light focusing. <i>Laser and Photonics Reviews</i> , 2015, 9, 713-719.	4.4	199
14	Spin-decoupled metasurface for simultaneous detection of spin and orbital angular momenta via momentum transformation. <i>Light: Science and Applications</i> , 2021, 10, 63.	7.7	196
15	Reconfigurable Metasurface for Multifunctional Control of Electromagnetic Waves. <i>Advanced Optical Materials</i> , 2017, 5, 1700485.	3.6	193
16	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.	3.2	189
17	Realizing near-perfect absorption at visible frequencies. <i>Optics Express</i> , 2009, 17, 11039.	1.7	183
18	A Low-RCS and High-Gain Partially Reflecting Surface Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2014, 62, 945-949.	3.1	171

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19	Subwavelength photolithography based on surface-plasmon polariton resonance. Optics Express, 2004, 12, 3055.	1.7	167
20	A planar chiral meta-surface for optical vortex generation and focusing. Scientific Reports, 2015, 5, 10365.	1.6	164
21	Subwavelength Artificial Structures: Opening a New Era for Engineering Optics. Advanced Materials, 2019, 31, e1804680.	11.1	156
22	Anisotropic meta-mirror for achromatic electromagnetic polarization manipulation. Applied Physics Letters, 2013, 102, .	1.5	153
23	Multi-band circular polarizer using planar spiral metamaterial structure. Optics Express, 2012, 20, 16050.	1.7	151
24	Shaping a Subwavelength Needle with Ultra-long Focal Length by Focusing Azimuthally Polarized Light. Scientific Reports, 2015, 5, 9977.	1.6	151
25	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. Advanced Functional Materials, 2018, 28, 1706673.	7.8	151
26	Orbital Angular Momentum Multiplexing and Demultiplexing by a Single Metasurface. Advanced Optical Materials, 2017, 5, 1600502.	3.6	150
27	Subwavelength Optical Engineering with Metasurface Waves. Advanced Optical Materials, 2018, 6, 1701201.	3.6	148
28	Surface plasmon polariton propagation and combination in Y-shaped metallic channels. Optics Express, 2005, 13, 10795.	1.7	147
29	Dispersion management of anisotropic metamirror for super-octave bandwidth polarization conversion. Scientific Reports, 2015, 5, 8434.	1.6	147
30	A refractory metamaterial absorber for ultra-broadband, omnidirectional and polarization-independent absorption in the UV-NIR spectrum. Nanoscale, 2018, 10, 8298-8303.	2.8	137
31	A Beam Steering Horn Antenna Using Active Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2013, 61, 6218-6223.	3.1	132
32	Enhancing aspect profile of half-pitch 32nm and 22nm lithography with plasmonic cavity lens. Applied Physics Letters, 2015, 106, .	1.5	132
33	Dynamical beam manipulation based on 2-bit digitally-controlled coding metasurface. Scientific Reports, 2017, 7, 42302.	1.6	131
34	High Efficiency and Wide Angle Beam Steering Based on Catenary Optical Fields in Ultrathin Metalens. Advanced Optical Materials, 2018, 6, 1800592.	3.6	131
35	Spatially and spectrally engineered spin-orbit interaction for achromatic virtual shaping. Scientific Reports, 2015, 5, 9822.	1.6	130
36	Using Reconfigurable Transmitarray to Achieve Beam-Steering and Polarization Manipulation Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 4801-4810.	3.1	124

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37	Directional excitation of surface plasmons with subwavelength slits. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	123
38	A plasmonic splitter based on slot cavity. <i>Optics Express</i> , 2011, 19, 13831.	1.7	117
39	Engineering the Phase Front of Light with Phase-Change Material Based Planar lenses. <i>Scientific Reports</i> , 2015, 5, 8660.	1.6	114
40	Nanoapertures with ordered rotations: symmetry transformation and wide-angle flat lensing. <i>Optics Express</i> , 2017, 25, 31471.	1.7	114
41	Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas. <i>Advanced Science</i> , 2019, 6, 1801691.	5.6	114
42	Revisitation of Extraordinary Young's Interference: from Catenary Optical Fields to Spin-Orbit Interaction in Metasurfaces. <i>ACS Photonics</i> , 2018, 5, 3198-3204.	3.2	112
43	Tunable near-infrared plasmonic perfect absorber based on phase-change materials. <i>Photonics Research</i> , 2015, 3, 54.	3.4	111
44	Roadmap on superoscillations. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 053002.	1.0	111
45	Reconfigurable Metasurface Cloak for Dynamical Electromagnetic Illusions. <i>ACS Photonics</i> , 2018, 5, 1718-1725.	3.2	110
46	Plasmonic Metasurfaces for Switchable Photonic Spin-Orbit Interactions Based on Phase Change Materials. <i>Advanced Science</i> , 2018, 5, 1800835.	5.6	109
47	Plasmonic beam deflector. <i>Optics Express</i> , 2008, 16, 4753.	1.7	105
48	Mixed plasmons coupling for expanding the bandwidth of near-perfect absorption at visible frequencies. <i>Optics Express</i> , 2009, 17, 16745.	1.7	101
49	An Active Metamaterial for Polarization Manipulating. <i>Advanced Optical Materials</i> , 2014, 2, 945-949.	3.6	101
50	Engineering heavily doped silicon for broadband absorber in the terahertz regime. <i>Optics Express</i> , 2012, 20, 25513.	1.7	100
51	Multispectral optical metasurfaces enabled by achromatic phase transition. <i>Scientific Reports</i> , 2015, 5, 15781.	1.6	100
52	Achromatic flat optical components via compensation between structure and material dispersions. <i>Scientific Reports</i> , 2016, 6, 19885.	1.6	96
53	Generalized Pancharatnam-Berry Phase in Rotationally Symmetric Meta-Atoms. <i>Physical Review Letters</i> , 2021, 126, 183902.	2.9	95
54	Broadband Generation of Photonic Spin-Controlled Arbitrary Accelerating Light Beams in the Visible. <i>Nano Letters</i> , 2019, 19, 1158-1165.	4.5	94

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55	Extraordinary optical fields in nanostructures: from sub-diffraction-limited optics to sensing and energy conversion. <i>Chemical Society Reviews</i> , 2019, 48, 2458-2494.	18.7	91
56	Broadband anomalous reflection based on gradient low-Q meta-surface. <i>AIP Advances</i> , 2013, 3, .	0.6	90
57	Actively Tunable Structural Color Rendering with Tensile Substrate. <i>Advanced Optical Materials</i> , 2017, 5, 1600829.	3.6	90
58	Subwavelength imaging by metallic slab lens with nanoslits. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	88
59	Multistate Switching of Photonic Angular Momentum Coupling in Phase-Change Metadevices. <i>Advanced Materials</i> , 2020, 32, e1908194.	11.1	88
60	Generation and detection of orbital angular momentum via metasurface. <i>Scientific Reports</i> , 2016, 6, 24286.	1.6	86
61	Multi-Channel Vortex Beam Generation by Simultaneous Amplitude and Phase Modulation with Two-Dimensional Metamaterial. <i>Advanced Materials Technologies</i> , 2017, 2, 1600201.	3.0	85
62	Off-axis multi-wavelength dispersion controlling metalens for multi-color imaging. <i>Opto-Electronic Advances</i> , 2020, 3, 19000501-19000507.	6.4	85
63	Flexible and Transparent Microwave-Infrared Bistable Structure. <i>Advanced Materials Technologies</i> , 2019, 4, 1900063.	3.0	84
64	Extreme-Angle Silicon Infrared Optics Enabled by Streamlined Surfaces. <i>Advanced Materials</i> , 2021, 33, e2008157.	11.1	84
65	Far-field imaging device: planar hyperlens with magnification using multi-layer metamaterial. <i>Optics Express</i> , 2008, 16, 21142.	1.7	83
66	Catenary nanostructures as compact Bessel beam generators. <i>Scientific Reports</i> , 2016, 6, 20524.	1.6	83
67	A Frequency Reconfigurable Directive Antenna With Wideband Low-RCS Property. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 1173-1178.	3.1	78
68	Dispersion controlling meta-lens at visible frequency. <i>Optics Express</i> , 2017, 25, 21419.	1.7	78
69	Engineering Optics 2.0: A Revolution in Optical Materials, Devices, and Systems. <i>ACS Photonics</i> , 2018, 5, 4724-4738.	3.2	77
70	Dual-band vortex beam generation with different OAM modes using single-layer metasurface. <i>Optics Express</i> , 2019, 27, 34.	1.7	77
71	A Dual Circularly Polarized Horn Antenna in Ku-Band Based on Chiral Metamaterial. <i>IEEE Transactions on Antennas and Propagation</i> , 2014, 62, 2307-2311.	3.1	76
72	Subwavelength interference of light on structured surfaces. <i>Advances in Optics and Photonics</i> , 2018, 10, 757.	12.1	76

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73	Electromagnetically Induced Transparency-Like Transmission in a Compact Side-Coupled T-Shaped Resonator. <i>Journal of Lightwave Technology</i> , 2014, 32, 1701-1707.	2.7	75
74	Merging plasmonics and metamaterials by two-dimensional subwavelength structures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4361-4378.	2.7	75
75	Combining FSS and EBG Surfaces for High-Efficiency Transmission and Low-Scattering Properties. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 1628-1632.	3.1	75
76	Fabrication of anisotropically arrayed nano-slots metasurfaces using reflective plasmonic lithography. <i>Nanoscale</i> , 2015, 7, 18805-18812.	2.8	74
77	Simultaneous Full-Color Printing and Holography Enabled by Centimeter-Scale Plasmonic Metasurfaces. <i>Advanced Science</i> , 2020, 7, 1903156.	5.6	74
78	Achromatic Broadband Super-Resolution Imaging by Super-Oscillatory Metasurface. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800064.	4.4	72
79	Directional coupler and nonlinear Mach-Zehnder interferometer based on metal-insulator-metal plasmonic waveguide. <i>Optics Express</i> , 2010, 18, 21030.	1.7	71
80	Electromagnetically induced transparency (EIT)-like transmission in side-coupled complementary split-ring resonators. <i>Optics Express</i> , 2012, 20, 24348.	1.7	70
81	Squeezing Bulk Plasmon Polaritons through Hyperbolic Metamaterials for Large Area Deep Subwavelength Interference Lithography. <i>Advanced Optical Materials</i> , 2015, 3, 1248-1256.	3.6	68
82	Deep sub-wavelength imaging lithography by a reflective plasmonic slab. <i>Optics Express</i> , 2013, 21, 20683.	1.7	67
83	Sub-diffraction-limited interference photolithography with metamaterials. <i>Optics Express</i> , 2008, 16, 13579.	1.7	65
84	Colorful Metahologram with Independently Controlled Images in Transmission and Reflection Spaces. <i>Advanced Functional Materials</i> , 2019, 29, 1809145.	7.8	65
85	Subwavelength imaging with anisotropic structure comprising alternately layered metal and dielectric films. <i>Optics Express</i> , 2008, 16, 4217.	1.7	63
86	Wideband Radar Cross-Section Reduction of a Stacked Patch Array Antenna Using Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 1369-1372.	2.4	63
87	Color display and encryption with a plasmonic polarizing metamirror. <i>Nanophotonics</i> , 2018, 7, 323-331.	2.9	63
88	Broadband metamaterial as an "invisible" radiative cooling coat. <i>Optics Communications</i> , 2018, 407, 204-207.	1.0	61
89	Theory of microscopic meta-surface waves based on catenary optical fields and dispersion. <i>Optics Express</i> , 2018, 26, 19555.	1.7	61
90	Midinfrared real-time polarization imaging with all-dielectric metasurfaces. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	60

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91	Hierarchical metamaterials for laser-infrared-microwave compatible camouflage. Optics Express, 2020, 28, 9445.	1.7	60
92	Dual-band asymmetry chiral metamaterial based on planar spiral structure. Applied Physics Letters, 2012, 101, 161901.	1.5	59
93	Low-Loss Circularly Polarized Transmitarray for Beam Steering Application. IEEE Transactions on Antennas and Propagation, 2016, 64, 4471-4476.	3.1	59
94	All-metallic wide-angle metasurfaces for multifunctional polarization manipulation. Opto-Electronic Advances, 2019, 2, 18002301-18002306.	6.4	59
95	Single-layer circular polarizer using metamaterial and its application in antenna. Microwave and Optical Technology Letters, 2012, 54, 1770-1774.	0.9	58
96	Investigation of Fano resonance in planar metamaterial with perturbed periodicity. Optics Express, 2013, 21, 992.	1.7	56
97	Super-resolution optical telescopes with local light diffraction shrinkage. Scientific Reports, 2015, 5, 18485.	1.6	56
98	Broadband and Tunable Radar Absorber Based on Graphene Capacitor Integrated With Resistive Frequency-Selective Surface. IEEE Transactions on Antennas and Propagation, 2020, 68, 2446-2450.	3.1	56
99	Strong enhancement of light absorption and highly directive thermal emission in graphene. Optics Express, 2013, 21, 11618.	1.7	55
100	1-Bit Reconfigurable Circularly Polarized Transmitarray in X-Band. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 448-451.	2.4	55
101	A Frequency and Pattern Reconfigurable Antenna Array Based on Liquid Crystal Technology. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	55
102	Dual-Wavelength Carpet Cloak Using Ultrathin Metasurface. Advanced Optical Materials, 2018, 6, 1800073.	3.6	55
103	Surface Plasmon Polaritons and Its Applications. IEEE Photonics Journal, 2012, 4, 590-595.	1.0	54
104	A Dual Linearly Polarized Transmitarray Element With 1-Bit Phase Resolution in X-Band. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 167-170.	2.4	54
105	Quasi-Talbot effect of orbital angular momentum beams for generation of optical vortex arrays by multiplexing metasurface design. Nanoscale, 2018, 10, 666-671.	2.8	53
106	Perfect Absorption of Light by Coherently Induced Plasmon Hybridization in Ultrathin Metamaterial Film. Plasmonics, 2012, 7, 733-738.	1.8	51
107	Multi-spectral Metasurface for Different Functional Control of Reflection Waves. Scientific Reports, 2016, 6, 23291.	1.6	51
108	Batch Fabrication of Metasurface Holograms Enabled by Plasmonic Cavity Lithography. Advanced Optical Materials, 2017, 5, 1700429.	3.6	50

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109	Chip-Integrated Geometric Metasurface As a Novel Platform for Directional Coupling and Polarization Sorting by Spin-Orbit Interaction. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-7.	1.9	50
110	Nanofocusing beyond the near-field diffraction limit via plasmonic Fano resonance. Nanoscale, 2016, 8, 1635-1641.	2.8	49
111	Meta-Chirality: Fundamentals, Construction and Applications. Nanomaterials, 2017, 7, 116.	1.9	49
112	Conversion of broadband energy to narrowband emission through double-sided metamaterials. Optics Express, 2013, 21, 32207.	1.7	47
113	Asymmetric Transmission and Wavefront Manipulation toward Dual-Frequency Meta-Holograms. ACS Photonics, 2019, 6, 1541-1546.	3.2	47
114	Truncated spherical voids for nearly omnidirectional optical absorption. Optics Express, 2011, 19, 20642.	1.7	46
115	Combining the absorptive and radiative loss in metasurfaces for multi-spectral shaping of the electromagnetic scattering. Scientific Reports, 2016, 6, 21462.	1.6	46
116	Dual-band wide-angle metamaterial perfect absorber based on the combination of localized surface plasmon resonance and Helmholtz resonance. Scientific Reports, 2017, 7, 5652.	1.6	46
117	Plasmonic Structures, Materials and Lenses for Optical Lithography beyond the Diffraction Limit: A Review. Micromachines, 2016, 7, 118.	1.4	45
118	Quasi-continuous metasurface for ultra-broadband and polarization-controlled electromagnetic beam deflection. Scientific Reports, 2016, 5, 17733.	1.6	45
119	Metasurface-based broadband hologram with high tolerance to fabrication errors. Scientific Reports, 2016, 6, 19856.	1.6	44
120	Ultrahigh-capacity dynamic holographic displays via anisotropic nanoholes. Nanoscale, 2017, 9, 1409-1415.	2.8	44
121	Recent advances of wide-angle metalenses: principle, design, and applications. Nanophotonics, 2021, 11, 1-20.	2.9	44
122	Ultra-Broadband Terahertz Absorbers Based on 4 Cascaded Metal-Dielectric Pairs. Plasmonics, 2014, 9, 951-957.	1.8	43
123	Polarization-controlled unidirectional excitation of surface plasmon polaritons utilizing catenary apertures. Nanoscale, 2019, 11, 3952-3957.	2.8	43
124	Broadband Functional Metasurfaces: Achieving Nonlinear Phase Generation toward Achromatic Surface Cloaking and Lensing. Advanced Optical Materials, 2019, 7, 1801480.	3.6	43
125	Polarization-Controlled Broadband Accelerating Beams Generation by Single Catenary-Shaped Metasurface. Advanced Optical Materials, 2019, 7, 1900503.	3.6	42
126	Catenary Functions Meet Electromagnetic Waves: Opportunities and Promises. Advanced Optical Materials, 2020, 8, 2001194.	3.6	42



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127	Broadband Polarization-Insensitive Tunable Absorber Using Active Frequency Selective Surface. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 982-986.	2.4	42
128	Broadband low-scattering metasurface using a combination of phase cancellation and absorption mechanisms. Optics Express, 2019, 27, 23368.	1.7	42
129	Sub-100-nm Photolithography Based on Plasmon Resonance. Japanese Journal of Applied Physics, 2004, 43, 4017-4021.	0.8	41
130	Spoof Plasmonic Metasurfaces with Catenary Dispersion for Two-Dimensional Wide-Angle Focusing and Imaging. IScience, 2019, 21, 145-156.	1.9	41
131	Inverse design of broadband metasurface absorber based on convolutional autoencoder network and inverse design network. Journal Physics D: Applied Physics, 2020, 53, 464002.	1.3	41
132	Large-Area Low-Cost Multiscale-Hierarchical Metasurfaces for Multispectral Compatible Camouflage of Dual-Band Lasers, Infrared and Microwave. Advanced Functional Materials, 2022, 32, .	7.8	41
133	Nanofocusing of circularly polarized Bessel-type plasmon polaritons with hyperbolic metamaterials. Materials Horizons, 2017, 4, 290-296.	6.4	40
134	Super-resolution imaging with a Bessel lens realized by a geometric metasurface. Optics Express, 2017, 25, 13933.	1.7	40
135	Active microwave absorber with the dual-ability of dividable modulation in absorbing intensity and frequency. AIP Advances, 2013, 3, .	0.6	39
136	Ultra-broadband large-scale infrared perfect absorber with optical transparency. Applied Physics Express, 2017, 10, 112601.	1.1	39
137	Dynamical manipulation of electromagnetic polarization using anisotropic meta-mirror. Scientific Reports, 2016, 6, 30771.	1.6	38
138	Efficient design of a dielectric metasurface with transfer learning and genetic algorithm. Optical Materials Express, 2021, 11, 1852.	1.6	38
139	Simultaneous Control of Absorbing Frequency and Amplitude Using Graphene Capacitor and Active Frequency-Selective Surface. IEEE Transactions on Antennas and Propagation, 2021, 69, 1793-1798.	3.1	37
140	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.	1.6	36
141	Independent Manipulation of Reflection Amplitude and Phase by a Single-Layer Reconfigurable Metasurface. Advanced Optical Materials, 2022, 10, .	3.6	35
142	Young's interference of double metallic nanoslit with different widths. Optics Express, 2007, 15, 11321.	1.7	34
143	Metamaterial Superstrate and Electromagnetic Band-Gap Substrate for High Directive Antenna. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 493-498.	0.6	34
144	Staked Graphene for Tunable Terahertz Absorber with Customized Bandwidth. Plasmonics, 2016, 11, 1201-1206.	1.8	34

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145	Monolithic metasurface spatial differentiator enabled by asymmetric photonic spin-orbit interactions. <i>Nanophotonics</i> , 2020, 10, 741-748.	2.9	34
146	Large area deep subwavelength interference lithography with a 35 nm half-period based on bulk plasmon polaritons. <i>Optical Materials Express</i> , 2018, 8, 199.	1.6	33
147	Catenary Optics. , 2019, , .		33
148	Broadband achromatic metasurfaces for sub-diffraction focusing in the visible. <i>Optics Express</i> , 2021, 29, 5947.	1.7	33
149	Topology-optimized catenary-like metasurface for wide-angle and high-efficiency deflection: from a discrete to continuous geometric phase. <i>Optics Express</i> , 2021, 29, 10181.	1.7	33
150	Emerging Long-Range Order from a Freeform Disordered Metasurface. <i>Advanced Materials</i> , 2022, 34, e2108709.	11.1	33
151	[INVITED] Coherent perfect absorption of electromagnetic wave in subwavelength structures. <i>Optics and Laser Technology</i> , 2018, 101, 499-506.	2.2	32
152	Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field. <i>Advanced Materials Technologies</i> , 2019, 4, 1800612.	3.0	32
153	Graphene-Integrated Reconfigurable Metasurface for Independent Manipulation of Reflection Magnitude and Phase. <i>Advanced Optical Materials</i> , 2021, 9, 2001950.	3.6	32
154	Sub-diffraction demagnification imaging lithography by hyperlens with plasmonic reflector layer. <i>RSC Advances</i> , 2016, 6, 95973-95978.	1.7	31
155	Plasmonic lithography for the fabrication of surface nanostructures with a feature size down to 9 nm. <i>Nanoscale</i> , 2020, 12, 2415-2421.	2.8	31
156	Polarization-independent broadband meta-holograms via polarization-dependent nanoholes. <i>Nanoscale</i> , 2018, 10, 9304-9310.	2.8	30
157	Metasurface-Based Lens for Antenna Gain Enhancement and Radar Cross Section Reduction. <i>IEEE Photonics Journal</i> , 2019, 11, 1-9.	1.0	30
158	Multifunctional and Tunable Radar Absorber Based on Graphene-Integrated Active Metasurface. <i>Advanced Materials Technologies</i> , 2021, 6, 2001050.	3.0	30
159	Cascaded metasurface for simultaneous control of transmission and reflection. <i>Optics Express</i> , 2019, 27, 9061.	1.7	30
160	Grooves-Assisted Surface Wave Modulation in Two-Slot Array for Mutual Coupling Reduction and Gain Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 912-915.	2.4	29
161	Taming the Electromagnetic Boundaries via Metasurfaces: From Theory and Fabrication to Functional Devices. <i>International Journal of Antennas and Propagation</i> , 2015, 2015, 1-80.	0.7	29
162	Experimental demonstration of a continuous varifocal metalens with large zoom range and high imaging resolution. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	29

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163	Structured lens formed by a 2D square hole array in a metallic film. <i>Optics Letters</i> , 2008, 33, 753.	1.7	28
164	Super-Resolution Long-Depth Focusing by Radially Polarized Light Irradiation Through Plasmonic Lens in Optical Meso-field. <i>Plasmonics</i> , 2014, 9, 55-60.	1.8	28
165	An Amplifying Tunable Transmitarray Element. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 702-705.	2.4	28
166	All-metallic geometric metasurfaces for broadband and high-efficiency wavefront manipulation. <i>Nanophotonics</i> , 2020, 9, 3209-3215.	2.9	28
167	A High-Gain Antenna Consisting of Two Slot Elements With a Space Larger Than a Wavelength. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010, 9, 159-162.	2.4	27
168	Dynamic Control of the Extraordinary Optical Scattering in Semicontinuous 2D Metamaterials. <i>Advanced Optical Materials</i> , 2016, 4, 659-663.	3.6	27
169	Plasmonic metalens for nanofabrication. <i>National Science Review</i> , 2018, 5, 137-138.	4.6	27
170	Characteristics of Plasmonic Filters with a Notch Located Along Rectangular Resonators. <i>Plasmonics</i> , 2013, 8, 167-171.	1.8	26
171	Controlling Beamwidth of Antenna Using Frequency Selective Surface Superstrate. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 213-216.	2.4	26
172	Synthetic vector optical fields with spatial and temporal tunability. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	2.0	25
173	Generation of Polarization-Sensitive Modulated Optical Vortices with All-Dielectric Metasurfaces. <i>ACS Photonics</i> , 2019, 6, 628-633.	3.2	24
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