Mingbo Pu

List of Publications by Year in Descending Order

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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.

199 papers	7,077 citations	47 h-index	77 g-index
218 ext. papers	8,547 ext. citations	5.3 avg, IF	6.21 L-index

#	Paper	IF	Citations
199	Emerging Long-Range Order from Freeform Disordered Metasurface.. *Advanced Materials*, **2022**, e2108709	27	5
198	Planar Hyperspectral Imager With Small Smile and Keystone Based on Two Metasurfaces. *IEEE Photonics Journal*, **2022**, 14, 1-8	1.8	
197	All-metallic high-efficiency generalized PancharatnamBerry phase metasurface with chiral meta-atoms. *Nanophotonics*, **2022**,	6.3	2
196	Single-layer metalens for achromatic focusing with wide field of view in the visible range. *Journal Physics D: Applied Physics*, **2022**, 55, 235106	3	
195	Synthetic vector optical fields with spatial and temporal tunability. *Science China: Physics, Mechanics and Astronomy*, **2022**, 65, 1	3.6	6
194	Broadband and high-efficiency photonic spin-Hall effect with all-metallic metasurfaces.. *Optics Express*, **2022**, 30, 14938-14947	3.3	0
193	Vector optical field manipulation via structural functional materials: Tutorial. *Journal of Applied Physics*, **2022**, 131, 181101	2.5	2
192	Optically transparent infrared selective emitter for visible-infrared compatible camouflage. *Optics Express*, **2022**, 30, 17259	3.3	0
191	Numerical and experimental analysis of patterning multi-period and multi-radius metasurfaces. *Materials Today Advances*, **2022**, 14, 100247	7.4	
190	Recent advances of wide-angle metalenses: principle, design, and applications. *Nanophotonics*, **2021**,	6.3	3
189	Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos. *Physical Review Research*, **2021**, 3,	3.9	8
188	Spin-decoupled metasurface for simultaneous detection of spin and orbital angular momenta via momentum transformation. *Light: Science and Applications*, **2021**, 10, 63	16.7	61
187	Waveguide evanescent waves based structured illumination microscopy with compact structure and flexible design. *Journal Physics D: Applied Physics*, **2021**, 54, 215101	3	0
186	Topology-optimized catenary-like metasurface for wide-angle and high-efficiency deflection: from a discrete to continuous geometric phase. *Optics Express*, **2021**, 29, 10181-10191	3.3	8
185	Super-oscillatory metasurface doublet for sub-diffraction focusing with a large incident angle. *Optics Express*, **2021**, 29, 9991-9999	3.3	3
184	Bulk plasmon polariton based structured illumination microscopy by utilizing hyperbolic metamaterials. *Journal Physics D: Applied Physics*, **2021**, 54, 285103	3	0
183	Generalized Pancharatnam-Berry Phase in Rotationally Symmetric Meta-Atoms. *Physical Review Letters*, **2021**, 126, 183902	7.4	29

182	Polarization-dependent spatial channel multiplexing dynamic hologram in the visible band. *Optics Express*, **2021**, 29, 18351-18361	3.3	1
181	Efficient design of a dielectric metasurface with transfer learning and genetic algorithm. *Optical Materials Express*, **2021**, 11, 1852	2.6	9
180	Catenary-based phase change metasurfaces for mid-infrared switchable wavefront control. *Optics Express*, **2021**, 29, 23006-23018	3.3	3
179	Monolithic-Integrated Multiplexed Devices Based on Metasurface-Driven Guided Waves. *Advanced Theory and Simulations*, **2021**, 4, 2000239	3.5	7
178	Broadband Achromatic TransmissionReflection-Integrated Metasurface Based on Frequency Multiplexing and Dispersion Engineering. *Advanced Optical Materials*, **2021**, 9, 2001736	8.1	0
177	Quasi-Continuous Metasurface Beam Splitters Enabled by Vector Iterative Fourier Transform Algorithm. *Materials*, **2021**, 14,	3.5	1
176	Angular-multiplexed multichannel optical vortex arrays generators based on geometric metasurface. *IScience*, **2021**, 24, 102107	6.1	9
175	Dual-wavelength multilevel diffractive lenses for near-infrared imaging. *Journal Physics D: Applied Physics*, **2021**, 54, 175109	3	0
174	Broadband achromatic metasurfaces for sub-diffraction focusing in the visible. *Optics Express*, **2021**, 29, 5947-5958	3.3	10
173	Bloch Surface Wave Assisted Structured Illumination Microscopy for Sub-100 nm Resolution. *IEEE Photonics Journal*, **2021**, 13, 1-9	1.8	0
172	Extreme-Angle Silicon Infrared Optics Enabled by Streamlined Surfaces. *Advanced Materials*, **2021**, 33, e2008157	24	30
171	Electromagnetic Architectures: Structures, Properties, Functions and Their Intrinsic Relationships in Subwavelength Optics and Electromagnetics. *Advanced Photonics Research*, **2021**, 2, 2100023	1.9	6
170	Symmetric and asymmetric photonic spin-orbit interaction in metasurfaces. *Progress in Quantum Electronics*, **2021**, 79, 100344	9.1	5
169	Breaking the Cut-Off Wavelength Limit of GaTe through Self-Driven Oxygen Intercalation in Air.. *Advanced Science*, **2021**, e2103429	13.6	2
168	Inversion Symmetry Breaking in Lithium Intercalated Graphitic Materials. *ACS Applied Materials & Interfaces*, **2020**, 12, 28561-28567	9.5	6
167	Simultaneous Full-Color Printing and Holography Enabled by Centimeter-Scale Plasmonic Metasurfaces. *Advanced Science*, **2020**, 7, 1903156	13.6	46
166	Dual-Functional Metasurface toward Giant Linear and Circular Dichroism. *Advanced Optical Materials*, **2020**, 8, 1902061	8.1	11
165	Crosstalk reduction of integrated optical waveguides with nonuniform subwavelength silicon strips. *Scientific Reports*, **2020**, 10, 4491	4.9	10

164	Full Stokes Polarimetry for Wide-Angle Incident Light. *Physica Status Solidi - Rapid Research Letters*, **2020**, 14, 2000044	2.5	5
163	High-Performance Multilayer Radiative Cooling Films Designed with Flexible Hybrid Optimization Strategy. *Materials*, **2020**, 13,	3.5	7
162	Switchable Quarter-Wave Plate and Half-Wave Plate Based on Phase-Change Metasurface. *IEEE Photonics Journal*, **2020**, 12, 1-10	1.8	4
161	Minimized two- and four-step varifocal lens based on silicon photonic integrated nanoapertures. *Optics Express*, **2020**, 28, 7943-7952	3.3	8
160	Hierarchical metamaterials for laser-infrared-microwave compatible camouflage. *Optics Express*, **2020**, 28, 9445-9453	3.3	32
159	Integrated multispectral real-time imaging system based on metasurfaces. *Optics Express*, **2020**, 28, 36445-36454	3.3	34
158	Switchable polarization-multiplexed super-oscillatory metasurfaces for achromatic sub-diffraction focusing. *Optics Express*, **2020**, 28, 39024-39037	3.3	6
157	Metallic nanomesh for high-performance transparent electromagnetic shielding. *Optical Materials Express*, **2020**, 10, 796	2.6	7
156	Broadband and high-efficiency accelerating beam generation by dielectric catenary metasurfaces. *Nanophotonics*, **2020**, 9, 2829-2837	6.3	15
155	Monolithic metasurface spatial differentiator enabled by asymmetric photonic spin-orbit interactions. *Nanophotonics*, **2020**, 10, 741-748	6.3	14
154	Off-axis multi-wavelength dispersion controlling metalens for multi-color imaging. *Opto-Electronic Advances*, **2020**, 3, 19000501-19000507	6.5	44
153	Young□ double-slit interference enabled by surface plasmon polaritons: a review. *Journal Physics D: Applied Physics*, **2020**, 53, 053001	3	5
152	Plasmonic lithography for the fabrication of surface nanostructures with a feature size down to 9 nm. *Nanoscale*, **2020**, 12, 2415-2421	7.7	21
151	Hybrid octahedral Au nanocrystals and Ag nanohole arrays as substrates for highly sensitive and reproducible surface-enhanced Raman scattering. *Journal of Materials Chemistry C*, **2020**, 8, 1135-1142	7.1	7
150	Tunable Optical Hooks in the Visible Band Based on Ultra-Thin Metalenses. *Annalen Der Physik*, **2020**, 532, 1900396	2.6	5
149	All-metallic geometric metasurfaces for broadband and high-efficiency wavefront manipulation. *Nanophotonics*, **2020**, 9, 3209-3215	6.3	12
148	Catenary Functions Meet Electromagnetic Waves: Opportunities and Promises. *Advanced Optical Materials*, **2020**, 8, 2001194	8.1	23
147	Inverse design of broadband metasurface absorber based on convolutional autoencoder network and inverse design network. *Journal Physics D: Applied Physics*, **2020**, 53, 464002	3	16

146	Sensitive and reproducible surface-enhanced raman spectroscopy (SERS) with arrays of dimer-nanopillars. *Sensors and Actuators B: Chemical*, **2020**, 322, 128563	8.5	16
145	Multistate Switching of Photonic Angular Momentum Coupling in Phase-Change Metadevices. *Advanced Materials*, **2020**, 32, e1908194	24	51
144	Flexible and Tunable Dielectric Color Meta-hologram. *Plasmonics*, **2020**, 15, 217-223	2.4	5
143	Polarization-controlled unidirectional excitation of surface plasmon polaritons utilizing catenary apertures. *Nanoscale*, **2019**, 11, 3952-3957	7.7	29
142	Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas. *Advanced Science*, **2019**, 6, 1801691	13.6	82
141	Asymmetric Transmission and Wavefront Manipulation toward Dual-Frequency Meta-Holograms. *ACS Photonics*, **2019**, 6, 1541-1546	6.3	27
140	Polarization-Controlled Broadband Accelerating Beams Generation by Single Catenary-Shaped Metasurface. *Advanced Optical Materials*, **2019**, 7, 1900503	8.1	27
139	A Tunable Metasurface Deflector Based on MIM Waveguide Filled with Phase-Change Material. *Plasmonics*, **2019**, 14, 1735-1741	2.4	7
138	High-Efficiency and Tunable Circular-Polarization Beam Splitting with a Liquid-Filled All-Metallic Catenary Meta-Mirror. *Advanced Materials Technologies*, **2019**, 4, 1900334	6.8	11
137	Midinfrared real-time polarization imaging with all-dielectric metasurfaces. *Applied Physics Letters*, **2019**, 114, 161904	3.4	24
136	Methodologies for On-Demand Dispersion Engineering of Waves in Metasurfaces. *Advanced Optical Materials*, **2019**, 7, 1801376	8.1	19
135	Catenary Optics: Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field (Adv. Mater. Technol. 2/2019). *Advanced Materials Technologies*, **2019**, 4, 1970012	6.8	
134	Subdiffraction nanofocusing of circularly polarized light with a plasmonic cavity lens. *Journal of Materials Chemistry C*, **2019**, 7, 5615-5623	7.1	4
133	Colorful Metahologram with Independently Controlled Images in Transmission and Reflection Spaces. *Advanced Functional Materials*, **2019**, 29, 1809145	15.6	47
132	Catenary Optics: Catenary Electromagnetics for Ultra-Broadband Lightweight Absorbers and Large-Scale Flat Antennas (Adv. Sci. 7/2019). *Advanced Science*, **2019**, 6, 1970038	13.6	1
131	Tunable Absorbers Based on an Electrically Controlled Resistive Layer. *Plasmonics*, **2019**, 14, 327-333	2.4	5
130	Multiple-resonant pad-rod nanoantennas for surface-enhanced infrared absorption spectroscopy. *Nanotechnology*, **2019**, 30, 465206	3.4	4
129	Large-Area and Low-Cost Nanoslit-Based Flexible Metasurfaces for Multispectral Electromagnetic Wave Manipulation. *Advanced Optical Materials*, **2019**, 7, 1900657	8.1	7

128	Experimental demonstration of a continuous varifocal metalens with large zoom range and high imaging resolution. *Applied Physics Letters*, **2019**, 115, 163103	3.4	19
127	Spoof Plasmonic Metasurfaces with Catenary Dispersion for Two-Dimensional Wide-Angle Focusing and Imaging. *IScience*, **2019**, 21, 145-156	6.1	29
126	Dual-band and ultra-broadband photonic spin-orbit interaction for electromagnetic shaping based on single-layer silicon metasurfaces. *Photonics Research*, **2019**, 7, 586	6	7
125	Polarization-insensitive meta-lens doublet with large view field in the ultraviolet region **2019**,		2
124	Highly reproducible and stable surface-enhanced Raman scattering substrates of graphene-Ag nanohole arrays fabricated by sub-diffraction plasmonic lithography. *OSA Continuum*, **2019**, 2, 582	1.4	7
123	All-metallic wide-angle metasurfaces for multifunctional polarization manipulation. *Opto-Electronic Advances*, **2019**, 2, 18002301-18002306	6.5	45
122	Application of vector diffraction theory in geometric phase based metasurfaces. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, E42	1.7	1
121	Tunable beam manipulation based on phase-change metasurfaces. *Applied Optics*, **2019**, 58, 7996-8001	1.7	1
120	Heat Resisting Metallic Meta-Skin for Simultaneous Microwave Broadband Scattering and Infrared Invisibility Based on Catenary Optical Field. *Advanced Materials Technologies*, **2019**, 4, 1800612	6.8	24
119	Directional Coupling and Spin Routing in Catenary-Shaped SOI Waveguide. *IEEE Photonics Technology Letters*, **2019**, 31, 415-418	2.2	3
118	Plasmonic Interference Lithography for Low-Cost Fabrication of Dense Lines with Sub-50 nm Half-Pitch. *ACS Applied Nano Materials*, **2019**, 2, 489-496	5.6	11
117	Generation of Polarization-Sensitive Modulated Optical Vortices with All-Dielectric Metasurfaces. *ACS Photonics*, **2019**, 6, 628-633	6.3	17
116	Broadband Functional Metasurfaces: Achieving Nonlinear Phase Generation toward Achromatic Surface Cloaking and Lensing. *Advanced Optical Materials*, **2019**, 7, 1801480	8.1	31
115	Refined Model for Plasmon Ruler Based on Catenary-Shaped Optical Fields. *Plasmonics*, **2019**, 14, 845-850	2.4	4
114	Polarization-independent broadband meta-holograms via polarization-dependent nanoholes. *Nanoscale*, **2018**, 10, 9304-9310	7.7	19
113	Ultra-wideband manipulation of electromagnetic waves by bilayer scattering engineered gradient metasurface.. *RSC Advances*, **2018**, 8, 13061-13066	3.7	8
112	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. *Advanced Functional Materials*, **2018**, 28, 1706673	15.6	101
111	Surface imaging microscopy with tunable penetration depth as short as 20 nm by employing hyperbolic metamaterials. *Journal of Materials Chemistry C*, **2018**, 6, 1797-1805	7.1	6

110	Functional metasurfaces based on metallic and dielectric subwavelength slits and stripes array. *Journal of Physics Condensed Matter*, **2018**, 30, 144003	1.8	8
109	[INVITED] Coherent perfect absorption of electromagnetic wave in subwavelength structures. *Optics and Laser Technology*, **2018**, 101, 499-506	4.2	23
108	Dispersion engineering in metamaterials and metasurfaces. *Journal Physics D: Applied Physics*, **2018**, 51, 054002	3	13
107	A refractory metamaterial absorber for ultra-broadband, omnidirectional and polarization-independent absorption in the UV-NIR spectrum. *Nanoscale*, **2018**, 10, 8298-8303	7.7	99
106	Tunable multiband polarization conversion and manipulation in vanadium dioxide-based asymmetric chiral metamaterial. *Applied Physics Express*, **2018**, 11, 042004	2.4	2
105	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	3.8	34
104	Reconfigurable Metasurface Cloak for Dynamical Electromagnetic Illusions. *ACS Photonics*, **2018**, 5, 1718-1725	6.5	74
103	Broadband metamaterial as an □nvisible□adiative cooling coat. *Optics Communications*, **2018**, 407, 204-207		35
102	Color display and encryption with a plasmonic polarizing metamirror. *Nanophotonics*, **2018**, 7, 323-331	6.3	48
101	Achromatic Broadband Super-Resolution Imaging by Super-Oscillatory Metasurface. *Laser and Photonics Reviews*, **2018**, 12, 1800064	8.3	50
100	Large area deep subwavelength interference lithography with a 35 nm half-period based on bulk plasmon polaritons. *Optical Materials Express*, **2018**, 8, 199	2.6	26
99	Theory of microscopic meta-surface waves based on catenary optical fields and dispersion. *Optics Express*, **2018**, 26, 19555-19562	3.3	52
98	Tailoring active color rendering and multiband photodetection in a vanadium-dioxide-based metamaterial absorber. *Photonics Research*, **2018**, 6, 492	6	33
97	High-Efficiency and Wide-Angle Beam Steering Based on Catenary Optical Fields in Ultrathin Metalens. *Advanced Optical Materials*, **2018**, 6, 1800592	8.1	92
96	Ultra-broadband spin-controlled directional router based on single optical catenary integrated on silicon waveguide. *Applied Physics Express*, **2018**, 11, 092202	2.4	14
95	Revisitation of Extraordinary Young□ Interference: from Catenary Optical Fields to Spin□Orbit Interaction in Metasurfaces. *ACS Photonics*, **2018**, 5, 3198-3204	6.3	79
94	Perfect electromagnetic and sound absorption via subwavelength holes array. *Opto-Electronic Advances*, **2018**, 1, 18001301-18001306	6.5	25
93	Quasi-Talbot effect of orbital angular momentum beams for generation of optical vortex arrays by multiplexing metasurface design. *Nanoscale*, **2018**, 10, 666-671	7.7	33

92	Ultrathin Planar Microlens Arrays Based on Geometric Metasurface. *Annalen Der Physik*, **2018**, 530, 1700326	1.6	5
91	Wavelength-Dependent Three-Dimensional Volumetric Optical Vortices Modulation Based on Metasurface. *IEEE Photonics Journal*, **2018**, 10, 1-8	1.8	3
90	An Ultrabroadband THz Absorber Based on Structured Doped Silicon With Antireflection Techniques. *IEEE Photonics Journal*, **2018**, 10, 1-10	1.8	6
89	Photonic Devices: Plasmonic Metasurfaces for Switchable Photonic Spin□Orbit Interactions Based on Phase Change Materials (Adv. Sci. 10/2018). *Advanced Science*, **2018**, 5, 1870063	13.6	2
88	Plasmonic Metasurfaces for Switchable Photonic Spin-Orbit Interactions Based on Phase Change Materials. *Advanced Science*, **2018**, 5, 1800835	13.6	81
87	Wide Field-of-view and Broadband Terahertz Beam Steering Based on Gap Plasmon Geodesic Antennas. *Scientific Reports*, **2017**, 7, 41642	4.9	4
86	Nanofocusing of circularly polarized Bessel-type plasmon polaritons with hyperbolic metamaterials. *Materials Horizons*, **2017**, 4, 290-296	14.4	34
85	Actively Tunable Structural Color Rendering with Tensile Substrate. *Advanced Optical Materials*, **2017**, 5, 1600829	8.1	54
84	Merging plasmonics and metamaterials by two-dimensional subwavelength structures. *Journal of Materials Chemistry C*, **2017**, 5, 4361-4378	7.1	63
83	Proximity correction and resolution enhancement of plasmonic lens lithography far beyond the near field diffraction limit. *RSC Advances*, **2017**, 7, 12366-12373	3.7	7
82	Ultrahigh-capacity dynamic holographic displays via anisotropic nanoholes. *Nanoscale*, **2017**, 9, 1409-1415	7.7	38
81	All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin□Orbit Interactions. *Advanced Functional Materials*, **2017**, 27, 1704295	15.6	174
80	Batch Fabrication of Metasurface Holograms Enabled by Plasmonic Cavity Lithography. *Advanced Optical Materials*, **2017**, 5, 1700429	8.1	41
79	Dual-band wide-angle metamaterial perfect absorber based on the combination of localized surface plasmon resonance and Helmholtz resonance. *Scientific Reports*, **2017**, 7, 5652	4.9	26
78	Metasurfaces: All-Dielectric Metasurfaces for Simultaneous Giant Circular Asymmetric Transmission and Wavefront Shaping Based on Asymmetric Photonic Spin□Orbit Interactions (Adv. Funct. Mater. 47/2017). *Advanced Functional Materials*, **2017**, 27, 1770280	15.6	3
77	Ultra-broadband large-scale infrared perfect absorber with optical transparency. *Applied Physics Express*, **2017**, 10, 112601	2.4	33
76	Meta-holograms based on evanescent waves for encryption. *RSC Advances*, **2017**, 7, 53611-53616	3.7	1
75	Pushing the plasmonic imaging nanolithography to nano-manufacturing. *Optics Communications*, **2017**, 404, 62-72	2	16

74	Orbital Angular Momentum Multiplexing and Demultiplexing by a Single Metasurface. *Advanced Optical Materials*, **2017**, 5, 1600502	8.1	104
73	Multi-Channel Vortex Beam Generation by Simultaneous Amplitude and Phase Modulation with Two-Dimensional Metamaterial. *Advanced Materials Technologies*, **2017**, 2, 1600201	6.8	52
72	Super-resolution imaging with a Bessel lens realized by a geometric metasurface. *Optics Express*, **2017**, 25, 13933-13943	3.3	35
71	Deep subwavelength interference lithography with tunable pattern period based on bulk plasmon polaritons. *Optics Express*, **2017**, 25, 20511-20521	3.3	11
70	Dispersion controlling meta-lens at visible frequency. *Optics Express*, **2017**, 25, 21419-21427	3.3	54
69	Nanoapertures with ordered rotations: symmetry transformation and wide-angle flat lensing. *Optics Express*, **2017**, 25, 31471-31477	3.3	65
68	Meta-Chirality: Fundamentals, Construction and Applications. *Nanomaterials*, **2017**, 7,	5.4	30
67	Helicity Multiplexed Spin-Orbit Interaction in Metasurface for Colorized and Encrypted Holographic Display. *Annalen Der Physik*, **2017**, 529, 1700248	2.6	14
66	Merging Geometric Phase and Plasmon Retardation Phase in Continuously Shaped Metasurfaces for Arbitrary Orbital Angular Momentum Generation. *ACS Photonics*, **2016**, 3, 2022-2029	6.3	156
65	Dynamical manipulation of electromagnetic polarization using anisotropic meta-mirror. *Scientific Reports*, **2016**, 6, 30771	4.9	29
64	Combining the absorptive and radiative loss in metasurfaces for multi-spectral shaping of the electromagnetic scattering. *Scientific Reports*, **2016**, 6, 21462	4.9	37
63	Multicolor 3D meta-holography by broadband plasmonic modulation. *Science Advances*, **2016**, 2, e1601102	4.3	370
62	Circular polarization sensitive absorbers based on graphene. *Scientific Reports*, **2016**, 6, 23897	4.9	5
61	Achromatic flat optical components via compensation between structure and material dispersions. *Scientific Reports*, **2016**, 6, 19885	4.9	80
60	Generation and detection of orbital angular momentum via metasurface. *Scientific Reports*, **2016**, 6, 24286	4.9	64
59	Dynamic Control of the Extraordinary Optical Scattering in Semicontinuous 2D Metamaterials. *Advanced Optical Materials*, **2016**, 4, 659-663	8.1	25
58	Staked Graphene for Tunable Terahertz Absorber with Customized Bandwidth. *Plasmonics*, **2016**, 11, 1201-1206	2.4	26
57	Nanofocusing beyond the near-field diffraction limit via plasmonic Fano resonance. *Nanoscale*, **2016**, 8, 1635-41	7.7	36

56	Modeling and experimental study of plasmonic lens imaging with resolution enhanced methods. *Optics Express*, **2016**, 24, 27115-27126	3.3	10
55	Catenary nanostructures as compact Bessel beam generators. *Scientific Reports*, **2016**, 6, 20524	4.9	70
54	Metasurface-based broadband hologram with high tolerance to fabrication errors. *Scientific Reports* , **2016**, 6, 19856	4.9	37
53	Wavelength-selective orbital angular momentum generation based on a plasmonic metasurface. *Nanoscale*, **2016**, 8, 12267-71	7.7	18
52	Sub-diffraction-limited magnified Talbot imaging in cylindrical metamaterial. *Applied Physics A: Materials Science and Processing*, **2015**, 118, 1543-1549	2.6	1
51	Reducing side lobe level of antenna using frequency selective surface superstrate. *Microwave and Optical Technology Letters*, **2015**, 57, 1971-1975	1.2	12
50	A planar chiral meta-surface for optical vortex generation and focusing. *Scientific Reports*, **2015**, 5, 10365	4.9	142
49	Spatially and spectrally engineered spin-orbit interaction for achromatic virtual shaping. *Scientific Reports*, **2015**, 5, 9822	4.9	118
48	Near-field collimation of light carrying orbital angular momentum with bull's-eye-assisted plasmonic coaxial waveguides. *Scientific Reports*, **2015**, 5, 12108	4.9	16
47	Optical phased array radiating optical vortex with manipulated topological charges. *Optics Express*, **2015**, 23, 4873-9	3.3	6
46	Dispersion management of anisotropic metamirror for super-octave bandwidth polarization conversion. *Scientific Reports*, **2015**, 5, 8434	4.9	132
45	Realization of low-scattering metamaterial shell based on cylindrical wave expanding theory. *Optics Express*, **2015**, 23, 10396-404	3.3	8
44	Sharp Fano resonance induced by a single layer of nanorods with perturbed periodicity. *Optics Express*, **2015**, 23, 2895-903	3.3	41
43	Tight focusing of radially and azimuthally polarized light with plasmonic metalens. *Optics Communications*, **2015**, 356, 445-450	2	15
42	Catenary optics for achromatic generation of perfect optical angular momentum. *Science Advances*, **2015**, 1, e1500396	14.3	422
41	Fabrication of anisotropically arrayed nano-slots metasurfaces using reflective plasmonic lithography. *Nanoscale*, **2015**, 7, 18805-12	7.7	63
40	Quasi-continuous metasurface for ultra-broadband and polarization-controlled electromagnetic beam deflection. *Scientific Reports*, **2015**, 5, 17733	4.9	36
39	Multispectral optical metasurfaces enabled by achromatic phase transition. *Scientific Reports*, **2015**, 5, 15781	4.9	88

38	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	4.9	32
37	Super-resolution optical telescopes with local light diffraction shrinkage. *Scientific Reports*, **2015**, 5, 18485	4.9	43
36	Ultrabroadband superoscillatory lens composed by plasmonic metasurfaces for subdiffraction light focusing. *Laser and Photonics Reviews*, **2015**, 9, 713-719	8.3	159
35	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	24
34	Transfer of orbital angular momentum through sub-wavelength waveguides. *Optics Express*, **2015**, 23, 2857-62	3.3	11
33	Circular dichroism of graphene-based absorber in static magnetic field. *Journal of Applied Physics*, **2014**, 115, 154312	2.5	16
32	An Active Metamaterial for Polarization Manipulating. *Advanced Optical Materials*, **2014**, 2, 945-949	8.1	84
31	Fano resonance induced by mode coupling in all-dielectric nanorod array. *Applied Physics Express*, **2014**, 7, 032002	2.4	17
30	Dynamic manipulation of polarization states using anisotropic meta-surface. *Optics Communications* , **2014**, 319, 14-16	2	20
29	Electric-controlled scanning Luneburg lens based on metamaterials. *Applied Physics A: Materials Science and Processing*, **2013**, 111, 445-450	2.6	2
28	Dual-band 90°polarization rotator using twisted split ring resonators array. *Optics Communications*, **2013**, 291, 345-348	2	55
27	A Beam Steering Horn Antenna Using Active Frequency Selective Surface. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 6218-6223	4.9	95
26	Conversion of broadband energy to narrowband emission through double-sided metamaterials. *Optics Express*, **2013**, 21, 32207-16	3.3	36
25	Circular Dichroism and Optical Rotation in Twisted Y-Shaped Chiral Metamaterial. *Applied Physics Express*, **2013**, 6, 022001	2.4	19
24	Investigation of Fano resonance in planar metamaterial with perturbed periodicity. *Optics Express*, **2013**, 21, 992-1001	3.3	48
23	Strong enhancement of light absorption and highly directive thermal emission in graphene. *Optics Express*, **2013**, 21, 11618-27	3.3	49
22	Far field observation and theoretical analyses of light directional imaging in metamaterial with stacked metal-dielectric films. *Applied Physics Letters*, **2013**, 103, 031911	3.4	18
21	Broadband anomalous reflection based on gradient low-Q meta-surface. *AIP Advances*, **2013**, 3, 052136	1.5	60

20	Anisotropic meta-mirror for achromatic electromagnetic polarization manipulation. *Applied Physics Letters*, **2013**, 102, 131906	3.4	132
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