Shuang Zhang

List of Publications by Citations

240 papers	23,912 citations	70 h-index	152 g-index
270 ext. papers	28,876 ext. citations	11 avg, IF	7.13 L-index

#	Paper	IF	Citations
240	Plasmon-induced transparency in metamaterials. *Physical Review Letters*, **2008**, 101, 047401	7.4	1667
239	Three-dimensional optical metamaterial with a negative refractive index. *Nature*, **2008**, 455, 376-9	50.4	1615
238	Metasurface holograms reaching 80% efficiency. *Nature Nanotechnology*, **2015**, 10, 308-12	28.7	1519
237	Experimental demonstration of near-infrared negative-index metamaterials. *Physical Review Letters* , **2005**, 95, 137404	7.4	944
236	Three-dimensional optical holography using a plasmonic metasurface. *Nature Communications*, **2013**, 4,	17.4	844
235	Active control of electromagnetically induced transparency analogue in terahertz metamaterials. *Nature Communications*, **2012**, 3, 1151	17.4	783
234	Dual-polarity plasmonic metalens for visible light. *Nature Communications*, **2012**, 3, 1198	17.4	745
233	Negative refractive index in chiral metamaterials. *Physical Review Letters*, **2009**, 102, 023901	7.4	708
232	Dispersionless phase discontinuities for controlling light propagation. *Nano Letters*, **2012**, 12, 5750-5	11.5	649
231	Helicity multiplexed broadband metasurface holograms. *Nature Communications*, **2015**, 6, 8241	17.4	567
230	Electromagnetic reprogrammable coding-metasurface holograms. *Nature Communications*, **2017**, 8, 197	17.4	480
229	Broadband metasurfaces with simultaneous control of phase and amplitude. *Advanced Materials*, **2014**, 26, 5031-6	24	422
228	Helicity dependent directional surface plasmon polariton excitation using a metasurface with interfacial phase discontinuity. *Light: Science and Applications*, **2013**, 2, e70-e70	16.7	399
227	Nonlinear photonic metasurfaces. *Nature Reviews Materials*, **2017**, 2,	73.3	346
226	Photoinduced handedness switching in terahertz chiral metamolecules. *Nature Communications*, **2012**, 3, 942	17.4	333
225	Macroscopic invisibility cloaking of visible light. *Nature Communications*, **2011**, 2, 176	17.4	331
224	A Reconfigurable Active Huygens' Metalens. *Advanced Materials*, **2017**, 29, 1606422	24	301

223	Spin and wavelength multiplexed nonlinear metasurface holography. *Nature Communications*, **2016**, 7, 11930	17.4	290
222	Visible-Frequency Metasurface for Structuring and Spatially Multiplexing Optical Vortices. *Advanced Materials*, **2016**, 28, 2533-9	24	289
221	Continuous control of the nonlinearity phase for harmonic generations. *Nature Materials*, **2015**, 14, 607-12	27	278
220	Near-infrared double negative metamaterials. *Optics Express*, **2005**, 13, 4922-30	3.3	261
219	Broadband terahertz wave deflection based on C-shape complex metamaterials with phase discontinuities. *Advanced Materials*, **2013**, 25, 4567-72	24	258
218	Cloaking of matter waves. *Physical Review Letters*, **2008**, 100, 123002	7.4	254
217	Mimicking celestial mechanics in metamaterials. *Nature Physics*, **2009**, 5, 687-692	16.2	234
216	Midinfrared resonant magnetic nanostructures exhibiting a negative permeability. *Physical Review Letters*, **2005**, 94, 037402	7.4	219
215	Hybrid bilayer plasmonic metasurface efficiently manipulates visible light. *Science Advances*, **2016**, 2, e1501168	14.3	218
214	Split ring resonator sensors for infrared detection of single molecular monolayers. *Applied Physics Letters*, **2009**, 95, 043113	3.4	218
213	Spin-enabled plasmonic metasurfaces for manipulating orbital angular momentum of light. *Nano Letters*, **2013**, 13, 4148-51	11.5	207
212	Addressable metasurfaces for dynamic holography and optical information encryption. *Science Advances*, **2018**, 4, eaar6768	14.3	203
211	Topological photonic phase in chiral hyperbolic metamaterials. *Physical Review Letters*, **2015**, 114, 037402	7.4	193
210	Demonstration of metal-dielectric negative-index metamaterials with improved performance at optical frequencies. *Journal of the Optical Society of America B: Optical Physics*, **2006**, 23, 434	1.7	176
209	Enhanced infrared transmission through subwavelength coaxial metallic arrays. *Physical Review Letters*, **2005**, 94, 033902	7.4	165
208	Metasurface holography: from fundamentals to applications. *Nanophotonics*, **2018**, 7, 1169-1190	6.3	158
207	Ideal Weyl points and helicoid surface states in artificial photonic crystal structures. *Science*, **2018**, 359, 1013-1016	33.3	156
206	Multichannel Polarization-Controllable Superpositions of Orbital Angular Momentum States. *Advanced Materials*, **2017**, 29, 1603838	24	155

205	Ultranarrow coupling-induced transparency bands in hybrid plasmonic systems. *Physical Review B*, **2009**, 80,	3.3	148
204	Longitudinal Multifoci Metalens for Circularly Polarized Light. *Advanced Optical Materials*, **2015**, 3, 1201-1206	8.2	140
203	Polarization Encoded Color Image Embedded in a Dielectric Metasurface. *Advanced Materials*, **2018**, 30, e1707499	24	137
202	Coherent steering of nonlinear chiral valley photons with a synthetic Au–WS2 metasurface. *Nature Photonics*, **2019**, 13, 467-472	33.9	135
201	Electrically Tunable Slow Light Using Graphene Metamaterials. *ACS Photonics*, **2018**, 5, 1800-1807	6.3	128
200	A Broadband Metasurface-Based Terahertz Flat-Lens Array. *Advanced Optical Materials*, **2015**, 3, 779-785	8.1	127
199	Manifestation of PT symmetry breaking in polarization space with terahertz metasurfaces. *Physical Review Letters*, **2014**, 113, 093901	7.4	125
198	Dielectric Meta-Holograms Enabled with Dual Magnetic Resonances in Visible Light. *ACS Nano*, **2017**, 11, 9382-9389	16.7	122
197	Second Harmonic Generation from a Nanopatterned Isotropic Nonlinear Material. *Nano Letters*, **2006**, 6, 1027-1030	11.5	118
196	Optical negative-index bulk metamaterials consisting of 2D perforated metal-dielectric stacks. *Optics Express*, **2006**, 14, 6778-87	3.3	118
195	Plasmonic nanoparticle scattering for color holograms. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 12679-83	11.5	109
194	Ultrathin Nonlinear Metasurface for Optical Image Encoding. *Nano Letters*, **2017**, 17, 3171-3175	11.5	107
193	Broadband metasurface holograms: toward complete phase and amplitude engineering. *Scientific Reports*, **2016**, 6, 32867	4.9	103
192	High-resolution grayscale image hidden in a laser beam. *Light: Science and Applications*, **2018**, 7, 17129	16.7	96
191	Symmetry-selective third-harmonic generation from plasmonic metacrystals. *Physical Review Letters*, **2014**, 113, 033901	7.4	90
190	Broadband single molecule SERS detection designed by warped optical spaces. *Nature Communications*, **2018**, 9, 5428	17.4	90
189	Creation of Ghost Illusions Using Wave Dynamics in Metamaterials. *Advanced Functional Materials*, **2013**, 23, 4028-4034	15.6	89
188	Homogeneous optical cloak constructed with uniform layered structures. *Optics Express*, **2011**, 19, 8625-31	3.3	88

187	Metasurface Device with Helicity-Dependent Functionality. *Advanced Optical Materials*, **2016**, 4, 321-3278.1		87
186	Malus-metasurface-assisted polarization multiplexing. *Light: Science and Applications*, **2020**, 9, 101	16.7	86
185	Photonic Weyl degeneracies in magnetized plasma. *Nature Communications*, **2016**, 7, 12435	17.4	84
184	Dynamic Janus Metasurfaces in the Visible Spectral Region. *Nano Letters*, **2018**, 18, 4584-4589	11.5	83
183	Nonlinear Metasurface for Simultaneous Control of Spin and Orbital Angular Momentum in Second Harmonic Generation. *Nano Letters*, **2017**, 17, 7974-7979	11.5	82
182	Metasurface Enabled Wide-Angle Fourier Lens. *Advanced Materials*, **2018**, 30, e1706368	24	81
181	THz photonics in two dimensional materials and metamaterials: properties, devices and prospects. *Journal of Materials Chemistry C*, **2018**, 6, 1291-1306	7.1	81
180	Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. *ACS Photonics*, **2019**, 6, 211-220	6.3	81
179	Electrical access to critical coupling of circularly polarized waves in graphene chiral metamaterials. *Science Advances*, **2017**, 3, e1701377	14.3	80
178	Volumetric Generation of Optical Vortices with Metasurfaces. *ACS Photonics*, **2017**, 4, 338-346	6.3	77
177	Single-pixel computational ghost imaging with helicity-dependent metasurface hologram. *Science Advances*, **2017**, 3, e1701477	14.3	77
176	Coriolis force induced topological order for classical mechanical vibrations. *New Journal of Physics*, **2015**, 17, 073031	2.9	76
175	Direct observation of topological surface-state arcs in photonic metamaterials. *Nature Communications*, **2017**, 8, 97	17.4	76
174	Plasmon-induced transparency in twisted Fano terahertz metamaterials. *Optical Materials Express*, **2011**, 1, 391	2.6	75
173	Amplitude Modulation of Anomalously Refracted Terahertz Waves with Gated-Graphene Metasurfaces. *Advanced Optical Materials*, **2018**, 6, 1700507	8.1	75
172	Observation of chiral zero mode in inhomogeneous three-dimensional Weyl metamaterials. *Science*, **2019**, 363, 148-151	33.3	71
171	Tailoring MoS Valley-Polarized Photoluminescence with Super Chiral Near-Field. *Advanced Materials* , **2018**, 30, e1801908	24	66
170	Broadband all-dielectric magnifying lens for far-field high-resolution imaging. *Advanced Materials*, **2013**, 25, 6963-8	24	66

169	Deep subwavelength terahertz waveguides using gap magnetic plasmon. *Physical Review Letters*, **2009**, 102, 043904	7.4	66
168	A facile grating approach towards broadband, wide-angle and high-efficiency holographic metasurfaces. *Nanoscale*, **2016**, 8, 1588-94	7.7	65
167	Robust large dimension terahertz cloaking. *Advanced Materials*, **2012**, 24, 916-21	24	64
166	Anti-Hermitian plasmon coupling of an array of gold thin-film antennas for controlling light at the nanoscale. *Physical Review Letters*, **2012**, 109, 193902	7.4	64
165	Optical negative refraction by four-wave mixing in thin metallic nanostructures. *Nature Materials*, **2011**, 11, 34-8	27	64
164	Dual control of active graphene–silicon hybrid metamaterial devices. *Carbon*, **2015**, 90, 146-153	10.4	63
163	Spin-dependent optics with metasurfaces. *Nanophotonics*, **2017**, 6, 215-234	6.3	63
162	Imaging through Nonlinear Metalens Using Second Harmonic Generation. *Advanced Materials*, **2018**, 30, 1703843	24	62
161	Giant Nonlinear Optical Activity of Achiral Origin in Planar Metasurfaces with Quadratic and Cubic Nonlinearities. *Advanced Materials*, **2016**, 28, 2992-9	24	62
160	Geometric metasurface fork gratings for vortex-beam generation and manipulation. *Laser and Photonics Reviews*, **2016**, 10, 322-326	8.3	61
159	Rotational Doppler effect in nonlinear optics. *Nature Physics*, **2016**, 12, 736-740	16.2	60
158	Spatial Frequency Multiplexed Meta-Holography and Meta-Nanoprinting. *ACS Nano*, **2019**, 13, 9237-9246	16.7	60
157	Optical and acoustic metamaterials: superlens, negative refractive index and invisibility cloak. *Journal of Optics (United Kingdom)*, **2017**, 19, 084007	1.7	60
156	Nanoheteroepitaxy for the integration of highly mismatched semiconductor materials. *IEEE Journal of Quantum Electronics*, **2002**, 38, 1017-1028	2	58
155	Metasurface-based key for computational imaging encryption. *Science Advances*, **2021**, 7,	14.3	58
154	Three-Channel Metasurfaces for Simultaneous Meta-Holography and Meta-Nanoprinting: A Single-Cell Design Approach. *Laser and Photonics Reviews*, **2020**, 14, 2000032	8.3	57
153	Ultrathin Metasurface Laser Beam Shaper. *Advanced Optical Materials*, **2014**, 2, 978-982	8.1	55
152	Manipulating DC currents with bilayer bulk natural materials. *Advanced Materials*, **2014**, 26, 3478-83	24	53

151	Reversible Three-Dimensional Focusing of Visible Light with Ultrathin Plasmonic Flat Lens. *Advanced Optical Materials*, **2013**, 1, 517-521	8.1	53
150	Dielectric multi-momentum meta-transformer in the visible. *Nature Communications*, **2019**, 10, 4789	17.4	50
149	Direct polarization measurement using a multiplexed PancharatnamBerry metahologram. *Optica*, **2019**, 6, 1190	8.6	50
148	Spin-Selective Transmission in Chiral Folded Metasurfaces. *Nano Letters*, **2019**, 19, 3432-3439	11.5	50
147	Second harmonic generation from patterned GaAs inside a subwavelength metallic hole array. *Optics Express*, **2006**, 14, 9570-5	3.3	49
146	Three Dimensional Photonic Dirac Points in Metamaterials. *Physical Review Letters*, **2017**, 119, 213901	7.4	47
145	Zero-n bandgap in photonic crystal superlattices. *Journal of the Optical Society of America B: Optical Physics*, **2006**, 23, 506	1.7	47
144	Wide-angled off-axis achromatic metasurfaces for visible light. *Optics Express*, **2016**, 24, 23118-23128	3.3	46
143	A Single-Celled Tri-Functional Metasurface Enabled with Triple Manipulations of Light. *Advanced Functional Materials*, **2020**, 30, 2003990	15.6	43
142	Controlling the plasmonic orbital angular momentum by combining the geometric and dynamic phases. *Nanoscale*, **2017**, 9, 4944-4949	7.7	42
141	Experimental observation of photonic nodal line degeneracies in metacrystals. *Nature Communications*, **2018**, 9, 950	17.4	42
140	Modulating the fundamental inductive-capacitive resonance in asymmetric double-split ring terahertz metamaterials. *Applied Physics Letters*, **2011**, 98, 121114	3.4	41
139	Mapping the near-field dynamics in plasmon-induced transparency. *Physical Review B*, **2012**, 86,	3.3	41
138	Photonic Weyl points due to broken time-reversal symmetry in magnetized semiconductor. *Nature Physics*, **2019**, 15, 1150-1155	16.2	40
137	Large Chiroptical Effects in Planar Chiral Metamaterials. *Physical Review Applied*, **2017**, 7,	4.3	40
136	Electrically-controlled digital metasurface device for light projection displays. *Nature Communications*, **2020**, 11, 3574	17.4	40
135	Revealing the missing dimension at an exceptional point. *Nature Physics*, **2020**, 16, 571-578	16.2	39
134	Asymmetric excitation of surface plasmons by dark mode coupling. *Science Advances*, **2016**, 2, e1501142	14.3	39

133	Amplitude- and Phase-Controlled Surface Plasmon Polariton Excitation with Metasurfaces. *ACS Photonics*, **2016**, 3, 124-129	6.3	39
132	Anomalous Surface Wave Launching by Handedness Phase Control. *Advanced Materials*, **2015**, 27, 7123-9	24	38
131	Polarization-controlled surface plasmon holography. *Laser and Photonics Reviews*, **2017**, 11, 1600212	8.3	36
130	Disorder-Induced Topological State Transition in Photonic Metamaterials. *Physical Review Letters*, **2017**, 119, 183901	7.4	36
129	Generation of Switchable Singular Beams with Dynamic Metasurfaces. *ACS Nano*, **2019**, 13, 7100-7106	16.7	36
128	Dual field-of-view step-zoom metalens. *Optics Letters*, **2017**, 42, 1261-1264	3	36
127	Third Harmonic Generation Enhanced by Multipolar Interference in Complementary Silicon Metasurfaces. *ACS Photonics*, **2018**, 5, 1671-1675	6.3	35
126	Enhanced mid-infrared transmission through nanoscale metallic coaxial-aperture arrays. *Optics Express*, **2005**, 13, 4406-13	3.3	35
125	From Lingering to Rift: Metasurface Decoupling for Near- and Far-Field Functionalization. *Advanced Materials*, **2021**, 33, e2007507	24	33
124	Observation of Three-Dimensional Photonic Dirac Points and Spin-Polarized Surface Arcs. *Physical Review Letters*, **2019**, 122, 203903	7.4	31
123	Rotational Doppler shift induced by spin-orbit coupling of light at spinning metasurfaces. *Optica*, **2017**, 4, 1000	8.6	31
122	Dynamic mode coupling in terahertz metamaterials. *Scientific Reports*, **2015**, 5, 10823	4.9	31
121	Topologically Protected Edge State in Two-Dimensional Su-Schrieffer-Heeger Circuit. *Research*, **2019**, 2019, 8609875	7.8	31
120	Line Degeneracy and Strong Spin-Orbit Coupling of Light with Bulk Bianisotropic Metamaterials. *Physical Review Letters*, **2015**, 115, 067402	7.4	30
119	Spin-Controlled Integrated Near- and Far-Field Optical Launcher. *Advanced Functional Materials*, **2018**, 28, 1705503	15.6	30
118	Pancharatnam-Berry Phase Induced Spin-Selective Transmission in Herringbone Dielectric Metamaterials. *Advanced Materials*, **2016**, 28, 9567-9572	24	30
117	Interference-induced asymmetric transmission through a monolayer of anisotropic chiral metamolecules. *Physical Review A*, **2013**, 88,	2.6	29
116	Surface Plasmon Polariton Mediated Multiple Toroidal Resonances in 3D Folding Metamaterials. *ACS Photonics*, **2017**, 4, 2650-2658	6.3	28

115	Manipulating disordered plasmonic systems by external cavity with transition from broadband absorption to reconfigurable reflection. *Nature Communications*, **2020**, 11, 1538	17.4	27
114	Strong Nonlinear Optical Activity Induced by Lattice Surface Modes on Plasmonic Metasurface. *Nano Letters*, **2019**, 19, 6278-6283	11.5	27
113	Sub-Poissonian shot noise of a high internal gain injection photon detector. *Optics Express*, **2008**, 16, 12701-6	3.3	27
112	Dynamically configurable hybridization of plasmon modes in nanoring dimer arrays. *Nanoscale*, **2015**, 7, 12018-22	7.7	26
111	Manipulation of vector beam polarization with geometric metasurfaces. *Optics Express*, **2017**, 25, 14300-14307	3.3	26
110	Magnetized plasma for reconfigurable subdiffraction imaging. *Physical Review Letters*, **2011**, 106, 243901	7.4	26
109	One-way helical electromagnetic wave propagation supported by magnetized plasma. *Scientific Reports*, **2016**, 6, 21461	4.9	26
108	Gigantic electric-field-induced second harmonic generation from an organic conjugated polymer enhanced by a band-edge effect. *Light: Science and Applications*, **2019**, 8, 17	16.7	25
107	Broadband Terahertz Wave Deflection Based on C-shape Complex Metamaterials with Phase Discontinuities (Adv. Mater. 33/2013). *Advanced Materials*, **2013**, 25, 4566-4566	24	25
106	Optical Möbius symmetry in metamaterials. *Physical Review Letters*, **2010**, 105, 235501	7.4	25
105	Gain- and Loss-Induced Topological Insulating Phase in a Non-Hermitian Electrical Circuit. *Physical Review Applied*, **2020**, 13,	4.3	24
104	Spin and Geometric Phase Control Four-Wave Mixing from Metasurfaces. *Laser and Photonics Reviews*, **2018**, 12, 1800034	8.3	24
103	A photon detector with very high gain at low bias and at room temperature. *Applied Physics Letters*, **2007**, 91, 171112	3.4	24
102	A dielectric metasurface optical chip for the generation of cold atoms. *Science Advances*, **2020**, 6, eabb6667	14.3	24
101	Helicity-Preserving Omnidirectional Plasmonic Mirror. *Advanced Optical Materials*, **2016**, 4, 654-658	8.1	23
100	Large-area, infrared nanophotonic materials fabricated using interferometric lithography. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2005**, 23, 2700		22
99	Extrinsically 2D-Chiral Metamirror in Near-Infrared Region. *ACS Photonics*, **2020**, 7, 375-383	6.3	22
98	Nonlinear Imaging of Nanoscale Topological Corner States. *Nano Letters*, **2021**, 21, 4592-4597	11.5	22

97	Controlling the phase of optical nonlinearity with plasmonic metasurfaces. *Nanophotonics*, **2018**, 7, 101361024	6.5	21
96	Transverse photon spin of bulk electromagnetic waves in bianisotropic media. *Nature Photonics*, **2019**, 13, 878-882	33.9	21
95	Observation of Hourglass Nodal Lines in Photonics. *Physical Review Letters*, **2019**, 122, 103903	7.4	20
94	Chiral surface waves supported by biaxial hyperbolic metamaterials. *Light: Science and Applications*, **2015**, 4, e328-e328	16.7	20
93	Development of Bulk Optical Negative Index Fishnet Metamaterials: Achieving a Low-Loss and Broadband Response Through Coupling. *Proceedings of the IEEE*, **2011**, 99, 1682-1690	14.3	20
92	Computational ghost imaging of hot objects in long-wave infrared range. *Applied Physics Letters*, **2017**, 111, 031110	3.4	20
91	Broadband SERS detection with disordered plasmonic hybrid aggregates. *Nanoscale*, **2020**, 12, 93-102	7.7	20
90	Dual-band dichroic asymmetric transmission of linearly polarized waves in terahertz chiral metamaterial. *Nanophotonics*, **2020**, 9, 3235-3242	6.3	19
89	Gate-Programmable Electro-Optical Addressing Array of Graphene-Coated Nanowires with Sub-10 nm Resolution. *ACS Photonics*, **2016**, 3, 1847-1853	6.3	19
88	Giant Kerr nonlinearity and low-power gigahertz solitons via plasmon-induced transparency. *Scientific Reports*, **2015**, 5, 13780	4.9	18
87	Polarization-Controlled Plasmonic Structured Illumination. *Nano Letters*, **2020**, 20, 2602-2608	11.5	17
86	Electromagnetic energy density in a single-resonance chiral metamaterial. *Optics Letters*, **2011**, 36, 675-73		17
85	Intrinsic Chirality and Multispectral Spin-Selective Transmission in Folded Eta-Shaped Metamaterials. *Advanced Optical Materials*, **2020**, 8, 1901448	8.1	17
84	Observation of Non-Abelian Nodal Links in Photonics. *Physical Review Letters*, **2020**, 125, 033901	7.4	17
83	Shaping 3D Path of Electromagnetic Waves Using Gradient-Refractive-Index Metamaterials. *Advanced Science*, **2016**, 3, 1600022	13.6	17
82	Extremely Broadband Topological Surface States in a Photonic Topological Metamaterial. *Advanced Optical Materials*, **2019**, 7, 1900900	8.1	16
81	Broadband spin-controlled focusing via logarithmic-spiral nanoslits of varying width. *Laser and Photonics Reviews*, **2015**, 9, 674-681	8.3	15
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79	Pseudospin-induced chirality with staggered optical graphene. *Light: Science and Applications*, **2016**, 5, e16094	16.7	15
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77	High-Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. *Advanced Theory and Simulations*, **2018**, 1, 1800070	3.5	14
76	Third Harmonic Generation of Optical Vortices Using Holography-Based Gold-Fork Microstructure. *Advanced Optical Materials*, **2014**, 2, 389-393	8.1	14
75	Far-field measurement of ultra-small plasmonic mode volume. *Optics Express*, **2010**, 18, 6048-55	3.3	14
74	Octupole corner state in a three-dimensional topological circuit. *Light: Science and Applications*, **2020**, 9, 145	16.7	14
73	Metalens for Generating a Customized Vectorial Focal Curve. *Nano Letters*, **2021**, 21, 2081-2087	11.5	14
72	Observation of an exceptional point in a non-Hermitian metasurface. *Nanophotonics*, **2020**, 9, 1031-1039	6.3	13
71	Disorder-Immune Photonics Based on Mie-Resonant Dielectric Metamaterials. *Physical Review Letters*, **2019**, 123, 163901	7.4	13
70	Designing the Fourier space with transformation optics. *Optics Letters*, **2009**, 34, 3128-30	3	13
69	Initial nanoheteroepitaxial growth of GaAs on Si(100) by OMVPE. *Journal of Electronic Materials*, **2001**, 30, 812-816	1.9	13
68	Photonic Hall effect and helical in a synthetic Weyl system. *Light: Science and Applications*, **2019**, 8, 49	16.7	12
67	Positive and Negative Ghost Imaging. *Physical Review Applied*, **2019**, 12,	4.3	11
66	Reversible switching of electromagnetically induced transparency in phase change metasurfaces. *Advanced Photonics*, **2020**, 2,	8.1	11
65	Stretchable Photonic Fermi Arcs in Twisted Magnetized Plasma. *Laser and Photonics Reviews*, **2018**, 12, 1700226	8.3	11
64	Infrared transmission resonances in double-layered, complementary-structure metallic gratings. *Optics Express*, **2007**, 15, 8737-44	3.3	10
63	Superconductive PT-symmetry phase transition in metasurfaces. *Applied Physics Letters*, **2017**, 110, 021104	3.4	9
62	High-Order Nonlinear Spin-Orbit Interaction on Plasmonic Metasurfaces. *Nano Letters*, **2020**, 20, 8549-8555	11.5	9

61	Vortical Reflection and Spiraling Fermi Arcs with Weyl Metamaterials. *Physical Review Letters*, **2020**, 125, 093904	7.4	9
60	Disorder-Induced Material-Insensitive Optical Response in Plasmonic Nanostructures: Vibrant Structural Colors from Noble Metals. *Advanced Materials*, **2021**, 33, e2007623	24	9
59	Experimental observation of non-Abelian topological charges and edge states. *Nature*, **2021**, 594, 195-200	50.4	9
58	Phenomenological modeling of geometric metasurfaces. *Optics Express*, **2016**, 24, 7120-32	3.3	9
57	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. *Nano Letters*, **2021**, 21, 7699-7707	11.5	9
56	Spontaneous Emission and Resonant Scattering in Transition from Type I to Type II Photonic Weyl Systems. *Physical Review Letters*, **2019**, 123, 033901	7.4	8
55	Circular-Polarization-Selective Transmission Induced by Spin-Orbit Coupling in a Helical Tape Waveguide. *Physical Review Applied*, **2018**, 9,	4.3	8
54	Single-step-fabricated disordered metasurfaces for enhanced light extraction from LEDs. *Light: Science and Applications*, **2021**, 10, 180	16.7	8
53	Augmented Reality Enabled by On-Chip Meta-Holography Multiplexing. *Laser and Photonics Reviews*,2100638	8.3	8
52	Chirality Enhancement Using Fabry-P□ot-Like Cavity. *Research*, **2020**, 2020, 7873581	7.8	7
51	A Reusable Metasurface Template. *Nano Letters*, **2020**, 20, 6845-6851	11.5	7
50	Code Division Multiplexing Inspired Dynamic Metasurface Holography. *Advanced Functional Materials*, **2021**, 31, 2103326	15.6	7
49	Adaptable Invisibility Management Using Kirigami-Inspired Transformable Metamaterials. *Research*, **2021**, 2021, 9806789	7.8	7
48	Multiplexed Generation of Generalized Vortex Beams with On-Demand Intensity Profiles Based on Metasurfaces. *Laser and Photonics Reviews*, **2022**, 16, 2100451	8.3	7
47	Coupling-Mediated Selective Spin-to-Plasmonic-Orbital Angular Momentum Conversion. *Advanced Optical Materials*, **2019**, 7, 1900713	8.1	6
46	Publisher□ Note: Anti-Hermitian plasmon coupling of an array of gold thin-film antennas for controlling light at the nanoscale [Phys. Rev. Lett. 109, 193902 (2012)]. *Physical Review Letters*, **2012**, 109,	7.4	6
45	Moir□ Fringe Induced Gauge Field in Photonics. *Physical Review Letters*, **2020**, 125, 203901	7.4	6
44	Momentum space toroidal moment in a photonic metamaterial. *Nature Communications*, **2021**, 12, 1784	17.4	6

43	Non-Hermitian Skin Effect in a Non-Hermitian Electrical Circuit. *Research*, **2021**, 2021, 5608038	7.8	6
42	Pseudospin-Mediated Optical Spin–Spin Interaction in Nonlinear Photonic Graphene. *Laser and Photonics Reviews*, **2019**, 13, 1800242	8.3	6
41	Compressive Imaging Encryption with Secret Sharing Metasurfaces. *Advanced Optical Materials*,22002578.1		6
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