

Shuang Zhang

List of Publications by Year in descending order

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266
papers

32,897
citations

6486

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4511

177
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270
all docs

270
docs citations

270
times ranked

16449
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Purcell effect induced by quasibound state in the continuum. <i>Fundamental Research</i> , 2024, 4, 57-62.	1.6	12
2	Vortex radiation from a single emitter in a chiral plasmonic nanocavity. <i>Nanophotonics</i> , 2022, .	2.9	1
3	All-optical modulation of quantum states by nonlinear metasurface. <i>Light: Science and Applications</i> , 2022, 11, 58.	7.7	21
4	Observation of Weyl exceptional rings in thermal diffusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2110018119.	3.3	21
5	Multiplexed Generation of Generalized Vortex Beams with On-Demand Intensity Profiles Based on Metasurfaces. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	25
6	Augmented Reality Enabled by On-Chip Meta-Holography Multiplexing. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	41
7	Intrinsic superflat bands in general twisted bilayer systems. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	9
8	Compressive Imaging Encryption with Secret Sharing Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	29
9	Observation of Non-Abelian Thouless Pump. <i>Physical Review Letters</i> , 2022, 128, .	2.9	21
10	Anisotropic Metasurface Holography in 3-D Space With High Resolution and Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 302-316.	3.1	34
11	Active tuning of electromagnetically induced transparency from chalcogenide-only metasurface. <i>Light Advanced Manufacturing</i> , 2021, 2, 1.	2.2	12
12	Veselago lensing with Weyl metamaterials. <i>Optica</i> , 2021, 8, 249.	4.8	19
13	Metalens for Generating a Customized Vectorial Focal Curve. <i>Nano Letters</i> , 2021, 21, 2081-2087.	4.5	51
14	Copropagating Photonic Fermi Arc Channels for Multiplexing and Dynamically Routing Topological Surface Waves. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000360.	4.4	7
15	From Lingering to Rift: Metasurface Decoupling for Near- and Far-Field Functionalization. <i>Advanced Materials</i> , 2021, 33, e2007507.	11.1	60
16	Momentum space toroidal moment in a photonic metamaterial. <i>Nature Communications</i> , 2021, 12, 1784.	5.8	16
17	Non-Hermitian Skin Effect in a Non-Hermitian Electrical Circuit. <i>Research</i> , 2021, 2021, 5608038.	2.8	79
18	Intrinsic in-plane nodal chain and generalized quaternion charge protected nodal link in photonics. <i>Light: Science and Applications</i> , 2021, 10, 83.	7.7	32

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19	Disorder-Induced Material-Insensitive Optical Response in Plasmonic Nanostructures: Vibrant Structural Colors from Noble Metals. <i>Advanced Materials</i> , 2021, 33, e2007623.	11.1	21
20	Metasurface-based key for computational imaging encryption. <i>Science Advances</i> , 2021, 7, .	4.7	153
21	Nonlinear Imaging of Nanoscale Topological Corner States. <i>Nano Letters</i> , 2021, 21, 4592-4597.	4.5	51
22	Code Division Multiplexing Inspired Dynamic Metasurface Holography. <i>Advanced Functional Materials</i> , 2021, 31, 2103326.	7.8	29
23	Material-Insensitive Optical Response From Disordered Plasmonic Nanostructures. , 2021, , .		0
24	Experimental observation of non-Abelian topological charges and edge states. <i>Nature</i> , 2021, 594, 195-200.	13.7	61
25	Optically Reconfigurable Spin-Valley Hall Effect of Light in Coupled Nonlinear Ring Resonator Lattice. <i>Physical Review Letters</i> , 2021, 127, 043904.	2.9	15
26	Chiral transport of pseudospinors induced by synthetic gravitational field in photonic Weyl metamaterials. <i>Physical Review B</i> , 2021, 104, .	1.1	7
27	Linked Weyl surfaces and Weyl arcs in photonic metamaterials. <i>Science</i> , 2021, 373, 572-576.	6.0	36
28	Broadband meta-converters for multiple Laguerre-Gaussian modes. <i>Photonics Research</i> , 2021, 9, 1689.	3.4	9
29	A Nonlocal Effective Medium Description of Topological Weyl Metamaterials. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100129.	4.4	13
30	Steering Nonlinear Twisted Valley Photons of Monolayer WS ₂ by Vector Beams. <i>Nano Letters</i> , 2021, 21, 7261-7269.	4.5	6
31	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. <i>Nano Letters</i> , 2021, 21, 7699-7707.	4.5	52
32	Adaptable Invisibility Management Using Kirigami-Inspired Transformable Metamaterials. <i>Research</i> , 2021, 2021, 9806789.	2.8	21
33	Single-step-fabricated disordered metasurfaces for enhanced light extraction from LEDs. <i>Light: Science and Applications</i> , 2021, 10, 180.	7.7	23
34	Metafabrics for cooling under a scorching sun. <i>Light: Science and Applications</i> , 2021, 10, 218.	7.7	2
35	Acoustic geometric-phase meta-array. <i>New Journal of Physics</i> , 2021, 23, 113026.	1.2	11
36	Leaky-Wave Antenna With Switchable Omnidirectional Conical Radiation via Polarization Handedness. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 1282-1288.	3.1	10

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37	Broadband SERS detection with disordered plasmonic hybrid aggregates. <i>Nanoscale</i> , 2020, 12, 93-102.	2.8	34
38	Intrinsic Chirality and Multispectral Spin-Selective Transmission in Folded Epsilon-Shaped Metamaterials. <i>Advanced Optical Materials</i> , 2020, 8, 1901448.	3.6	36
39	Extrinsically 2D-Chiral Metamirror in Near-Infrared Region. <i>ACS Photonics</i> , 2020, 7, 375-383.	3.2	41
40	Continuous topological transition from metal to dielectric. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16739-16742.	3.3	8
41	Observation of Non-Abelian Nodal Links in Photonics. <i>Physical Review Letters</i> , 2020, 125, 033901.	2.9	59
42	Electrically-controlled digital metasurface device for light projection displays. <i>Nature Communications</i> , 2020, 11, 3574.	5.8	98
43	Moiré Fringe Induced Gauge Field in Photonics. <i>Physical Review Letters</i> , 2020, 125, 203901.	2.9	21
44	A dielectric metasurface optical chip for the generation of cold atoms. <i>Science Advances</i> , 2020, 6, eabb6667.	4.7	69
45	Octupole corner state in a three-dimensional topological circuit. <i>Light: Science and Applications</i> , 2020, 9, 145.	7.7	45
46	A Reusable Metasurface Template. <i>Nano Letters</i> , 2020, 20, 6845-6851.	4.5	19
47	Vortical Reflection and Spiraling Fermi Arcs with Weyl Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 093904.	2.9	26
48	A Single-Celled Tri-Functional Metasurface Enabled with Triple Manipulations of Light. <i>Advanced Functional Materials</i> , 2020, 30, 2003990.	7.8	71
49	High-Order Nonlinear Spin-Orbit Interaction on Plasmonic Metasurfaces. <i>Nano Letters</i> , 2020, 20, 8549-8555.	4.5	21
50	AI empowered metasurfaces. <i>Light: Science and Applications</i> , 2020, 9, 94.	7.7	15
51	Malus-metasurface-assisted polarization multiplexing. <i>Light: Science and Applications</i> , 2020, 9, 101.	7.7	176
52	Polarization-Controlled Plasmonic Structured Illumination. <i>Nano Letters</i> , 2020, 20, 2602-2608.	4.5	29
53	Photonic topological fermi nodal disk in non-Hermitian magnetic plasma. <i>Light: Science and Applications</i> , 2020, 9, 40.	7.7	12
54	Revealing the missing dimension at an exceptional point. <i>Nature Physics</i> , 2020, 16, 571-578.	6.5	100

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55	Manipulating disordered plasmonic systems by external cavity with transition from broadband absorption to reconfigurable reflection. <i>Nature Communications</i> , 2020, 11, 1538.	5.8	54
56	Circular Dichroism: Intrinsic Chirality and Multispectral Spin-Selective Transmission in Folded Epsilon-Shaped Metamaterials (<i>Advanced Optical Materials</i> 4/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070014.	3.6	1
57	Dual-band dichroic asymmetric transmission of linearly polarized waves in terahertz chiral metamaterial. <i>Nanophotonics</i> , 2020, 9, 3235-3242.	2.9	44
58	Observation of an exceptional point in a non-Hermitian metasurface. <i>Nanophotonics</i> , 2020, 9, 1031-1039.	2.9	55
59	Gain- and Loss-Induced Topological Insulating Phase in a Non-Hermitian Electrical Circuit. <i>Physical Review Applied</i> , 2020, 13, .	1.5	77
60	Three-Channel Metasurfaces for Simultaneous Meta-Holography and Meta-Nanoprinting: A Single-Cell Design Approach. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000032.	4.4	110
61	Reversible switching of electromagnetically induced transparency in phase change metasurfaces. <i>Advanced Photonics</i> , 2020, 2, .	6.2	29
62	Chirality Enhancement Using Fabry-Pérot-Like Cavity. <i>Research</i> , 2020, 2020, 7873581.	2.8	13
63	Chaotic photon spheres in non-Euclidean billiard. <i>Nanophotonics</i> , 2020, 9, 3367-3372.	2.9	4
64	Dual-channel sensing by combining geometric and dynamic phases with an ultrathin metasurface. <i>Optics Express</i> , 2020, 28, 28612.	1.7	1
65	Photonic Weyl points due to broken time-reversal symmetry in magnetized semiconductor. <i>Nature Physics</i> , 2019, 15, 1150-1155.	6.5	81
66	Strong Nonlinear Optical Activity Induced by Lattice Surface Modes on Plasmonic Metasurface. <i>Nano Letters</i> , 2019, 19, 6278-6283.	4.5	51
67	Spontaneous Emission and Resonant Scattering in Transition from Type I to Type II Photonic Weyl Systems. <i>Physical Review Letters</i> , 2019, 123, 033901.	2.9	13
68	Bio-inspired plasmonic leaf for enhanced light-matter interactions. <i>Nanophotonics</i> , 2019, 8, 1291-1298.	2.9	5
69	Coupling-Mediated Selective Spin-to-Plasmonic Orbital Angular Momentum Conversion. <i>Advanced Optical Materials</i> , 2019, 7, 1900713.	3.6	11
70	Extremely Broadband Topological Surface States in a Photonic Topological Metamaterial. <i>Advanced Optical Materials</i> , 2019, 7, 1900900.	3.6	28
71	Spatial Frequency Multiplexed Meta-Holography and Meta-Nanoprinting. <i>ACS Nano</i> , 2019, 13, 9237-9246.	7.3	76
72	Disorder-Immune Photonics Based on Mie-Resonant Dielectric Metamaterials. <i>Physical Review Letters</i> , 2019, 123, 163901.	2.9	27

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73	Enhanced Dynamic Casimir Effect in Temporally and Spatially Modulated Josephson Transmission Line. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900164.	4.4	5
74	Dielectric multi-momentum meta-transformer in the visible. <i>Nature Communications</i> , 2019, 10, 4789.	5.8	82
75	Positive and Negative Ghost Imaging. <i>Physical Review Applied</i> , 2019, 12, .	1.5	19
76	Gigantic electric-field-induced second harmonic generation from an organic conjugated polymer enhanced by a band-edge effect. <i>Light: Science and Applications</i> , 2019, 8, 17.	7.7	34
77	Observation of Three-Dimensional Photonic Dirac Points and Spin-Polarized Surface Arcs. <i>Physical Review Letters</i> , 2019, 122, 203903.	2.9	51
78	Photonic Hall effect and helical Zitterbewegung in a synthetic Weyl system. <i>Light: Science and Applications</i> , 2019, 8, 49.	7.7	21
79	Generation of Switchable Singular Beams with Dynamic Metasurfaces. <i>ACS Nano</i> , 2019, 13, 7100-7106.	7.3	58
80	Simultaneous TE and TM designer surface plasmon supported by bianisotropic metamaterials with positive permittivity and permeability. <i>Nanophotonics</i> , 2019, 8, 1357-1362.	2.9	7
81	Plasmonic field guided patterning of ordered colloidal nanostructures. <i>Nanophotonics</i> , 2019, 8, 505-512.	2.9	5
82	Observation of Hourglass Nodal Lines in Photonics. <i>Physical Review Letters</i> , 2019, 122, 103903.	2.9	50
83	Coherent steering of nonlinear chiral valley photons with a synthetic Au/WS ₂ metasurface. <i>Nature Photonics</i> , 2019, 13, 467-472.	15.6	236
84	Transverse photon spin of bulk electromagnetic waves in bianisotropic media. <i>Nature Photonics</i> , 2019, 13, 878-882.	15.6	37
85	Observation of chiral zero mode in inhomogeneous three-dimensional Weyl metamaterials. <i>Science</i> , 2019, 363, 148-151.	6.0	120
86	Spin-Selective Transmission in Chiral Folded Metasurfaces. <i>Nano Letters</i> , 2019, 19, 3432-3439.	4.5	89
87	Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. <i>ACS Photonics</i> , 2019, 6, 211-220.	3.2	132
88	Pseudospin-Mediated Optical Spin-Spin Interaction in Nonlinear Photonic Graphene. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800242.	4.4	11
89	Topologically Protected Edge State in Two-Dimensional Su-Schrieffer-Heeger Circuit. <i>Research</i> , 2019, 2019, 1-8.	2.8	7
90	Direct polarization measurement using a multiplexed Pancharatnam-Berry metahologram. <i>Optica</i> , 2019, 6, 1190.	4.8	100

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91	Topologically Protected Edge State in Two-Dimensional Suâ€“Schriefferâ€“Heeger Circuit. Research, 2019, 2019, 8609875.	2.8	55
92	Optical manipulation of Rayleigh particles by metalensesâ€“a numerical study. Applied Optics, 2019, 58, 5794.	0.9	4
93	Experimental observation of photonic nodal line degeneracies in metacrystals. Nature Communications, 2018, 9, 950.	5.8	80
94	Electrically Tunable Slow Light Using Graphene Metamaterials. ACS Photonics, 2018, 5, 1800-1807.	3.2	187
95	Spin and Geometric Phase Control Fourâ€“Wave Mixing from Metasurfaces. Laser and Photonics Reviews, 2018, 12, 1800034.	4.4	38
96	Metasurface Enabled Wideâ€“Angle Fourier Lens. Advanced Materials, 2018, 30, e1706368.	11.1	112
97	Polarization Encoded Color Image Embedded in a Dielectric Metasurface. Advanced Materials, 2018, 30, e1707499.	11.1	198
98	High-resolution grayscale image hidden in a laser beam. Light: Science and Applications, 2018, 7, 17129-17129.	7.7	140
99	Third Harmonic Generation Enhanced by Multipolar Interference in Complementary Silicon Metasurfaces. ACS Photonics, 2018, 5, 1671-1675.	3.2	52
100	Spinâ€“Controlled Integrated Nearâ€“and Farâ€“Field Optical Launcher. Advanced Functional Materials, 2018, 28, 1705503.	7.8	39
101	Ideal Weyl points and helicoid surface states in artificial photonic crystal structures. Science, 2018, 359, 1013-1016.	6.0	250
102	THz photonics in two dimensional materials and metamaterials: properties, devices and prospects. Journal of Materials Chemistry C, 2018, 6, 1291-1306.	2.7	124
103	Imaging through Nonlinear Metalens Using Second Harmonic Generation. Advanced Materials, 2018, 30, 1703843.	11.1	91
104	Metasurface holography: from fundamentals to applications. Nanophotonics, 2018, 7, 1169-1190.	2.9	296
105	Amplitude Modulation of Anomalously Refracted Terahertz Waves with Gatedâ€“Graphene Metasurfaces. Advanced Optical Materials, 2018, 6, 1700507.	3.6	100
106	Broadband single molecule SERS detection designed by warped optical spaces. Nature Communications, 2018, 9, 5428.	5.8	148
107	A reprogrammable multifunctional chalcogenide guided-wave lens. Nanoscale, 2018, 10, 17053-17059.	2.8	4
108	Circular-Polarization-Selective Transmission Induced by Spin-Orbit Coupling in a Helical Tape Waveguide. Physical Review Applied, 2018, 9, .	1.5	13

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109	Special Issue on "Ultra-capacity Metasurfaces with Low Dimension and High Efficiency". ACS Photonics, 2018, 5, 1640-1642.	3.2	10
110	Dynamic Janus Metasurfaces in the Visible Spectral Region. Nano Letters, 2018, 18, 4584-4589.	4.5	104
111	Wave dynamics on toroidal surface. Optics Express, 2018, 26, 17820.	1.7	7
112	Tailoring MoS ₂ Valley Polarized Photoluminescence with Super Chiral Near-Field. Advanced Materials, 2018, 30, e1801908.	11.1	99
113	High-Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. Advanced Theory and Simulations, 2018, 1, 1800070.	1.3	28
114	Resonant Transmission through Topological Metamaterial Grating. Annalen Der Physik, 2018, 530, 1800118.	0.9	5
115	Addressable metasurfaces for dynamic holography and optical information encryption. Science Advances, 2018, 4, eaar6768.	4.7	328
116	Controlling the phase of optical nonlinearity with plasmonic metasurfaces. Nanophotonics, 2018, 7, 1013-1024.	2.9	30
117	Stretchable Photonic "Fermi Arcs" in Twisted Magnetized Plasma. Laser and Photonics Reviews, 2018, 12, 1700226.	4.4	18
118	Vortex radiation from a single emitter. , 2018, , .		4
119	Superconductive PT-symmetry phase transition in metasurfaces. Applied Physics Letters, 2017, 110, .	1.5	19
120	A Reconfigurable Active Huygens' Metalens. Advanced Materials, 2017, 29, 1606422.	11.1	470
121	Multichannel Polarization-Controllable Superpositions of Orbital Angular Momentum States. Advanced Materials, 2017, 29, 1603838.	11.1	213
122	Ultrathin Nonlinear Metasurface for Optical Image Encoding. Nano Letters, 2017, 17, 3171-3175.	4.5	153
123	Nonlinear photonic metasurfaces. Nature Reviews Materials, 2017, 2, .	23.3	556
124	Controlling the plasmonic orbital angular momentum by combining the geometric and dynamic phases. Nanoscale, 2017, 9, 4944-4949.	2.8	62
125	Polarization-controlled surface plasmon holography. Laser and Photonics Reviews, 2017, 11, 1600212.	4.4	55
126	Volumetric Generation of Optical Vortices with Metasurfaces. ACS Photonics, 2017, 4, 338-346.	3.2	108

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127	Surface Plasmon Polariton Mediated Multiple Toroidal Resonances in 3D Folding Metamaterials. ACS Photonics, 2017, 4, 2650-2658.	3.2	35
128	Electrical access to critical coupling of circularly polarized waves in graphene chiral metamaterials. Science Advances, 2017, 3, e1701377.	4.7	113
129	Disorder-Induced Topological State Transition in Photonic Metamaterials. Physical Review Letters, 2017, 119, 183901.	2.9	64
130	Single-pixel computational ghost imaging with helicity-dependent metasurface hologram. Science Advances, 2017, 3, e1701477.	4.7	112
131	Dielectric Meta-Holograms Enabled with Dual Magnetic Resonances in Visible Light. ACS Nano, 2017, 11, 9382-9389.	7.3	157
132	Optical and acoustic metamaterials: superlens, negative refractive index and invisibility cloak. Journal of Optics (United Kingdom), 2017, 19, 084007.	1.0	94
133	Electromagnetic reprogrammable coding-metasurface holograms. Nature Communications, 2017, 8, 197.	5.8	747
134	Direct observation of topological surface-state arcs in photonic metamaterials. Nature Communications, 2017, 8, 97.	5.8	110
135	Nonlinear Metasurface for Simultaneous Control of Spin and Orbital Angular Momentum in Second Harmonic Generation. Nano Letters, 2017, 17, 7974-7979.	4.5	112
136	Three Dimensional Photonic Dirac Points in Metamaterials. Physical Review Letters, 2017, 119, 213901.	2.9	76
137	Large Chiroptical Effects in Planar Chiral Metamaterials. Physical Review Applied, 2017, 7, .	1.5	63
138	Spin-dependent optics with metasurfaces. Nanophotonics, 2017, 6, 215-234.	2.9	99
139	Optical image encryption with an ultrathin nonlinear metasurface. , 2017, , .		0
140	Manipulation of vector beam polarization with geometric metasurfaces. Optics Express, 2017, 25, 14300.	1.7	34
141	Rotational Doppler shift induced by spin-orbit coupling of light at spinning metasurfaces. Optica, 2017, 4, 1000.	4.8	43
142	Dual field-of-view step-zoom metalens. Optics Letters, 2017, 42, 1261.	1.7	48
143	Computational ghost imaging of hot objects in long-wave infrared range. Applied Physics Letters, 2017, 111, .	1.5	25
144	Nonlinear Photonic Metamaterials and Geometric Berry Phase. , 2017, , .		0

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145	Ultrathin Metalens and Three-Dimensional Optical Holography Using Metasurfaces. , 2017, , 91-126.		0
146	Wide-angled off-axis achromatic metasurfaces for visible light. Optics Express, 2016, 24, 23118.	1.7	48
147	Phenomenological modeling of nonlinear holograms based on metallic geometric metasurfaces. Optics Express, 2016, 24, 25805.	1.7	5
148	Geometric metasurface fork gratings for vortexâ€œbeam generation and manipulation. Laser and Photonics Reviews, 2016, 10, 322-326.	4.4	100
149	Visibleâ€œFrequency Metasurface for Structuring and Spatially Multiplexing Optical Vortices. Advanced Materials, 2016, 28, 2533-2539.	11.1	387
150	One-way helical electromagnetic wave propagation supported by magnetized plasma. Scientific Reports, 2016, 6, 21461.	1.6	36
151	Phenomenological modeling of geometric metasurfaces. Optics Express, 2016, 24, 7120.	1.7	9
152	Gate-Programmable Electro-Optical Addressing Array of Graphene-Coated Nanowires with Sub-10 nm Resolution. ACS Photonics, 2016, 3, 1847-1853.	3.2	24
153	Nonlinear metasurface for continuous phase control. , 2016, , .		0
154	Pseudospin-induced chirality with staggered optical graphene. Light: Science and Applications, 2016, 5, e16094-e16094.	7.7	23
155	Metasurface Device with Helicityâ€œDependent Functionality. Advanced Optical Materials, 2016, 4, 321-327.	3.6	107
156	Shaping 3D Path of Electromagnetic Waves Using Gradientâ€œRefractiveâ€œIndex Metamaterials. Advanced Science, 2016, 3, 1600022.	5.6	26
157	Asymmetric excitation of surface plasmons by dark mode coupling. Science Advances, 2016, 2, e1501142.	4.7	57
158	Pancharatnamâ€œBerry Phase Induced Spinâ€œSelective Transmission in Herringbone Dielectric Metamaterials. Advanced Materials, 2016, 28, 9567-9572.	11.1	39
159	Spin and wavelength multiplexed nonlinear metasurface holography. Nature Communications, 2016, 7, 11930.	5.8	421
160	Broadband metasurface holograms: toward complete phase and amplitude engineering. Scientific Reports, 2016, 6, 32867.	1.6	160
161	Photonic Weyl degeneracies in magnetized plasma. Nature Communications, 2016, 7, 12435.	5.8	130
162	Helicityâ€œPreserving Omnidirectional Plasmonic Mirror. Advanced Optical Materials, 2016, 4, 654-658.	3.6	28

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163	Giant Nonlinear Optical Activity of Achiral Origin in Planar Metasurfaces with Quadratic and Cubic Nonlinearities. <i>Advanced Materials</i> , 2016, 28, 2992-2999.	11.1	90
164	A facile grating approach towards broadband, wide-angle and high-efficiency holographic metasurfaces. <i>Nanoscale</i> , 2016, 8, 1588-1594.	2.8	76
165	Rotational Doppler effect in nonlinear optics. <i>Nature Physics</i> , 2016, 12, 736-740.	6.5	95
166	Hybrid bilayer plasmonic metasurface efficiently manipulates visible light. <i>Science Advances</i> , 2016, 2, e1501168.	4.7	278
167	Amplitude- and Phase-Controlled Surface Plasmon Polariton Excitation with Metasurfaces. <i>ACS Photonics</i> , 2016, 3, 124-129.	3.2	45
168	Elastic spin-Hall effect in mechanical graphene. <i>New Journal of Physics</i> , 2016, 18, 113014.	1.2	7
169	Spin-Orbit Interaction of Light in Nonlinear Optics. , 2016, , .		0
170	Tunable Phase Regimes of Electromagnetically-Induced-Transparency with Graphene in Terahertz Metamaterials. , 2016, , .		0
171	Longitudinal Multifoci Metalens for Circularly Polarized Light. <i>Advanced Optical Materials</i> , 2015, 3, 1201-1206.	3.6	203
172	Broadband spin-controlled focusing via logarithmic spiral nanoslits of varying width. <i>Laser and Photonics Reviews</i> , 2015, 9, 674-681.	4.4	17
173	Giant Kerr nonlinearity and low-power gigahertz solitons via plasmon-induced transparency. <i>Scientific Reports</i> , 2015, 5, 13780.	1.6	23
174	Anomalous Surface Wave Launching by Handedness Phase Control. <i>Advanced Materials</i> , 2015, 27, 7123-7129.	11.1	54
175	Dynamic mode coupling in terahertz metamaterials. <i>Scientific Reports</i> , 2015, 5, 10823.	1.6	41
176	Engineering the meta-resonances toward functional terahertz devices. , 2015, , .		0
177	A Broadband Metasurface-Based Terahertz Flat-Lens Array. <i>Advanced Optical Materials</i> , 2015, 3, 779-785.	3.6	175
178	Topological Photonic Phase in Chiral Hyperbolic Metamaterials. <i>Physical Review Letters</i> , 2015, 114, 037402.	2.9	251
179	Metasurface holograms reaching 80% efficiency. <i>Nature Nanotechnology</i> , 2015, 10, 308-312.	15.6	2,086
180	Line Degeneracy and Strong Spin-Orbit Coupling of Light with Bulk Bianisotropic Metamaterials. <i>Physical Review Letters</i> , 2015, 115, 067402.	2.9	40

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181	Dynamically configurable hybridization of plasmon modes in nanoring dimer arrays. <i>Nanoscale</i> , 2015, 7, 12018-12022.	2.8	32
182	Dual control of active graphene-silicon hybrid metamaterial devices. <i>Carbon</i> , 2015, 90, 146-153.	5.4	85
183	Continuous control of the nonlinearity phase for harmonic generations. <i>Nature Materials</i> , 2015, 14, 607-612.	13.3	376
184	Chiral surface waves supported by biaxial hyperbolic metamaterials. <i>Light: Science and Applications</i> , 2015, 4, e328-e328.	7.7	25
185	Coriolis force induced topological order for classical mechanical vibrations. <i>New Journal of Physics</i> , 2015, 17, 073031.	1.2	111
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