# Shuang Zhang

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Vortex radiation from a single emitter in a chiral plasmonic nanocavity. *Nanophotonics*, **2022**, | 6.3 | 1 |
| 239 | All-optical modulation of quantum states by nonlinear metasurface.. *Light: Science and Applications*, **2022**, 11, 58 | 16.7 | 2 |
| 238 | Observation of Weyl exceptional rings in thermal diffusion.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2110018119 | 11.5 | 1 |
| 237 | Multiplexed Generation of Generalized Vortex Beams with On-Demand Intensity Profiles Based on Metasurfaces. *Laser and Photonics Reviews*, **2022**, 16, 2100451 | 8.3 | 7 |
| 236 | From Lingering to Rift: Metasurface Decoupling for Near- and Far-Field Functionalization. *Advanced Materials*, **2021**, 33, e2007507 | 24 | 33 |
| 235 | Momentum space toroidal moment in a photonic metamaterial. *Nature Communications*, **2021**, 12, 1784 | 17.4 | 6 |
| 234 | Non-Hermitian Skin Effect in a Non-Hermitian Electrical Circuit. *Research*, **2021**, 2021, 5608038 | 7.8 | 6 |
| 233 | Intrinsic in-plane nodal chain and generalized quaternion charge protected nodal link in photonics. *Light: Science and Applications*, **2021**, 10, 83 | 16.7 | 4 |
| 232 | Disorder-Induced Material-Insensitive Optical Response in Plasmonic Nanostructures: Vibrant Structural Colors from Noble Metals. *Advanced Materials*, **2021**, 33, e2007623 | 24 | 9 |
| 231 | Metasurface-based key for computational imaging encryption. *Science Advances*, **2021**, 7, | 14.3 | 58 |
| 230 | Nonlinear Imaging of Nanoscale Topological Corner States. *Nano Letters*, **2021**, 21, 4592-4597 | 11.5 | 22 |
| 229 | Code Division Multiplexing Inspired Dynamic Metasurface Holography. *Advanced Functional Materials*, **2021**, 31, 2103326 | 15.6 | 7 |
| 228 | Experimental observation of non-Abelian topological charges and edge states. *Nature*, **2021**, 594, 195-200 | 50.4 | 9 |
| 227 | Optically Reconfigurable Spin-Valley Hall Effect of Light in Coupled Nonlinear Ring Resonator Lattice. *Physical Review Letters*, **2021**, 127, 043904 | 7.4 | 2 |
| 226 | Linked Weyl surfaces and Weyl arcs in photonic metamaterials. *Science*, **2021**, 373, 572-576 | 33.3 | 3 |
| 225 | Anisotropic Metasurface Holography in 3-D Space With High Resolution and Efficiency. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 302-316 | 4.9 | 15 |
| 224 | Active tuning of electromagnetically induced transparency from chalcogenide-only metasurface. *Light Advanced Manufacturing*, **2021**, 2, 1-11 | 1 | 3 |

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| 223 | Veselago lensing with Weyl metamaterials. *Optica*, **2021**, 8, 249 | 8.6 | 5 |
| 222 | Metalens for Generating a Customized Vectorial Focal Curve. *Nano Letters*, **2021**, 21, 2081-2087 | 11.5 | 14 |
| 221 | Copropagating Photonic Fermi Arc Channels for Multiplexing and Dynamically Routing Topological Surface Waves. *Laser and Photonics Reviews*, **2021**, 15, 2000360 | 8.3 | 0 |
| 220 | Broadband meta-converters for multiple Laguerre-Gaussian modes. *Photonics Research*, **2021**, 9, 1689 | 6 | 5 |
| 219 | A Nonlocal Effective Medium Description of Topological Weyl Metamaterials. *Laser and Photonics Reviews*, **2021**, 15, 2100129 | 8.3 | 1 |
| 218 | Steering Nonlinear Twisted Valley Photons of Monolayer WS by Vector Beams. *Nano Letters*, **2021**, 21, 7261-7269 | 11.5 | 1 |
| 217 | Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. *Nano Letters*, **2021**, 21, 7699-7707 | 11.5 | 9 |
| 216 | Adaptable Invisibility Management Using Kirigami-Inspired Transformable Metamaterials. *Research*, **2021**, 2021, 9806789 | 7.8 | 7 |
| 215 | Single-step-fabricated disordered metasurfaces for enhanced light extraction from LEDs. *Light: Science and Applications*, **2021**, 10, 180 | 16.7 | 8 |
| 214 | High-Order Nonlinear Spin-Orbit Interaction on Plasmonic Metasurfaces. *Nano Letters*, **2020**, 20, 8549-8555 | 11.5 | 9 |
| 213 | Malus-metasurface-assisted polarization multiplexing. *Light: Science and Applications*, **2020**, 9, 101 | 16.7 | 86 |
| 212 | Polarization-Controlled Plasmonic Structured Illumination. *Nano Letters*, **2020**, 20, 2602-2608 | 11.5 | 17 |
| 211 | Photonic topological fermi nodal disk in non-Hermitian magnetic plasma. *Light: Science and Applications*, **2020**, 9, 40 | 16.7 | 5 |
| 210 | Revealing the missing dimension at an exceptional point. *Nature Physics*, **2020**, 16, 571-578 | 16.2 | 39 |
| 209 | Manipulating disordered plasmonic systems by external cavity with transition from broadband absorption to reconfigurable reflection. *Nature Communications*, **2020**, 11, 1538 | 17.4 | 27 |
| 208 | Circular Dichroism: Intrinsic Chirality and Multispectral Spin-Selective Transmission in Folded Eta-Shaped Metamaterials (Advanced Optical Materials 4/2020). *Advanced Optical Materials*, **2020**, 8, 2070014 | 8.1 | 0 |
| 207 | Dual-band dichroic asymmetric transmission of linearly polarized waves in terahertz chiral metamaterial. *Nanophotonics*, **2020**, 9, 3235-3242 | 6.3 | 19 |
| 206 | Observation of an exceptional point in a non-Hermitian metasurface. *Nanophotonics*, **2020**, 9, 1031-1039 | 6.3 | 13 |

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| 205 | Gain- and Loss-Induced Topological Insulating Phase in a Non-Hermitian Electrical Circuit. *Physical Review Applied*, **2020**, 13, | 4.3 | 24 |
| 204 | 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 |
| 203 | Reversible switching of electromagnetically induced transparency in phase change metasurfaces. *Advanced Photonics*, **2020**, 2, | 8.1 | 11 |
| 202 | Dual-channel sensing by combining geometric and dynamic phases with an ultrathin metasurface. *Optics Express*, **2020**, 28, 28612-28619 | 3.3 | |
| 201 | Chirality Enhancement Using Fabry-P□ot-Like Cavity. *Research*, **2020**, 2020, 7873581 | 7.8 | 7 |
| 200 | Chaotic photon spheres in non-Euclidean billiard. *Nanophotonics*, **2020**, 9, 3367-3372 | 6.3 | 3 |
| 199 | Broadband SERS detection with disordered plasmonic hybrid aggregates. *Nanoscale*, **2020**, 12, 93-102 | 7.7 | 20 |
| 198 | Intrinsic Chirality and Multispectral Spin-Selective Transmission in Folded Eta-Shaped Metamaterials. *Advanced Optical Materials*, **2020**, 8, 1901448 | 8.1 | 17 |
| 197 | Extrinsically 2D-Chiral Metamirror in Near-Infrared Region. *ACS Photonics*, **2020**, 7, 375-383 | 6.3 | 22 |
| 196 | Continuous topological transition from metal to dielectric. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 16739-16742 | 11.5 | 2 |
| 195 | Observation of Non-Abelian Nodal Links in Photonics. *Physical Review Letters*, **2020**, 125, 033901 | 7.4 | 17 |
| 194 | Electrically-controlled digital metasurface device for light projection displays. *Nature Communications*, **2020**, 11, 3574 | 17.4 | 40 |
| 193 | Moir□ Fringe Induced Gauge Field in Photonics. *Physical Review Letters*, **2020**, 125, 203901 | 7.4 | 6 |
| 192 | A dielectric metasurface optical chip for the generation of cold atoms. *Science Advances*, **2020**, 6, eabb6667 | 14.3 | 24 |
| 191 | Octupole corner state in a three-dimensional topological circuit. *Light: Science and Applications*, **2020**, 9, 145 | 16.7 | 14 |
| 190 | A Reusable Metasurface Template. *Nano Letters*, **2020**, 20, 6845-6851 | 11.5 | 7 |
| 189 | Vortical Reflection and Spiraling Fermi Arcs with Weyl Metamaterials. *Physical Review Letters*, **2020**, 125, 093904 | 7.4 | 9 |
| 188 | A Single-Celled Tri-Functional Metasurface Enabled with Triple Manipulations of Light. *Advanced Functional Materials*, **2020**, 30, 2003990 | 15.6 | 43 |

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| 187 | Leaky-Wave Antenna With Switchable Omnidirectional Conical Radiation via Polarization Handedness. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1282-1288 | 4.9 | 5 |
| 186 | Positive and Negative Ghost Imaging. *Physical Review Applied*, **2019**, 12, | 4.3 | 11 |
| 185 | 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 |
| 184 | Observation of Three-Dimensional Photonic Dirac Points and Spin-Polarized Surface Arcs. *Physical Review Letters*, **2019**, 122, 203903 | 7.4 | 31 |
| 183 | Photonic Hall effect and helical in a synthetic Weyl system. *Light: Science and Applications*, **2019**, 8, 49 | 16.7 | 12 |
| 182 | Generation of Switchable Singular Beams with Dynamic Metasurfaces. *ACS Nano*, **2019**, 13, 7100-7106 | 16.7 | 36 |
| 181 | Simultaneous TE and TM designer surface plasmon supported by bianisotropic metamaterials with positive permittivity and permeability. *Nanophotonics*, **2019**, 8, 1357-1362 | 6.3 | 5 |
| 180 | Plasmonic field guided patterning of ordered colloidal nanostructures. *Nanophotonics*, **2019**, 8, 505-512 | 6.3 | 3 |
| 179 | Observation of Hourglass Nodal Lines in Photonics. *Physical Review Letters*, **2019**, 122, 103903 | 7.4 | 20 |
| 178 | Coherent steering of nonlinear chiral valley photons with a synthetic Au–WS2 metasurface. *Nature Photonics*, **2019**, 13, 467-472 | 33.9 | 135 |
| 177 | Photonic Weyl points due to broken time-reversal symmetry in magnetized semiconductor. *Nature Physics*, **2019**, 15, 1150-1155 | 16.2 | 40 |
| 176 | Strong Nonlinear Optical Activity Induced by Lattice Surface Modes on Plasmonic Metasurface. *Nano Letters*, **2019**, 19, 6278-6283 | 11.5 | 27 |
| 175 | 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 |
| 174 | Bio-inspired plasmonic leaf for enhanced light-matter interactions. *Nanophotonics*, **2019**, 8, 1291-1298 | 6.3 | 3 |
| 173 | Coupling-Mediated Selective Spin-to-Plasmonic-Orbital Angular Momentum Conversion. *Advanced Optical Materials*, **2019**, 7, 1900713 | 8.1 | 6 |
| 172 | Extremely Broadband Topological Surface States in a Photonic Topological Metamaterial. *Advanced Optical Materials*, **2019**, 7, 1900900 | 8.1 | 16 |
| 171 | Spatial Frequency Multiplexed Meta-Holography and Meta-Nanoprinting. *ACS Nano*, **2019**, 13, 9237-9246 | 16.7 | 60 |
| 170 | Disorder-Immune Photonics Based on Mie-Resonant Dielectric Metamaterials. *Physical Review Letters*, **2019**, 123, 163901 | 7.4 | 13 |

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| 169 | Enhanced Dynamic Casimir Effect in Temporally and Spatially Modulated Josephson Transmission Line. *Laser and Photonics Reviews*, **2019**, 13, 1900164 | 8.3 | 3 |
| 168 | Dielectric multi-momentum meta-transformer in the visible. *Nature Communications*, **2019**, 10, 4789 | 17.4 | 50 |
| 167 | Topologically Protected Edge State in Two-Dimensional Su-Schrieffer-Heeger Circuit. *Research*, **2019**, 2019, 1-8 | 7.8 | 5 |
| 166 | Direct polarization measurement using a multiplexed Pancharatnam-Berry metahologram. *Optica*, **2019**, 6, 1190 | 8.6 | 50 |
| 165 | Topologically Protected Edge State in Two-Dimensional Su-Schrieffer-Heeger Circuit. *Research*, **2019**, 2019, 8609875 | 7.8 | 31 |
| 164 | Optical manipulation of Rayleigh particles by metalenses-a numerical study. *Applied Optics*, **2019**, 58, 5794-5799 | 1.7 | 1 |
| 163 | Transverse photon spin of bulk electromagnetic waves in bianisotropic media. *Nature Photonics*, **2019**, 13, 878-882 | 33.9 | 21 |
| 162 | Observation of chiral zero mode in inhomogeneous three-dimensional Weyl metamaterials. *Science*, **2019**, 363, 148-151 | 33.3 | 71 |
| 161 | Spin-Selective Transmission in Chiral Folded Metasurfaces. *Nano Letters*, **2019**, 19, 3432-3439 | 11.5 | 50 |
| 160 | Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. *ACS Photonics*, **2019**, 6, 211-220 | 6.3 | 81 |
| 159 | Pseudospin-Mediated Optical Spin-Spin Interaction in Nonlinear Photonic Graphene. *Laser and Photonics Reviews*, **2019**, 13, 1800242 | 8.3 | 6 |
| 158 | Experimental observation of photonic nodal line degeneracies in metacrystals. *Nature Communications*, **2018**, 9, 950 | 17.4 | 42 |
| 157 | Electrically Tunable Slow Light Using Graphene Metamaterials. *ACS Photonics*, **2018**, 5, 1800-1807 | 6.3 | 128 |
| 156 | Spin and Geometric Phase Control Four-Wave Mixing from Metasurfaces. *Laser and Photonics Reviews*, **2018**, 12, 1800034 | 8.3 | 24 |
| 155 | Metasurface Enabled Wide-Angle Fourier Lens. *Advanced Materials*, **2018**, 30, e1706368 | 24 | 81 |
| 154 | Polarization Encoded Color Image Embedded in a Dielectric Metasurface. *Advanced Materials*, **2018**, 30, e1707499 | 24 | 137 |
| 153 | High-resolution grayscale image hidden in a laser beam. *Light: Science and Applications*, **2018**, 7, 17129 | 16.7 | 96 |
| 152 | Third Harmonic Generation Enhanced by Multipolar Interference in Complementary Silicon Metasurfaces. *ACS Photonics*, **2018**, 5, 1671-1675 | 6.3 | 35 |

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| 151 | Spin-Controlled Integrated Near- and Far-Field Optical Launcher. *Advanced Functional Materials*, **2018**, 28, 1705503 | 15.6 | 30 |
| 150 | Ideal Weyl points and helicoid surface states in artificial photonic crystal structures. *Science*, **2018**, 359, 1013-1016 | 33.3 | 156 |
| 149 | THz photonics in two dimensional materials and metamaterials: properties, devices and prospects. *Journal of Materials Chemistry C*, **2018**, 6, 1291-1306 | 7.1 | 81 |
| 148 | Imaging through Nonlinear Metalens Using Second Harmonic Generation. *Advanced Materials*, **2018**, 30, 1703843 | 24 | 62 |
| 147 | Metasurface holography: from fundamentals to applications. *Nanophotonics*, **2018**, 7, 1169-1190 | 6.3 | 158 |
| 146 | Dynamic Janus Metasurfaces in the Visible Spectral Region. *Nano Letters*, **2018**, 18, 4584-4589 | 11.5 | 83 |
| 145 | Wave dynamics on toroidal surface. *Optics Express*, **2018**, 26, 17820-17829 | 3.3 | 4 |
| 144 | Tailoring MoS Valley-Polarized Photoluminescence with Super Chiral Near-Field. *Advanced Materials*, **2018**, 30, e1801908 | 24 | 66 |
| 143 | High-Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. *Advanced Theory and Simulations*, **2018**, 1, 1800070 | 3.5 | 14 |
| 142 | Resonant Transmission through Topological Metamaterial Grating. *Annalen Der Physik*, **2018**, 530, 1800128 | 1.8 | 2 |
| 141 | Addressable metasurfaces for dynamic holography and optical information encryption. *Science Advances*, **2018**, 4, eaar6768 | 14.3 | 203 |
| 140 | Controlling the phase of optical nonlinearity with plasmonic metasurfaces. *Nanophotonics*, **2018**, 7, 1013-1024 | 6.3 | 21 |
| 139 | Vortex radiation from a single emitter **2018**, | | 4 |
| 138 | Amplitude Modulation of Anomalously Refracted Terahertz Waves with Gated-Graphene Metasurfaces. *Advanced Optical Materials*, **2018**, 6, 1700507 | 8.1 | 75 |
| 137 | Broadband single molecule SERS detection designed by warped optical spaces. *Nature Communications*, **2018**, 9, 5428 | 17.4 | 90 |
| 136 | A reprogrammable multifunctional chalcogenide guided-wave lens. *Nanoscale*, **2018**, 10, 17053-17059 | 7.7 | 3 |
| 135 | Circular-Polarization-Selective Transmission Induced by Spin-Orbit Coupling in a Helical Tape Waveguide. *Physical Review Applied*, **2018**, 9, | 4.3 | 8 |
| 134 | Stretchable Photonic Fermi Arcs In Twisted Magnetized Plasma. *Laser and Photonics Reviews*, **2018**, 12, 1700226 | 8.3 | 11 |

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| 133 | Superconductive PT-symmetry phase transition in metasurfaces. *Applied Physics Letters*, **2017**, 110, 021104 | 3.4 | 9 |
| 132 | A Reconfigurable Active Huygens' Metalens. *Advanced Materials*, **2017**, 29, 1606422 | 24 | 301 |
| 131 | Multichannel Polarization-Controllable Superpositions of Orbital Angular Momentum States. *Advanced Materials*, **2017**, 29, 1603838 | 24 | 155 |
| 130 | Ultrathin Nonlinear Metasurface for Optical Image Encoding. *Nano Letters*, **2017**, 17, 3171-3175 | 11.5 | 107 |
| 129 | Nonlinear photonic metasurfaces. *Nature Reviews Materials*, **2017**, 2, | 73.3 | 346 |
| 128 | Controlling the plasmonic orbital angular momentum by combining the geometric and dynamic phases. *Nanoscale*, **2017**, 9, 4944-4949 | 7.7 | 42 |
| 127 | Polarization-controlled surface plasmon holography. *Laser and Photonics Reviews*, **2017**, 11, 1600212 | 8.3 | 36 |
| 126 | Volumetric Generation of Optical Vortices with Metasurfaces. *ACS Photonics*, **2017**, 4, 338-346 | 6.3 | 77 |
| 125 | Surface Plasmon Polariton Mediated Multiple Toroidal Resonances in 3D Folding Metamaterials. *ACS Photonics*, **2017**, 4, 2650-2658 | 6.3 | 28 |
| 124 | Electrical access to critical coupling of circularly polarized waves in graphene chiral metamaterials. *Science Advances*, **2017**, 3, e1701377 | 14.3 | 80 |
| 123 | Disorder-Induced Topological State Transition in Photonic Metamaterials. *Physical Review Letters*, **2017**, 119, 183901 | 7.4 | 36 |
| 122 | Single-pixel computational ghost imaging with helicity-dependent metasurface hologram. *Science Advances*, **2017**, 3, e1701477 | 14.3 | 77 |
| 121 | Dielectric Meta-Holograms Enabled with Dual Magnetic Resonances in Visible Light. *ACS Nano*, **2017**, 11, 9382-9389 | 16.7 | 122 |
| 120 | Optical and acoustic metamaterials: superlens, negative refractive index and invisibility cloak. *Journal of Optics (United Kingdom)*, **2017**, 19, 084007 | 1.7 | 60 |
| 119 | Electromagnetic reprogrammable coding-metasurface holograms. *Nature Communications*, **2017**, 8, 197 | 17.4 | 480 |
| 118 | Direct observation of topological surface-state arcs in photonic metamaterials. *Nature Communications*, **2017**, 8, 97 | 17.4 | 76 |
| 117 | Nonlinear Metasurface for Simultaneous Control of Spin and Orbital Angular Momentum in Second Harmonic Generation. *Nano Letters*, **2017**, 17, 7974-7979 | 11.5 | 82 |
| 116 | Three Dimensional Photonic Dirac Points in Metamaterials. *Physical Review Letters*, **2017**, 119, 213901 | 7.4 | 47 |

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| 115 | Large Chiroptical Effects in Planar Chiral Metamaterials. *Physical Review Applied*, **2017**, 7, | 4.3 | 40 |
| 114 | Spin-dependent optics with metasurfaces. *Nanophotonics*, **2017**, 6, 215-234 | 6.3 | 63 |
| 113 | Manipulation of vector beam polarization with geometric metasurfaces. *Optics Express*, **2017**, 25, 14300-14307 | 3.3 | 26 |
| 112 | Rotational Doppler shift induced by spin-orbit coupling of light at spinning metasurfaces. *Optica*, **2017**, 4, 1000 | 8.6 | 31 |
| 111 | Dual field-of-view step-zoom metalens. *Optics Letters*, **2017**, 42, 1261-1264 | 3 | 36 |
| 110 | Computational ghost imaging of hot objects in long-wave infrared range. *Applied Physics Letters*, **2017**, 111, 031110 | 3.4 | 20 |
| 109 | Ultrathin Metalens and Three-Dimensional Optical Holography Using Metasurfaces **2017**, 91-126 | | |
| 108 | Asymmetric excitation of surface plasmons by dark mode coupling. *Science Advances*, **2016**, 2, e1501142 | 14.3 | 39 |
| 107 | Pancharatnam-Berry Phase Induced Spin-Selective Transmission in Herringbone Dielectric Metamaterials. *Advanced Materials*, **2016**, 28, 9567-9572 | 24 | 30 |
| 106 | Spin and wavelength multiplexed nonlinear metasurface holography. *Nature Communications*, **2016**, 7, 11930 | 17.4 | 290 |
| 105 | Broadband metasurface holograms: toward complete phase and amplitude engineering. *Scientific Reports*, **2016**, 6, 32867 | 4.9 | 103 |
| 104 | Photonic Weyl degeneracies in magnetized plasma. *Nature Communications*, **2016**, 7, 12435 | 17.4 | 84 |
| 103 | Helicity-Preserving Omnidirectional Plasmonic Mirror. *Advanced Optical Materials*, **2016**, 4, 654-658 | 8.1 | 23 |
| 102 | Giant Nonlinear Optical Activity of Achiral Origin in Planar Metasurfaces with Quadratic and Cubic Nonlinearities. *Advanced Materials*, **2016**, 28, 2992-9 | 24 | 62 |
| 101 | A facile grating approach towards broadband, wide-angle and high-efficiency holographic metasurfaces. *Nanoscale*, **2016**, 8, 1588-94 | 7.7 | 65 |
| 100 | Rotational Doppler effect in nonlinear optics. *Nature Physics*, **2016**, 12, 736-740 | 16.2 | 60 |
| 99 | Hybrid bilayer plasmonic metasurface efficiently manipulates visible light. *Science Advances*, **2016**, 2, e1501168 | 14.3 | 218 |
| 98 | Amplitude- and Phase-Controlled Surface Plasmon Polariton Excitation with Metasurfaces. *ACS Photonics*, **2016**, 3, 124-129 | 6.3 | 39 |

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|---|---|---|---|
| 97 | Elastic spin-Hall effect in mechanical graphene. *New Journal of Physics*, **2016**, 18, 113014 | 2.9 | 4 |
| 96 | Wide-angled off-axis achromatic metasurfaces for visible light. *Optics Express*, **2016**, 24, 23118-23128 | 3.3 | 46 |
| 95 | Phenomenological modeling of nonlinear holograms based on metallic geometric metasurfaces. *Optics Express*, **2016**, 24, 25805-25815 | 3.3 | 4 |
| 94 | Geometric metasurface fork gratings for vortex-beam generation and manipulation. *Laser and Photonics Reviews*, **2016**, 10, 322-326 | 8.3 | 61 |
| 93 | Visible-Frequency Metasurface for Structuring and Spatially Multiplexing Optical Vortices. *Advanced Materials*, **2016**, 28, 2533-9 | 24 | 289 |
| 92 | One-way helical electromagnetic wave propagation supported by magnetized plasma. *Scientific Reports*, **2016**, 6, 21461 | 4.9 | 26 |
| 91 | Phenomenological modeling of geometric metasurfaces. *Optics Express*, **2016**, 24, 7120-32 | 3.3 | 9 |
| 90 | Gate-Programmable Electro-Optical Addressing Array of Graphene-Coated Nanowires with Sub-10 nm Resolution. *ACS Photonics*, **2016**, 3, 1847-1853 | 6.3 | 19 |
| 89 | Pseudospin-induced chirality with staggered optical graphene. *Light: Science and Applications*, **2016**, 5, e16094 | 16.7 | 15 |
| 88 | Metasurface Device with Helicity-Dependent Functionality. *Advanced Optical Materials*, **2016**, 4, 321-327 | 8.1 | 87 |
| 87 | Shaping 3D Path of Electromagnetic Waves Using Gradient-Refractive-Index Metamaterials. *Advanced Science*, **2016**, 3, 1600022 | 13.6 | 17 |
| 86 | Topological photonic phase in chiral hyperbolic metamaterials. *Physical Review Letters*, **2015**, 114, 037402 | 7.4 | 193 |
| 85 | Metasurface holograms reaching 80% efficiency. *Nature Nanotechnology*, **2015**, 10, 308-12 | 28.7 | 1519 |
| 84 | Line Degeneracy and Strong Spin-Orbit Coupling of Light with Bulk Bianisotropic Metamaterials. *Physical Review Letters*, **2015**, 115, 067402 | 7.4 | 30 |
| 83 | Dynamically configurable hybridization of plasmon modes in nanoring dimer arrays. *Nanoscale*, **2015**, 7, 12018-22 | 7.7 | 26 |
| 82 | Dual control of active graphene–silicon hybrid metamaterial devices. *Carbon*, **2015**, 90, 146-153 | 10.4 | 63 |
| 81 | Continuous control of the nonlinearity phase for harmonic generations. *Nature Materials*, **2015**, 14, 607-12 | 27 | 278 |
| 80 | Chiral surface waves supported by biaxial hyperbolic metamaterials. *Light: Science and Applications*, **2015**, 4, e328-e328 | 16.7 | 20 |

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|---|---|---|---|
| 79 | Coriolis force induced topological order for classical mechanical vibrations. *New Journal of Physics*, **2015**, 17, 073031 | 2.9 | 76 |
| 78 | Helicity multiplexed broadband metasurface holograms. *Nature Communications*, **2015**, 6, 8241 | 17.4 | 567 |
| 77 | Longitudinal Multifoci Metalens for Circularly Polarized Light. *Advanced Optical Materials*, **2015**, 3, 1201-1206 | 8.1 | 140 |
| 76 | Broadband spin-controlled focusing via logarithmic-spiral nanoslits of varying width. *Laser and Photonics Reviews*, **2015**, 9, 674-681 | 8.3 | 15 |
| 75 | Giant Kerr nonlinearity and low-power gigahertz solitons via plasmon-induced transparency. *Scientific Reports*, **2015**, 5, 13780 | 4.9 | 18 |
| 74 | Anomalous Surface Wave Launching by Handedness Phase Control. *Advanced Materials*, **2015**, 27, 7123-9 | 24 | 38 |
| 73 | Dynamic mode coupling in terahertz metamaterials. *Scientific Reports*, **2015**, 5, 10823 | 4.9 | 31 |
| 72 | A Broadband Metasurface-Based Terahertz Flat-Lens Array. *Advanced Optical Materials*, **2015**, 3, 779-785 | 8.1 | 127 |
| 71 | Broadband metasurfaces with simultaneous control of phase and amplitude. *Advanced Materials*, **2014**, 26, 5031-6 | 24 | 422 |
| 70 | 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 |
| 69 | Manifestation of PT symmetry breaking in polarization space with terahertz metasurfaces. *Physical Review Letters*, **2014**, 113, 093901 | 7.4 | 125 |
| 68 | Three-dimensional visible-light capsule enclosing perfect supersized darkness via antiresolution. *Laser and Photonics Reviews*, **2014**, 8, 743-749 | 8.3 | 15 |
| 67 | Manipulating DC currents with bilayer bulk natural materials. *Advanced Materials*, **2014**, 26, 3478-83 | 24 | 53 |
| 66 | Ultrathin Metasurface Laser Beam Shaper. *Advanced Optical Materials*, **2014**, 2, 978-982 | 8.1 | 55 |
| 65 | Symmetry-selective third-harmonic generation from plasmonic metacrystals. *Physical Review Letters*, **2014**, 113, 033901 | 7.4 | 90 |
| 64 | Third Harmonic Generation of Optical Vortices Using Holography-Based Gold-Fork Microstructure. *Advanced Optical Materials*, **2014**, 2, 389-393 | 8.1 | 14 |
| 63 | Invisibility Cloak at Optical Frequencies **2014**, 289-314 | | |
| 62 | Creation of Ghost Illusions Using Wave Dynamics in Metamaterials. *Advanced Functional Materials*, **2013**, 23, 4028-4034 | 15.6 | 89 |

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| 61 | 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 |
| 60 | Spin-enabled plasmonic metasurfaces for manipulating orbital angular momentum of light. *Nano Letters*, **2013**, 13, 4148-51 | 11.5 | 207 |
| 59 | Three-dimensional optical holography using a plasmonic metasurface. *Nature Communications*, **2013**, 4, | 17.4 | 844 |
| 58 | 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 |
| 57 | Reversible Three-Dimensional Focusing of Visible Light with Ultrathin Plasmonic Flat Lens. *Advanced Optical Materials*, **2013**, 1, 517-521 | 8.1 | 53 |
| 56 | Broadband terahertz wave deflection based on C-shape complex metamaterials with phase discontinuities. *Advanced Materials*, **2013**, 25, 4567-72 | 24 | 258 |
| 55 | Macroscopic broadband optical escalator with force-loaded transformation optics. *Optics Express*, **2013**, 21, 796-803 | 3.3 | 5 |
| 54 | Broadband all-dielectric magnifying lens for far-field high-resolution imaging. *Advanced Materials*, **2013**, 25, 6963-8 | 24 | 66 |
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