## Huanyang Chen

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Transformation optics and metamaterials. Nature Materials, 2010, 9, 387-396.   | 27.5 | 1,017     |
| 2  | Acoustic cloaking in three dimensions using acoustic metamaterials. Applied Physics Letters, 2007, 91, .   | 3.3  | 773       |
| 3  | Wavefront modulation and subwavelength diffractive acoustics with an acoustic metasurface.<br>Nature Communications, 2014, 5, 5553.                                    | 12.8 | 691       |
| 4  | Illusion Optics: The Optical Transformation of an Object into Another Object. Physical Review Letters, 2009, 102, 253902.  | 7.8  | 565       |
| 5  | Complementary Media Invisibility Cloak that Cloaks Objects at a Distance Outside the Cloaking Shell.<br>Physical Review Letters, 2009, 102, 093901.                    | 7.8  | 504       |
| 6  | Transformation media that rotate electromagnetic fields. Applied Physics Letters, 2007, 90, 241105.  | 3.3  | 493       |
| 7  | Acoustic cloaking and transformation acoustics. Journal Physics D: Applied Physics, 2010, 43, 113001.  | 2.8  | 296       |
| 8  | Design and Experimental Realization of a Broadband Transformation Media Field Rotator at<br>Microwave Frequencies. Physical Review Letters, 2009, 102, 183903.         | 7.8  | 229       |
| 9  | Superscatterer: Enhancement of scattering with complementary media. Optics Express, 2008, 16, 18545.   | 3.4  | 225       |
| 10 | Conformal transformation optics. Nature Photonics, 2015, 9, 15-23.   | 31.4 | 217       |
| 11 | Planar gradient metamaterials. Nature Reviews Materials, 2016, 1, .  | 48.7 | 153       |
| 12 | Accidental degeneracy in photonic bands and topological phase transitions in two-dimensional core-shell dielectric photonic crystals. Optics Express, 2016, 24, 18059. | 3.4  | 142       |
| 13 | Metamaterial frequency-selective superabsorber. Optics Letters, 2009, 34, 644.   | 3.3  | 141       |
| 14 | Reversal of transmission and reflection based on acoustic metagratings with integer parity design.<br>Nature Communications, 2019, 10, 2326.                           | 12.8 | 135       |
| 15 | Total reflection and transmission by epsilon-near-zero metamaterials with defects. Applied Physics<br>Letters, 2011, 98, .   | 3.3  | 134       |
| 16 | Experimental Realization of a Circuit-Based Broadband Illusion-Optics Analogue. Physical Review<br>Letters, 2010, 105, 233906.   | 7.8  | 128       |
| 17 | Extending the bandwidth of electromagnetic cloaks. Physical Review B, 2007, 76, .  | 3.2  | 126       |
| 18 | Realizing almost perfect bending waveguides with anisotropic epsilon-near-zero metamaterials.<br>Applied Physics Letters, 2012, 100, .                                 | 3.3  | 117       |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | The Anti-Cloak. Optics Express, 2008, 16, 14603.  | 3.4  | 109       |
| 20 | Transformation optics that mimics the system outside a Schwarzschild black hole. Optics Express, 2010, 18, 15183.                                 | 3.4  | 105       |
| 21 | Broadband asymmetric waveguiding of light without polarization limitations. Nature<br>Communications, 2013, 4, 2561.                              | 12.8 | 100       |
| 22 | Electromagnetic wave manipulation by layered systems using the transformation media concept.<br>Physical Review B, 2008, 78, .                    | 3.2  | 94        |
| 23 | Universal multimode waveguide crossing based on transformation optics. Optica, 2018, 5, 1549.   | 9.3  | 87        |
| 24 | Arbitrary Control of Electromagnetic Flux in Inhomogeneous Anisotropic Media with Near-Zero<br>Index. Physical Review Letters, 2014, 112, 073903. | 7.8  | 84        |
| 25 | Transformation optics with Fabry-Pérot resonances. Scientific Reports, 2015, 5, 8680.   | 3.3  | 81        |
| 26 | Electromagnetically induced Talbot effect. Applied Physics Letters, 2011, 98, .   | 3.3  | 79        |
| 27 | Goos-Hächen effect in epsilon-near-zero metamaterials. Scientific Reports, 2015, 5, 8681.   | 3.3  | 74        |
| 28 | Self-Focusing and the Talbot Effect in Conformal Transformation Optics. Physical Review Letters, 2017, 119, 033902.                               | 7.8  | 72        |
| 29 | Broadband Waveguide Cloak for Water Waves. Physical Review Letters, 2019, 123, 074501.  | 7.8  | 62        |
| 30 | Zero index metamaterials with PT symmetry in a waveguide system. Optics Express, 2016, 24, 1648.  | 3.4  | 61        |
| 31 | Three-dimensional photonic Dirac points stabilized by point group symmetry. Physical Review B, 2016, 93, .  | 3.2  | 58        |
| 32 | Surface Plasmonic Sensors: Sensing Mechanism and Recent Applications. Sensors, 2021, 21, 5262.  | 3.8  | 54        |
| 33 | Transformation media for linear liquid surface waves. Europhysics Letters, 2009, 85, 24004.   | 2.0  | 53        |
| 34 | A simple design of an artificial electromagnetic black hole. Journal of Applied Physics, 2010, 108, .   | 2.5  | 53        |
| 35 | Unidirectional transmission using array of zero-refractive-index metamaterials. Applied Physics Letters, 2014, 104, 193509.                       | 3.3  | 53        |
| 36 | Conceal an entrance by means of superscatterer. Applied Physics Letters, 2009, 94, .  | 3.3  | 52        |

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|----|---|------|-----------|
| 37 | Acoustic Imaging with Metamaterial Luneburg Lenses. Scientific Reports, 2018, 8, 16188.   | 3.3  | 51        |
| 38 | Concentrators for Water Waves. Physical Review Letters, 2018, 121, 104501.  | 7.8  | 50        |
| 39 | Manipulate the Transmissions Using Index-Near-Zero or Epsilon-Near-Zero Metamaterials with Coated Defects. Plasmonics, 2012, 7, 353-358.  | 3.4  | 48        |
| 40 | Steering light by a sub-wavelength metallic grating from transformation optics. Scientific Reports, 2015, 5, 12219.   | 3.3  | 48        |
| 41 | Definite photon deflections ofÂtopologicalÂdefects in metasurfaces and symmetry-breaking phase<br>transitions with material loss. Nature Communications, 2018, 9, 4271.   | 12.8 | 48        |
| 42 | Reshaping the perfect electrical conductor cylinder arbitrarily. New Journal of Physics, 2008, 10, 113016.  | 2.9  | 46        |
| 43 | Transformation optics in orthogonal coordinates. Journal of Optics, 2009, 11, 075102.   | 1.5  | 42        |
| 44 | Conformal cloak for waves. Physical Review A, 2011, 83, .   | 2.5  | 42        |
| 45 | Compact acoustic retroreflector based on a mirrored Luneburg lens. Physical Review Materials, 2018, 2, .  | 2.4  | 41        |
| 46 | Overlapped illusion optics: a perfect lens brings a brighter feature. New Journal of Physics, 2011, 13, 023010.   | 2.9  | 40        |
| 47 | Tailoring Topological Transitions of Anisotropic Polaritons by Interface Engineering in Biaxial<br>Crystals. Nano Letters, 2022, 22, 4260-4268.   | 9.1  | 40        |
| 48 | A simple route to a tunable electromagnetic gateway. New Journal of Physics, 2009, 11, 083012.  | 2.9  | 39        |
| 49 | Giant Goos-Hächen shift induced by bounded states in optical PT-symmetric bilayer structures. Optics<br>Express, 2019, 27, 7857.  | 3.4  | 38        |
| 50 | Broadband High-Efficiency Ultrathin Metasurfaces With Simultaneous Independent Control of<br>Transmission and Reflection Amplitudes and Phases. IEEE Transactions on Microwave Theory and<br>Techniques, 2022, 70, 254-263. | 4.6  | 38        |
| 51 | Anisotropic polaritons in van der Waals materials. InformaÄnÃ-Materiály, 2020, 2, 777-790.  | 17.3 | 36        |
| 52 | "Cloaking at a distance―from folded geometries in bipolar coordinates. Optics Letters, 2009, 34, 2649.  | 3.3  | 35        |
| 53 | Mechanism Behind Angularly Asymmetric Diffraction in Phase-Gradient Metasurfaces. Physical Review Applied, 2019, 12, .  | 3.8  | 34        |
| 54 | Graded index photonic hole: Analytical and rigorous full wave solution. Physical Review B, 2010, 82, .  | 3.2  | 33        |

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|----|--|------|-----------|
| 55 | Time delays and energy transport velocities in three dimensional ideal cloaking devices. Journal of<br>Applied Physics, 2008, 104, .                     | 2.5  | 31        |
| 56 | Plasmon-polaritonic quadrupole topological insulators. Physical Review B, 2020, 101, .   | 3.2  | 31        |
| 57 | Bidirectional multi-mode microwave vortex beam generation enabled by spoof surface plasmon polaritons. Applied Physics Letters, 2020, 117, .             | 3.3  | 28        |
| 58 | Playing the tricks of numbers of light sources. New Journal of Physics, 2013, 15, 093034.  | 2.9  | 26        |
| 59 | Additional modes in a waveguide system of zero-index-metamaterials with defects. Scientific Reports, 2015, 4, 6428.                                      | 3.3  | 26        |
| 60 | Design of zero index metamaterials with PT symmetry using epsilon-near-zero media with defects.<br>Journal of Applied Physics, 2017, 121, 094503.        | 2.5  | 26        |
| 61 | Flat Lenses Based on 2D Perovskite Nanosheets. Advanced Materials, 2020, 32, e2001388.   | 21.0 | 26        |
| 62 | Perfect field concentrator using zero index metamaterials and perfect electric conductors. Frontiers of Physics, 2014, 9, 90-93.                         | 5.0  | 25        |
| 63 | Enhancing ultra-wideband THz fingerprint sensing of unpatterned 2D carbon-based nanomaterials.<br>Carbon, 2021, 179, 666-676.                            | 10.3 | 25        |
| 64 | Transformation Metamaterials. Advanced Materials, 2021, 33, e2005489.  | 21.0 | 25        |
| 65 | Size-dependent longitudinal plasmon resonance wavelength and extraordinary scattering properties of Au nanobipyramids. Nanotechnology, 2018, 29, 355402. | 2.6  | 24        |
| 66 | Impedance-Matched Reduced Acoustic Cloaking with Realizable Mass and Its Layered Design. Chinese Physics Letters, 2008, 25, 3696-3699.                   | 3.3  | 23        |
| 67 | Enhanced third-harmonic generation induced by nonlinear field resonances in plasmonic-graphene metasurfaces. Optics Express, 2020, 28, 13234.            | 3.4  | 23        |
| 68 | Switchable bifunctional metasurfaces: nearly perfect retroreflection and absorption at the terahertz regime. Optics Letters, 2020, 45, 3989.             | 3.3  | 23        |
| 69 | Transformation media that turn a narrow slit into a large window. Optics Express, 2008, 16, 11764.   | 3.4  | 21        |
| 70 | Transformation media based super focusing antenna. Journal Physics D: Applied Physics, 2009, 42, 212002.   | 2.8  | 21        |
| 71 | Experimental realization of a broadband conformal mapping lens for directional emission. Applied Physics Letters, 2012, 100, 261907.                     | 3.3  | 21        |
| 72 | A broadband polarization-insensitive cloak based on mode conversion. Scientific Reports, 2015, 5, 12106.   | 3.3  | 21        |

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|----|---|-----|-----------|
| 73 | Effect of truncation on photonic corner states in a Kagome lattice. Optics Letters, 2019, 44, 4251.                   | 3.3 | 21        |
| 74 | Light rays and waves on geodesic lenses. Photonics Research, 2019, 7, 1266.   | 7.0 | 21        |
| 75 | Illusion optics. Frontiers of Physics in China, 2010, 5, 308-318.   | 1.0 | 20        |
| 76 | Cloaking and imaging at the same time. Europhysics Letters, 2013, 101, 34004.   | 2.0 | 20        |
| 77 | Applications of gradient index metamaterials in waveguides. Scientific Reports, 2015, 5, 18223.                       | 3.3 | 20        |
| 78 | Broadband mode conversion via gradient index metamaterials. Scientific Reports, 2016, 6, 24529.                       | 3.3 | 20        |
| 79 | Perfect conformal invisible device with feasible refractive indexes. Physical Review B, 2016, 93, .                   | 3.2 | 20        |
| 80 | Non-Euclidean Cloaking for Light Waves. IEEE Journal of Selected Topics in Quantum Electronics, 2010,<br>16, 418-426. | 2.9 | 19        |
| 81 | Electromagnetic wave propagations in conjugate metamaterials. Optics Express, 2017, 25, 4952.                         | 3.4 | 19        |
| 82 | An inside-out Eaton lens made of H-fractal metamaterials. Applied Physics Letters, 2012, 101, .                       | 3.3 | 18        |
| 83 | Total omnidirectional reflection by sub-wavelength gradient metallic gratings. Europhysics Letters, 2016, 114, 34003. | 2.0 | 18        |
| 84 | Coherent perfect absorber and laser modes in purely imaginary metamaterials. Physical Review A, 2017,<br>96, .        | 2.5 | 18        |
| 85 | Tunable edge states in reconfigurable photonic crystals. Journal of Applied Physics, 2019, 126, .                     | 2.5 | 18        |
| 86 | Scattering of elastic waves by elastic spheres in a NaCl-type phononic crystal. Physical Review B, 2007,<br>75, .     | 3.2 | 16        |
| 87 | Invisible lenses with positive isotropic refractive index. Physical Review A, 2014, 90, .                             | 2.5 | 16        |
| 88 | Inhomogeneous field in cavities of zero index metamaterials. Scientific Reports, 2015, 5, 11217.                      | 3.3 | 16        |
| 89 | Negative refraction based on purely imaginary metamaterials. Frontiers of Physics, 2018, 13, 1.                       | 5.0 | 16        |
| 90 | Imaging along conformal curves. Physical Review A, 2018, 98, .  | 2.5 | 16        |

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|-----|--|-----|-----------|
| 91  | Transformation cosmology. Physical Review A, 2020, 102, .  | 2.5 | 16        |
| 92  | The density profile of hard sphere liquid system under gravity. Journal of Chemical Physics, 2006, 125, 024510.  | 3.0 | 15        |
| 93  | Water Wave Polaritons. Physical Review Letters, 2022, 128, .   | 7.8 | 15        |
| 94  | Conformal optical devices based on geodesic lenses. Optics Express, 2019, 27, 28722.   | 3.4 | 14        |
| 95  | Transformation optical design of a bending waveguide by use of isotropic materials. Applied Optics, 2009, 48, G101.  | 2.1 | 13        |
| 96  | Nonlocality-Induced Negative Refraction and Subwavelength Imaging by Parabolic Dispersions in<br>Metal–Dielectric Multilayered Structures with Effective Zero Permittivity. Plasmonics, 2013, 8,<br>1095-1099. | 3.4 | 13        |
| 97  | Logarithm conformal mapping brings the cloaking effect. Scientific Reports, 2015, 4, 6862.   | 3.3 | 13        |
| 98  | Optical Concentrators with Simple Layered Designs. Scientific Reports, 2015, 5, 11015.   | 3.3 | 13        |
| 99  | Conformally Mapped Mikaelian Lens for Broadband Achromatic High Resolution Focusing. Laser and Photonics Reviews, 2021, 15, 2000564.   | 8.7 | 13        |
| 100 | Invisible Gateway by Superscattering Effect of Metamaterials. Physical Review Letters, 2021, 126, 227403.  | 7.8 | 13        |
| 101 | Polarization gaps and negative group velocity in chiral phononic crystals: Layer multiple scattering method. Physical Review B, 2008, 77, .  | 3.2 | 12        |
| 102 | Collimating lenses from non-Euclidean transformation optics. New Journal of Physics, 2012, 14, 023011.   | 2.9 | 12        |
| 103 | Conformal transformations to achieve unidirectional behavior of light. New Journal of Physics, 2012, 14, 053023.   | 2.9 | 12        |
| 104 | Total transmission through a sub-wavelength slit based on Fabry–Pérot resonance and zero-index<br>metamaterials. Journal of Optics (United Kingdom), 2015, 17, 105602.   | 2.2 | 12        |
| 105 | Tunable surface plasmon polaritons and ultrafast dynamics in 2D nanohole arrays. Nanoscale, 2019, 11,<br>16428-16436.  | 5.6 | 12        |
| 106 | Enhanced sum frequency generation for ultrasensitive characterization of plasmonic modes.<br>Nanophotonics, 2020, 9, 815-822.  | 6.0 | 12        |
| 107 | General transformation for the reduced invisibility cloak. Physical Review B, 2009, 80, .  | 3.2 | 11        |
| 108 | Oblique total transmissions through epsilon-near-zero metamaterials with hyperbolic dispersions.<br>Europhysics Letters, 2013, 101, 44001.   | 2.0 | 11        |

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|------|---|-------------|-----------------------------|
| 109  | Fano resonances from gradient-index metamaterials. Scientific Reports, 2016, 6, 19927.  | 3.3         | 11                          |
| 110  | Perfect invisibility concentrator with simplified material parameters. Frontiers of Physics, 2018, 13, 1.                                       | 5.0         | 11                          |
| 111  | Maxwell's fish-eye lenses under Schwartz-Christoffel mappings. Physical Review A, 2019, 99, .   | 2.5         | 11                          |
| 112  | Transformation devices with optical nihility media and reduced realizations. Frontiers of Physics, 2019, 14, 1.                                 | 5.0         | 11                          |
| 113  | Orbital corner states on breathing kagome lattices. Physical Review B, 2020, 101, .   | 3.2         | 11                          |
| 114  | Coherent perfect absorber makes a perfect drain for Maxwell's fish-eye lens. Europhysics Letters, 2012,<br>100, 34001.                          | 2.0         | 10                          |
| 115  | A feasible approach to field concentrators of arbitrary shapes. Frontiers of Physics, 2018, 13, 1.  | 5.0         | 10                          |
| 116  | High transmission in a metal-based photonic crystal. Applied Physics Letters, 2018, 112, .  | 3.3         | 10                          |
| 117  | Coherent perfect absorption and laser modes in a cylindrical structure of conjugate metamaterials.<br>New Journal of Physics, 2018, 20, 013015. | 2.9         | 10                          |
| 118  | Conformal Singularities and Topological Defects from Inverse Transformation Optics. Physical Review Applied, 2019, 11, .                        | 3.8         | 10                          |
| 119  | Ideal type-II Weyl points in twisted one-dimensional dielectric photonic crystals. Optics Express, 2021, 29, 40606.                             | 3.4         | 10                          |
| 120  | Conformal cloaks at eigenfrequencies. Journal Physics D: Applied Physics, 2013, 46, 135109.   | 2.8         | 9                           |
| 121  | Transformation optics with artificial Riemann sheets. New Journal of Physics, 2013, 15, 113013.   | 2.9         | 9                           |
| 122  | Ultra-compact reconfigurable device for mode conversion and dual-mode DPSK demodulation via inverse design. Optics Express, 2021, 29, 17718.    | 3.4         | 9                           |
| 123  | Photonic hyperinterfaces for light manipulations. Optica, 2020, 7, 687.   | 9.3         | 9                           |
| 124  | Metasurface-loaded waveguide for transformation optics applications. Journal of Optics (United) Tj ETQq0 0 0 rg                                 | gBT_/Qverlo | ock <sub>8</sub> 10 Tf 50 1 |
| 125_ | Perfect Undetectable Acoustic Device from Fabry-Pérot Resonances. Physical Review Applied, 2018, 9, .   | 3.8         | 8                           |

| 126 | Conformal Landscape of a Two-Dimensional Gradient Refractive-Index Profile for Geometrical Optics.<br>Physical Review Applied, 2020, 13, . | 3.8 | 8 |
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|-----|---|-----|-----------|
| 127 | Modal Analysis of 2-D Material-Based Plasmonic Waveguides by Mixed Spectral Element Method With<br>Equivalent Boundary Condition. Journal of Lightwave Technology, 2020, 38, 3677-3686. | 4.6 | 8         |
| 128 | Exact transformation optics by using electrostatics. Science Bulletin, 2022, 67, 246-255.   | 9.0 | 8         |
| 129 | Solid Immersion Maxwell's Fish-Eye Lens Without Drain. Physical Review Applied, 2022, 17, .   | 3.8 | 8         |
| 130 | An Invisibility Cloak Using Silver Nanowires. Plasmonics, 2011, 6, 477-481.   | 3.4 | 7         |
| 131 | Generalized laws of reflection and refraction from transformation optics. Europhysics Letters, 2012, 99, 44002.   | 2.0 | 7         |
| 132 | Imprinted plasmonic measuring nanocylinders for nanoscale volumes of materials. Nanophotonics, 2020, 9, 167-176.  | 6.0 | 7         |
| 133 | Bioinspired Conformal Transformation Acoustics. Physical Review Applied, 2020, 13, .  | 3.8 | 7         |
| 134 | Mimicking the gravitational effect with gradient index lenses in geometrical optics. Photonics Research, 2021, 9, 1197.   | 7.0 | 7         |
| 135 | Infinite Maxwell fisheye inside a finite circle. Journal of Optics (United Kingdom), 2015, 17, 125102.  | 2.2 | 6         |
| 136 | Broadband illusion optical devices based on conformal mappings. Frontiers of Physics, 2017, 12, 1.  | 5.0 | 6         |
| 137 | Efficient Mode Converter and Orbital-Angular-Momentum Generator via Gradient-Index<br>Metamaterials. Physical Review Applied, 2021, 15, .   | 3.8 | 6         |
| 138 | Acoustic super-resolution imaging based on solid immersion 3D Maxwell's fish-eye lens. Applied Physics Letters, 2022, 120, .  | 3.3 | 6         |
| 139 | Cloak an illusion. Frontiers of Physics, 2011, 6, 61-64.  | 5.0 | 5         |
| 140 | Manipulating transverse magnetic modes in waveguide using thin plasmonic materials. Laser and Photonics Reviews, 2014, 8, 562-568.  | 8.7 | 5         |
| 141 | Experimental verification of free-space singular boundary conditions in an invisibility cloak. Journal of Optics (United Kingdom), 2016, 18, 044008.                                    | 2.2 | 5         |
| 142 | Stable lossless polaritons on non-Hermitian optical interfaces. Physical Review B, 2017, 95, .  | 3.2 | 5         |
| 143 | Quantum many-body simulation using monolayer exciton-polaritons in coupled-cavities. Journal of Physics Condensed Matter, 2017, 29, 445703.   | 1.8 | 5         |
| 144 | Chemical bonds and edge states in a metamolecular crystal. Physical Review B, 2018, 98, .   | 3.2 | 5         |

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|-----|--|-----|-----------|
| 145 | Caustics from Optical Conformal Mappings. Physical Review Applied, 2019, 12, .   | 3.8 | 5         |
| 146 | Three-Dimensional Broadband Acoustic Waveguide Cloak. Chinese Physics Letters, 2020, 37, 054302.   | 3.3 | 5         |
| 147 | Conformal hyperbolic optics. Physical Review Research, 2021, 3, .  | 3.6 | 5         |
| 148 | Observation of light rays on absolute geodesic lenses. Optics Express, 2020, 28, 20215.  | 3.4 | 5         |
| 149 | A broadband perfect field rotator. Frontiers of Physics, 2012, 7, 315-318.   | 5.0 | 4         |
| 150 | An analogy strategy for transformation optics. New Journal of Physics, 2014, 16, 063008.   | 2.9 | 4         |
| 151 | Analysis of a conformal invisible device. Frontiers of Physics, 2018, 13, 1.   | 5.0 | 4         |
| 152 | Photonic zero-energy modes in a metal-based Lieb lattice. New Journal of Physics, 2019, 21, 113046.  | 2.9 | 4         |
| 153 | Multiple drains in generalized Maxwell's fisheye lenses. Optics Express, 2020, 28, 37218.  | 3.4 | 4         |
| 154 | Conformal cloaks from a function composition. Europhysics Letters, 2017, 117, 34002.   | 2.0 | 3         |
| 155 | Duplex Mikaelian and Duplex Maxwell's Fish-Eye Lenses. Physical Review Applied, 2020, 13, .  | 3.8 | 3         |
| 156 | Highly Efficient Gradient Solid Immersion Lens with Large Numerical Aperture for Broadband<br>Achromatic Deep Subwavelength Focusing and Magnified Far Field. Advanced Optical Materials, 2021, 9,<br>2100509. | 7.3 | 3         |
| 157 | Highly efficient achromatic subdiffraction focusing lens in the near field with large numerical aperture. Photonics Research, 2021, 9, 2088.   | 7.0 | 3         |
| 158 | Effective medium theory of checkboard structures in the long-wavelength limit. Chinese Optics<br>Letters, 2020, 18, 072401.  | 2.9 | 3         |
| 159 | Total transmission from deep learning designs. Journal of Electronic Science and Technology, 2021, 20, 100146.   | 3.6 | 3         |
| 160 | Phase-Gradient Metagratings via Mode Conversion. Physical Review Applied, 2022, 17, .  | 3.8 | 3         |
| 161 | Illusion Elastics in a Fluid Background. Physical Review Applied, 2019, 11, .  | 3.8 | 2         |
| 162 | 3D broadband waveguide cloak and light squeezing in terahertz regime. Optics Letters, 2020, 45, 652.   | 3.3 | 2         |

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|-----|--|-----|-----------|
| 163 | Bioinspired lenses from cats' eyes. Chinese Optics Letters, 2022, 20, 012202.  | 2.9 | 2         |
| 164 | Invisibility concentrator based on van der Waals semiconductor Î $\pm$ -MoO3. Nanophotonics, 2021, .   | 6.0 | 2         |
| 165 | Carpet cloak from optical conformal mapping. Science China Information Sciences, 2013, 56, 1-4.  | 4.3 | 1         |
| 166 | Probing Electric Field in an Enclosed Field Mapper for Characterizing Metamaterials. International Journal of Antennas and Propagation, 2014, 2014, 1-5.             | 1.2 | 1         |
| 167 | Perfect waveguide mode conversion via zero index metamaterials. Journal of Optics (United Kingdom),<br>2017, 19, 015102.   | 2.2 | 1         |
| 168 | Elastic conformal transparency. Europhysics Letters, 2019, 125, 54003.   | 2.0 | 1         |
| 169 | Multi-Core Conformal Lenses. Chinese Physics Letters, 2020, 37, 084202.  | 3.3 | 1         |
| 170 | The Luneburg-Lissajous lens. Europhysics Letters, 2020, 129, 64001.  | 2.0 | 1         |
| 171 | Light behaviors outside a black hole surrounded by dark matter. Europhysics Letters, 0, , .  | 2.0 | 1         |
| 172 | Multifrequency superscattering pattern shaping. Chinese Optics Letters, 2021, 19, 123601.  | 2.9 | 1         |
| 173 | Maxwell's fish-eye lens and its applications. , 2020, , .  |     | 1         |
| 174 | Absorption characteristics of perfect absorber, electromagnetic "black hole―and inner perfectly<br>matched layer. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 154201. | 0.5 | 1         |
| 175 | Metagrating in ancient Luoyang Bridge. Europhysics Letters, 2020, 132, 24003.  | 2.0 | 1         |
| 176 | Anisotropic Kepler problem in a non–rotationally-symmetric Eaton lens. Physical Review A, 2022, 105, .   | 2.5 | 1         |
| 177 | Broadband achromatic aberration general conformal Luneburg lens with quasi-far-field highly efficient super-focusing. Optics Letters, 2022, 47, 3820.                | 3.3 | 1         |
| 178 | de Sitter space with generalized Poincar $	ilde{A}$ $^{\odot}$ lens. Physical Review D, 2022, 106, .   | 4.7 | 1         |
| 179 | Non-Euclidean Ideas for Broadband Invisibility. , 2009, , .  |     | 0         |
| 180 | An illusion effect of Maxwell's fish-eye lens. Science China Information Sciences, 2013, 56, 1-5.  | 4.3 | 0         |

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|-----|---|------|-----------|
| 181 | Infinite Maxwell fish-eye in a finite area. , 2015, , .   |      | 0         |
| 182 | Perovskite Lenses: Flat Lenses Based on 2D Perovskite Nanosheets (Adv. Mater. 30/2020). Advanced<br>Materials, 2020, 32, 2070228.     | 21.0 | 0         |
| 183 | Manipulating Evanescent Waves in a Gradient Waveguide. Physical Review Applied, 2020, 13, .   | 3.8  | 0         |
| 184 | The geometric optical characteristics of Morse lens and its inside-out version. Journal of Optics (United Kingdom), 2021, 23, 025603. | 2.2  | 0         |
| 185 | Advances and Frontiers in Metamaterials. Frontiers in Materials, 2021, 8, .   | 2.4  | 0         |
| 186 | Multi-optical effects in two-dimensional photonic crystals of metallic pairs. Europhysics Letters, 0, , .                             | 2.0  | 0         |
| 187 | The Dynamical Study of the Metamaterial Systems. , 2010, , 183-214.   |      | 0         |
| 188 | Universal multimode waveguide crossing based on transformation optics: publisher's note. Optica, 2019, 6, 125.                        | 9.3  | 0         |
| 189 | Transmutation of conformal singularities. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1592.               | 2.1  | 0         |
| 190 | Highly efficient wavefront control based on extremely anisotropic materials. Journal of Optics<br>(United Kingdom), 0, , .            | 2.2  | 0         |