

Light Propagation with Phase Discontinuities: Generalized Refraction

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Citation Report

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58	Transmission phase control by stacked metal-dielectric hole array with two-dimensional geometric design. Optics Express, 2012, 20, 16092.	1.7	9
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1810	Terahertz Wavefront Control on Both Sides of the Cascaded Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 209-216.	3.1	42

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1811	Subwavelength Optical Engineering with Metasurface Waves. <i>Advanced Optical Materials</i> , 2018, 6, 1701201.	3.6	148
1812	Near-field flat focusing mirrors. <i>Applied Physics Reviews</i> , 2018, 5, 011101.	5.5	6
1813	Systematic Design of Printable Metasurfaces: Validation Through Reverse-Offset Printed Millimeter-Wave Absorbers. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 1340-1351.	3.1	32
1814	Gradient metasurface for four-direction anomalous reflection in terahertz. <i>Optics Communications</i> , 2018, 416, 125-129.	1.0	16
1815	Nonreciprocal Flat Optics with Silicon Metasurfaces. <i>Nano Letters</i> , 2018, 18, 1104-1109.	4.5	90
1816	Tungsten Disulfide-Gold Nanohole Hybrid Metasurfaces for Nonlinear Metalenses in the Visible Region. <i>Nano Letters</i> , 2018, 18, 1344-1350.	4.5	83
1817	Immobilized Seed-Mediated Growth of Two-Dimensional Array of Metallic Nanocrystals with Asymmetric Shapes. <i>ACS Nano</i> , 2018, 12, 1107-1119.	7.3	18
1818	Large optical nonlinearity of nanoantennas coupled to an epsilon-near-zero material. <i>Nature Photonics</i> , 2018, 12, 79-83.	15.6	276
1819	Metasurface for Water-to-Air Sound Transmission. <i>Physical Review Letters</i> , 2018, 120, 044302.	2.9	76
1820	High-resolution grayscale image hidden in a laser beam. <i>Light: Science and Applications</i> , 2018, 7, 17129-17129.	7.7	140
1821	Control of Si-Based All-Dielectric Printing Color through Oxidation. <i>ACS Photonics</i> , 2018, 5, 1460-1466.	3.2	60
1822	Arbitrary beam control using passive lossless metasurfaces enabled by orthogonally polarized custom surface waves. <i>Physical Review B</i> , 2018, 97, .	1.1	31
1823	Plasmonic Metasurfaces for Simultaneous Thermal Infrared Invisibility and Holographic Illusion. <i>Advanced Functional Materials</i> , 2018, 28, 1706673.	7.8	151
1824	Highly Efficient Wave-Front Reshaping of Surface Waves with Dielectric Metawalls. <i>Physical Review Applied</i> , 2018, 9, .	1.5	18
1825	Addition Theorem for Digital Coding Metamaterials. <i>Advanced Optical Materials</i> , 2018, 6, 1701236.	3.6	148
1826	Subwavelength Hyperlens Resolution With Perfect Contrast Function. <i>Annalen Der Physik</i> , 2018, 530, 1700300.	0.9	6
1827	The Nanoscale Optical Properties of Complex Nanostructures. <i>Springer Theses</i> , 2018, , .	0.0	0
1828	Interference Eraser Experiment Demonstrated with All-Plasmonic Which-Path Marker Based on Reverse Spin Hall Effect of Light. <i>ACS Photonics</i> , 2018, 5, 1108-1114.	3.2	11

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1830	Nonlinear Metasurface Based on Giant Optical Kerr Response of Gold Quantum Wells. <i>ACS Photonics</i> , 2018, 5, 1654-1659.	3.2	20
1831	Simultaneous Realization of Anomalous Reflection and Transmission at Two Frequencies using Bi-functional Metasurfaces. <i>Scientific Reports</i> , 2018, 8, 1876.	1.6	76
1832	Elastic metasurfaces for splitting SV- and P-waves in elastic solids. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	98
1833	Strong Polarization Transformation of Bloch Surface Waves. <i>Physical Review Applied</i> , 2018, 9, .	1.5	27
1834	Fabrication of Nearly Hyperuniform Substrates by Tailored Disorder for Photonic Applications. <i>Advanced Optical Materials</i> , 2018, 6, 1701272.	3.6	34
1835	Metasurface optics for full-color computational imaging. <i>Science Advances</i> , 2018, 4, eaar2114.	4.7	220
1836	Analytical modelling for predicting the sound field of planar acoustic metasurface. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	12
1837	Surface-enhanced FAST CARS: en route to quantum nano-biophotonics. <i>Nanophotonics</i> , 2018, 7, 523-548.	2.9	16
1838	Inverse-Designed Broadband All-Dielectric Electromagnetic Metadevices. <i>Scientific Reports</i> , 2018, 8, 1358.	1.6	54
1839	A broadband high-transmission gradient phase discontinuity metasurface. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 095103.	1.3	16
1840	Functional metasurfaces based on metallic and dielectric subwavelength slits and stripes array. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 144003.	0.7	11
1841	Locally Enhanced Image Quality with Tunable Hybrid Metasurfaces. <i>Physical Review Applied</i> , 2018, 9, .	1.5	40
1842	Adjustable Subwavelength Metasurface-Inspired Resonator for Magnetic Resonance Imaging. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700788.	0.8	21
1843	Absorptive coding metasurface for further radar cross section reduction. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 065603.	1.3	73
1844	Highly Oriented Nanowire Thin Films with Anisotropic Optical Properties Driven by the Simultaneous Influence of Surface Templating and Shear Forces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3046-3057.	4.0	33
1845	Acoustic analog computing based on a reflective metasurface with decoupled modulation of phase and amplitude. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	28
1846	Dynamically Tunable Deep Subwavelength High-Order Anomalous Reflection Using Graphene Metasurfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1701047.	3.6	42

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1848	Flat dielectric metasurface lens array for three dimensional integral imaging. <i>Optics Communications</i> , 2018, 414, 1-4.	1.0	5
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1850	2D achromatic flat focusing lens based on dispersion engineering of spoof surface plasmon polaritons: broadband and profile-robust. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 045108.	1.3	7
1851	Electrically tunable electromagnetic switches based on zero-index metamaterials. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 025103.	1.0	6
1852	Dispersion engineering in metamaterials and metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 054002.	1.3	20
1853	Spin-Controlled Integrated Near- and Far-Field Optical Launcher. <i>Advanced Functional Materials</i> , 2018, 28, 1705503.	7.8	39
1854	Pragmatic Metasurface Hologram at Visible Wavelength: The Balance between Diffraction Efficiency and Fabrication Compatibility. <i>ACS Photonics</i> , 2018, 5, 1643-1647.	3.2	87
1855	Fabrication of high refractive index TiO ₂ films using electron beam evaporator for all dielectric metasurfaces. <i>Materials Research Express</i> , 2018, 5, 016410.	0.8	8
1856	Ultra-fast transient plasmonics using transparent conductive oxides. <i>Journal of Optics (United Kingdom)</i> 1 0.784314.rgBT / Overlock 10	1.0	18
1857	Active metasurface for reconfigurable reflectors. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	39
1858	Microwave Vortex Beam Emitter Based on Spoof Surface Plasmon Polaritons. <i>Laser and Photonics Reviews</i> , 2018, 12, 1600316.	4.4	49
1859	Beam steering by using a gradient refractive index metamaterial planar lens and a gradient phase metasurface planar lens. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 330-337.	0.9	14
1860	Ultrathin metasurface with high absorptance for waterborne sound. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	33
1861	Detection of Orbital Angular Momentum With Metasurface at Microwave Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 110-113.	2.4	51
1862	Exploring attachment chemistry with FRET in hybrid quantum dot dye-labeled DNA dendrimer composites. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 314-327.	1.7	12
1863	Efficient ultrawideband linear polarization conversion metasurface based on \hat{I} -shaped. <i>Modern Physics Letters B</i> , 2018, 32, 1850027.	1.0	5
1864	Imaging through Nonlinear Metalens Using Second Harmonic Generation. <i>Advanced Materials</i> , 2018, 30, 1703843.	11.1	91

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1870	On-Chip Spectropolarimetry by Fingerprinting with Random Surface Arrays of Nanoparticles. ACS Photonics, 2018, 5, 1703-1710.	3.2	13
1871	Elastic wave manipulation by using a phase-controlling meta-layer. Journal of Applied Physics, 2018, 123, .	1.1	35
1872	Frequency Scanning Radiation by Decoupling Spoof Surface Plasmon Polaritons via Phase Gradient Metasurface. IEEE Transactions on Antennas and Propagation, 2018, 66, 203-208.	3.1	84
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1875	Negative reflection and negative surface wave conversion from obliquely incident electromagnetic waves. Light: Science and Applications, 2018, 7, 18008-18008.	7.7	53
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1877	High-efficiency dual-modes vortex beam generator with polarization-dependent transmission and reflection properties. Scientific Reports, 2018, 8, 6422.	1.6	27
1878	Frequency-Diverse Transmission Metamaterial Aperture With a Bunching Random Beam. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1029-1033.	2.4	20
1879	Enhanced Photoresponse in Metasurface-Integrated Organic Photodetectors. Nano Letters, 2018, 18, 3362-3367.	4.5	25
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1881	Liquid-crystal-based tunable plasmonic waveguide filters. Journal Physics D: Applied Physics, 2018, 51, 235101.	1.3	9
1882	Metasurface for multi-channel terahertz beam splitters and polarization rotators. Applied Physics Letters, 2018, 112, .	1.5	56

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1885	Generating structured light with phase helix and intensity helix using reflection-enhanced plasmonic metasurface at 2×10^4 m. Applied Physics Letters, 2018, 112, .	1.5	12
1886	Dispersion Analysis of Deep-Subwavelength-Decorated Metallic Surface Using Field-Network Joint Solution. IEEE Transactions on Antennas and Propagation, 2018, 66, 2923-2933.	3.1	25
1887	Metasurface holography: from fundamentals to applications. Nanophotonics, 2018, 7, 1169-1190.	2.9	296
1888	Design and Experiment of a Near-Zero-Thickness High-Gain Transmit-Reflect-Array Antenna Using Anisotropic Metasurface. IEEE Transactions on Antennas and Propagation, 2018, 66, 2853-2861.	3.1	100
1889	Nonlinear thermotics: nonlinearity enhancement and harmonic generation in thermal metasurfaces. European Physical Journal B, 2018, 91, 1.	0.6	21
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1897	Diatomic Metasurface for Vectorial Holography. Nano Letters, 2018, 18, 2885-2892.	4.5	263
1898	Binary Huygens™ Metasurfaces: Experimental Demonstration of Simple and Efficient Near-Grazing Retroreflectors for TE and TM Polarizations. IEEE Transactions on Antennas and Propagation, 2018, 66, 2892-2903.	3.1	64
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1907	Multifunctional Light Sword Metasurface Lens. ACS Photonics, 2018, 5, 1794-1799.	3.2	81
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1913	Tunable broadband polarization rotator in terahertz frequency based on graphene metamaterial. Carbon, 2018, 133, 170-175.	5.4	104
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1917	Invited Article: Narrowband terahertz bandpass filters employing stacked bilayer metasurface antireflection structures. APL Photonics, 2018, 3, .	3.0	53
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1922	Homogenized description and retrieval method of nonlinear metasurfaces. <i>Optics Communications</i> , 2018, 410, 53-69.	1.0	11
1923	Progress and Opportunities in Soft Photonics and Biologically Inspired Optics. <i>Advanced Materials</i> , 2018, 30, 1702669.	11.1	102
1924	Freeform Metagratings Based on Complex Light Scattering Dynamics for Extreme, High Efficiency Beam Steering. <i>Annalen Der Physik</i> , 2018, 530, 1700302.	0.9	61
1925	Bifunctional Pancharatnamâ€Berry Metasurface with Highâ€Efficiency Helicityâ€Dependent Transmissions and Reflections. <i>Annalen Der Physik</i> , 2018, 530, 1700321.	0.9	54
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1929	Gradient metasurfaces: a review of fundamentals and applications. <i>Reports on Progress in Physics</i> , 2018, 81, 026401.	8.1	374
1930	Wideband and high efficiency reflective polarization rotator based on metasurface. <i>Journal of Electromagnetic Waves and Applications</i> , 2018, 32, 265-273.	1.0	16
1931	Plasmonic Metamaterials and Metasurfaces. <i>Springer Series in Materials Science</i> , 2018, , 129-153.	0.4	2
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1933	Experiments on reflection and transmission of acoustic porous metasurface with composite structure. <i>Composite Structures</i> , 2018, 185, 508-514.	3.1	33
1934	Design of beam deflector, splitters, wave plates and metalens using photonic elements with dielectric metasurface. <i>Optics Communications</i> , 2018, 411, 93-100.	1.0	44
1935	All-Dielectric Meta-Holograms with Holographic Images Transforming Longitudinally. <i>ACS Photonics</i> , 2018, 5, 599-606.	3.2	58
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1940	Tunable Subnanometer Gap Plasmonic Metasurfaces. ACS Photonics, 2018, 5, 1012-1018.	3.2	28
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1970	Experimental Demonstration of the Huygens' Box: Arbitrary Waveform Generation in a Metallic Cavity. , 2018, , .		8
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1977	A Dual-Band Multi-layer Metasurface Lens. , 2018, , .		0
1978	A High-conversion PW-SW Converter Based on Phase Gradient Metasurface. , 2018, , .		0
1979	Realization of high-gain circularly polarized planar lens antenna with beam steering capability. , 2018, , .		3
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1981	A W-band Single-Layer Metal-Only Array Antenna with Two Focal Planes. , 2018, , .		0
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1984	Wavelength-Dependent Three-Dimensional Volumetric Optical Vortices Modulation Based on Metasurface. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	1.0	5
1985	Magnetic Hyperbolic Metasurface: Concept, Design, and Applications. <i>Advanced Science</i> , 2018, 5, 1801495.	5.6	24
1986	Broadband achromatic dielectric metalenses. <i>Light: Science and Applications</i> , 2018, 7, 85.	7.7	449
1987	Manipulating Propagation and Scattering of Microwave by Optically Transparent Metasurface. , 2018, , .		1
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3935	Nondispersive acoustic manipulation based on gradient curved waveguides. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	1
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3940	Quad-channel independent wavefront encoding with dual-band multitasking metasurface. <i>Optics Express</i> , 2021, 29, 15678.	1.7	10
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