

Zhancheng Li

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,330
citations

117453

34
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149479

56
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70
docs citations

70
times ranked

2577
citing authors

#	ARTICLE	IF	CITATIONS
1	Realization of broadband cross-polarization conversion in transmission mode in the terahertz region using a single-layer metasurface. <i>Optics Letters</i> , 2015, 40, 3185.	1.7	212
2	High-quality-factor multiple Fano resonances for refractive index sensing. <i>Optics Letters</i> , 2018, 43, 1842.	1.7	170
3	Metasurface-Empowered Optical Multiplexing and Multifunction. <i>Advanced Materials</i> , 2020, 32, e1805912.	11.1	169
4	Dynamically tunable broadband mid-infrared cross polarization converter based on graphene metamaterial. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	152
5	Ultrahighly Saturated Structural Colors Enhanced by Multipolar-Modulated Metasurfaces. <i>Nano Letters</i> , 2019, 19, 4221-4228.	4.5	146
6	Realizing Broadband and Invertible Linear-to-circular Polarization Converter with Ultrathin Single-layer Metasurface. <i>Scientific Reports</i> , 2016, 5, 18106.	1.6	128
7	From Single-Dimensional to Multidimensional Manipulation of Optical Waves with Metasurfaces. <i>Advanced Materials</i> , 2019, 31, e1802458.	11.1	127
8	High-Quality-Factor Mid-Infrared Toroidal Excitation in Folded 3D Metamaterials. <i>Advanced Materials</i> , 2017, 29, 1606298.	11.1	117
9	Metasurface Enabled Wide-Angle Fourier Lens. <i>Advanced Materials</i> , 2018, 30, e1706368.	11.1	112
10	Dynamically Tunable Broadband Infrared Anomalous Refraction Based on Graphene Metasurfaces. <i>Advanced Optical Materials</i> , 2015, 3, 1744-1749.	3.6	108
11	Optical Polarization Encoding Using Graphene-Loaded Plasmonic Metasurfaces. <i>Advanced Optical Materials</i> , 2016, 4, 91-98.	3.6	100
12	Polarization-Sensitive Structural Colors with Hue and Saturation Tuning Based on All-Dielectric Nanopixels. <i>Advanced Optical Materials</i> , 2018, 6, 1701009.	3.6	95
13	High-Efficiency Mutual Dual-Band Asymmetric Transmission of Circularly Polarized Waves with Few-Layer Anisotropic Metasurfaces. <i>Advanced Optical Materials</i> , 2016, 4, 2028-2034.	3.6	86
14	Tunable dual-band asymmetric transmission for circularly polarized waves with graphene planar chiral metasurfaces. <i>Optics Letters</i> , 2016, 41, 3142.	1.7	86
15	Generation of vector beams with arbitrary spatial variation of phase and linear polarization using plasmonic metasurfaces. <i>Optics Letters</i> , 2015, 40, 3229.	1.7	82
16	Controllable optical activity with non-chiral plasmonic metasurfaces. <i>Light: Science and Applications</i> , 2016, 5, e16096-e16096.	7.7	70
17	High-Performance Broadband Circularly Polarized Beam Deflector by Mirror Effect of Multilayered Metasurfaces. <i>Advanced Functional Materials</i> , 2015, 25, 5428-5434.	7.8	69
18	Energy-Tailorable Spin-Selective Multifunctional Metasurfaces with Full Fourier Components. <i>Advanced Materials</i> , 2019, 31, e1901729.	11.1	69

#	ARTICLE	IF	CITATIONS
19	Polarization-insensitive and wide-angle broadband nearly perfect absorber by tunable planar metamaterials in the visible regime. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 125107.	1.0	63
20	Dynamically tunable plasmonically induced transparency by planar hybrid metamaterial. <i>Optics Letters</i> , 2013, 38, 483.	1.7	61
21	Broadband diodelike asymmetric transmission of linearly polarized light in ultrathin hybrid metamaterial. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	54
22	Spin-Selective Full-Dimensional Manipulation of Optical Waves with Chiral Mirror. <i>Advanced Materials</i> , 2020, 32, e1907983.	11.1	52
23	Integrating polarization conversion and nearly perfect absorption with multifunctional metasurfaces. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	49
24	Single-Layer Plasmonic Metasurface Half-Wave Plates with Wavelength-Independent Polarization Conversion Angle. <i>ACS Photonics</i> , 2017, 4, 2061-2069.	3.2	48
25	Simultaneous generation of high-efficiency broadband asymmetric anomalous refraction and reflection waves with few-layer anisotropic metasurface. <i>Scientific Reports</i> , 2016, 6, 35485.	1.6	45
26	Tripling the Capacity of Optical Vortices by Nonlinear Metasurface. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800164.	4.4	44
27	Aberration-corrected three-dimensional positioning with a single-shot metalens array. <i>Optica</i> , 2020, 7, 1706.	4.8	43
28	Spin-Selective Transmission and Devisable Chirality in Two-Layer Metasurfaces. <i>Scientific Reports</i> , 2017, 7, 8204.	1.6	42
29	Dynamically Tunable Deep Subwavelength High-Order Anomalous Reflection Using Graphene Metasurfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1701047.	3.6	42
30	Optical Information Multiplexing with Nonlinear Coding Metasurfaces. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900045.	4.4	41
31	Optical Metasurfaces for Generation and Superposition of Optical Ring Vortex Beams. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000146.	4.4	41
32	Manipulation of the Photonic Spin Hall Effect with High Efficiency in Gold-Nanorod-Based Metasurfaces. <i>Advanced Optical Materials</i> , 2017, 5, 1700413.	3.6	37
33	Dielectric Resonance-Based Optical Metasurfaces: From Fundamentals to Applications. <i>IScience</i> , 2020, 23, 101868.	1.9	37
34	Spin-Selective and Wavelength-Selective Demultiplexing Based on Waveguide-Integrated All-Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801273.	3.6	36
35	Fano-resonance-based mode-matching hybrid metasurface for enhanced second-harmonic generation. <i>Optics Letters</i> , 2017, 42, 3117.	1.7	34
36	Giant spin-selective asymmetric transmission in multipolar-modulated metasurfaces. <i>Optics Letters</i> , 2019, 44, 3805.	1.7	32

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37	High Performance Broadband Asymmetric Polarization Conversion Due to Polarization-dependent Reflection. <i>Plasmonics</i> , 2015, 10, 1703-1711.	1.8	31
38	Giant Intrinsic Chirality in Curled Metasurfaces. <i>ACS Photonics</i> , 2020, 7, 3415-3422.	3.2	30
39	Ultrathin polarization-insensitive wide-angle broadband near-perfect absorber in the visible regime based on few-layer MoS ₂ films. <i>Applied Physics Letters</i> , 2017, 111, 111109.	1.5	27
40	Arbitrary Manipulation of Light Intensity by Bilayer Aluminum Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1900260.	3.6	26
41	Vortical Reflection and Spiraling Fermi Arcs with Weyl Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 093904.	2.9	26
42	Multiband quasibound states in the continuum engineered by space-group-invariant metasurfaces. <i>Physical Review B</i> , 2021, 104, .	1.1	25
43	Deep-learning-based colorimetric polarization-angle detection with metasurfaces. <i>Optica</i> , 2022, 9, 217.	4.8	22
44	High-Performance Transmission Structural Colors Generated by Hybrid Metal-Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2021, 9, 2100895.	3.6	20
45	Fully interferometric controllable anomalous refraction efficiency using cross modulation with plasmonic metasurfaces. <i>Optics Letters</i> , 2014, 39, 6763.	1.7	19
46	Full Complex-Amplitude Modulation of Second Harmonic Generation with Nonlinear Metasurfaces. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100207.	4.4	18
47	Few-layer metasurfaces with arbitrary scattering properties. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	16
48	Multiplexed Nondiffracting Nonlinear Metasurfaces. <i>Advanced Functional Materials</i> , 2020, 30, 1910744.	7.8	16
49	Momentum Analysis for Metasurfaces. <i>Physical Review Applied</i> , 2017, 8, .	1.5	16
50	Co-enhancing and -confining the electric and magnetic fields of the broken-nanoring and the composite nanoring by azimuthally polarized excitation. <i>Optics Express</i> , 2013, 21, 20611.	1.7	15
51	Tunable dual-band and high-quality-factor perfect absorption based on VO ₂ -assisted metasurfaces. <i>Optics Express</i> , 2021, 29, 31488.	1.7	13
52	Rapid Bending Origami in Micro/Nanoscale toward a Versatile 3D Metasurface. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900179.	4.4	12
53	A Bilayer Plasmonic Metasurface for Polarization-Insensitive Bidirectional Perfect Absorption. <i>Advanced Theory and Simulations</i> , 2020, 3, 1900216.	1.3	12
54	Metasurfaces: Metasurface-Empowered Optical Multiplexing and Multifunction (<i>Adv. Mater.</i> 3/2020). <i>Advanced Materials</i> , 2020, 32, 2070022.	11.1	10

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55	Deep Learning Enabled Multicolor Meta Holography. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	9
56	Dynamically Tunable Plasmonic Lens between the Near and Far Fields Based on Composite Nanorings Illuminated with Radially Polarized Light. <i>Plasmonics</i> , 2015, 10, 625-631.	1.8	8
57	Electromagnetic wave manipulation based on few-layer metasurfaces and polyatomic metasurfaces. <i>ChemPhysMater</i> , 2021, 1, 6-6.	1.4	8
58	Nonlinear Metasurfaces: Tripling the Capacity of Optical Vortices by Nonlinear Metasurface (Laser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.4	7
59	Inverse Design of Few-Layer Metasurfaces Empowered by the Matrix Theory of Multilayer Optics. <i>Physical Review Applied</i> , 2022, 17, .	1.5	7
60	Flexible Confinement and Manipulation of Mie Resonances via Nano Rectangular Hollow Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
61	Multi-band on-chip photonic spin Hall effect and selective excitation of whispering gallery modes with metasurface-integrated microcavity. <i>Optics Letters</i> , 2021, 46, 3528.	1.7	6
62	Interferometric Control of Signal Light Intensity by Anomalous Refraction with Plasmonic Metasurface. <i>Plasmonics</i> , 2016, 11, 353-358.	1.8	5
63	Efficient generation of broadband short-wave infrared vector beams with arbitrary polarization. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	5
64	Refraction: Dynamically Tunable Broadband Infrared Anomalous Refraction Based on Graphene Metasurfaces (Advanced Optical Materials 12/2015). <i>Advanced Optical Materials</i> , 2015, 3, 1743-1743.	3.6	4
65	Polarization State Manipulation of Electromagnetic Waves with Metamaterials and Its Applications in Nanophotonics. , 0, , .		4
66	Metasurfaces: From Single Dimensional to Multidimensional Manipulation of Optical Waves with Metasurfaces (Adv. Mater. 16/2019). <i>Advanced Materials</i> , 2019, 31, 1970118.	11.1	4
67	Few-layer metasurfaces with engineered structural symmetry. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	3
68	Beam Deflectors: High Performance Broadband Circularly Polarized Beam Deflector by Mirror Effect of Multinorod Metasurfaces (Adv. Funct. Mater. 34/2015). <i>Advanced Functional Materials</i> , 2015, 25, 5567-5567.	7.8	0
69	Polarization: Optical Polarization Encoding Using Graphene Loaded Plasmonic Metasurfaces (Advanced Optical Materials 1/2016). <i>Advanced Optical Materials</i> , 2016, 4, 2-2.	3.6	0
70	Metamaterials: High Quality Factor Mid Infrared Toroidal Excitation in Folded 3D Metamaterials (Adv.) Tj ETQq0 0 0 rgBT /Overlock	11.1	0