

# Zhancheng Li

## List of Publications by Year in descending order

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70  
papers

3,330  
citations

117625  
34  
h-index

144013  
57  
g-index

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all docs

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. Optics Letters, 2015, 40, 3185.	3.3	212
2	High-quality-factor multiple Fano resonances for refractive index sensing. Optics Letters, 2018, 43, 1842.	3.3	170
3	Metasurface-Empowered Optical Multiplexing and Multifunction. Advanced Materials, 2020, 32, e1805912.	21.0	169
4	Dynamically tunable broadband mid-infrared cross polarization converter based on graphene metamaterial. Applied Physics Letters, 2013, 103, .	3.3	152
5	Ultrahighly Saturated Structural Colors Enhanced by Multipolar-Modulated Metasurfaces. Nano Letters, 2019, 19, 4221-4228.	9.1	146
6	Realizing Broadband and Invertible Linear-to-circular Polarization Converter with Ultrathin Single-layer Metasurface. Scientific Reports, 2016, 5, 18106.	3.3	128
7	From Single-Dimensional to Multidimensional Manipulation of Optical Waves with Metasurfaces. Advanced Materials, 2019, 31, e1802458.	21.0	127
8	High-Quality-Factor Mid-Infrared Toroidal Excitation in Folded 3D Metamaterials. Advanced Materials, 2017, 29, 1606298.	21.0	117
9	Metasurface Enabled Wide-Angle Fourier Lens. Advanced Materials, 2018, 30, e1706368.	21.0	112
10	Dynamically Tunable Broadband Infrared Anomalous Refraction Based on Graphene Metasurfaces. Advanced Optical Materials, 2015, 3, 1744-1749.	7.3	108
11	Optical Polarization Encoding Using Graphene-Loaded Plasmonic Metasurfaces. Advanced Optical Materials, 2016, 4, 91-98.	7.3	100
12	Polarization-Sensitive Structural Colors with Hue- and Saturation Tuning Based on All-Dielectric Nanopixels. Advanced Optical Materials, 2018, 6, 1701009.	7.3	95
13	High-Efficiency Mutual Dual-Band Asymmetric Transmission of Circularly Polarized Waves with Few-Layer Anisotropic Metasurfaces. Advanced Optical Materials, 2016, 4, 2028-2034.	7.3	86
14	Tunable dual-band asymmetric transmission for circularly polarized waves with graphene planar chiral metasurfaces. Optics Letters, 2016, 41, 3142.	3.3	86
15	Generation of vector beams with arbitrary spatial variation of phase and linear polarization using plasmonic metasurfaces. Optics Letters, 2015, 40, 3229.	3.3	82
16	Controllable optical activity with non-chiral plasmonic metasurfaces. Light: Science and Applications, 2016, 5, e16096-e16096.	16.6	70
17	High-Performance Broadband Circularly Polarized Beam Deflector by Mirror Effect of Multinorod Metasurfaces. Advanced Functional Materials, 2015, 25, 5428-5434.	14.9	69
18	Energy-Tailorable Spin-Selective Multifunctional Metasurfaces with Full Fourier Components. Advanced Materials, 2019, 31, e1901729.	21.0	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.	2.2	63
20	Dynamically tunable plasmonically induced transparency by planar hybrid metamaterial. <i>Optics Letters</i> , 2013, 38, 483.	3.3	61
21	Broadband diodelike asymmetric transmission of linearly polarized light in ultrathin hybrid metamaterial. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	54
22	Spin-Selective Full-Dimensional Manipulation of Optical Waves with Chiral Mirror. <i>Advanced Materials</i> , 2020, 32, e1907983.	21.0	52
23	Integrating polarization conversion and nearly perfect absorption with multifunctional metasurfaces. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	49
24	Single-Layer Plasmonic Metasurface Half-Wave Plates with Wavelength-Independent Polarization Conversion Angle. <i>ACS Photonics</i> , 2017, 4, 2061-2069.	6.6	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.	3.3	45
26	Tripling the Capacity of Optical Vortices by Nonlinear Metasurface. <i>Laser and Photonics Reviews</i> , 2018, 12, 1800164.	8.7	44
27	Aberration-corrected three-dimensional positioning with a single-shot metalens array. <i>Optica</i> , 2020, 7, 1706.	9.3	43
28	Spin-Selective Transmission and Devisable Chirality in Two-Layer Metasurfaces. <i>Scientific Reports</i> , 2017, 7, 8204.	3.3	42
29	Dynamically Tunable Deep Subwavelength High-Order Anomalous Reflection Using Graphene Metasurfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1701047.	7.3	42
30	Optical Information Multiplexing with Nonlinear Coding Metasurfaces. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900045.	8.7	41
31	Optical Metasurfaces for Generation and Superposition of Optical Ring Vortex Beams. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000146.	8.7	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.	7.3	37
33	Dielectric Resonance-Based Optical Metasurfaces: From Fundamentals to Applications. <i>IScience</i> , 2020, 23, 101868.	4.1	37
34	Spin-Selective and Wavelength-Selective Demultiplexing Based on Waveguide-Integrated All-Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801273.	7.3	36
35	Fano-resonance-based mode-matching hybrid metasurface for enhanced second-harmonic generation. <i>Optics Letters</i> , 2017, 42, 3117.	3.3	34
36	Giant spin-selective asymmetric transmission in multipolar-modulated metasurfaces. <i>Optics Letters</i> , 2019, 44, 3805.	3.3	32

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37	High Performance Broadband Asymmetric Polarization Conversion Due to Polarization-dependent Reflection. Plasmonics, 2015, 10, 1703-1711.	3.4	31
38	Giant Intrinsic Chirality in Curled Metasurfaces. ACS Photonics, 2020, 7, 3415-3422.	6.6	30
39	Ultrathin polarization-insensitive wide-angle broadband near-perfect absorber in the visible regime based on few-layer MoS <sub>2</sub> films. Applied Physics Letters, 2017, 111, 111109.	3.3	27
40	Arbitrary Manipulation of Light Intensity by Bilayer Aluminum Metasurfaces. Advanced Optical Materials, 2019, 7, 1900260.	7.3	26
41	Vortical Reflection and Spiraling Fermi Arcs with Weyl Metamaterials. Physical Review Letters, 2020, 125, 093904.	7.8	26
42	Multiband quasibound states in the continuum engineered by space-group-invariant metasurfaces. Physical Review B, 2021, 104, .	3.2	25
43	Deep-learning-based colorimetric polarization-angle detection with metasurfaces. Optica, 2022, 9, 217.	9.3	22
44	High-Performance Transmission Structural Colors Generated by Hybrid Metal-Dielectric Metasurfaces. Advanced Optical Materials, 2021, 9, 2100895.	7.3	20
45	Fully interferometric controllable anomalous refraction efficiency using cross modulation with plasmonic metasurfaces. Optics Letters, 2014, 39, 6763.	3.3	19
46	Full Complex-Amplitude Modulation of Second Harmonic Generation with Nonlinear Metasurfaces. Laser and Photonics Reviews, 2021, 15, 2100207.	8.7	18
47	Few-layer metasurfaces with arbitrary scattering properties. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	16
48	Multiplexed Nondiffracting Nonlinear Metasurfaces. Advanced Functional Materials, 2020, 30, 1910744.	14.9	16
49	Momentum Analysis for Metasurfaces. Physical Review Applied, 2017, 8, .	3.8	16
50	Co-enhancing and -confining the electric and magnetic fields of the broken-nanoring and the composite nanoring by azimuthally polarized excitation. Optics Express, 2013, 21, 20611.	3.4	15
51	Tunable dual-band and high-quality-factor perfect absorption based on VO <sub>2</sub> -assisted metasurfaces. Optics Express, 2021, 29, 31488.	3.4	13
52	Rapid Bending Origami in Micro/Nanoscale toward a Versatile 3D Metasurface. Laser and Photonics Reviews, 2020, 14, 1900179.	8.7	12
53	A Bilayer Plasmonic Metasurface for Polarization-Insensitive Bidirectional Perfect Absorption. Advanced Theory and Simulations, 2020, 3, 1900216.	2.8	12
54	Metasurfaces: Metasurface-Empowered Optical Multiplexing and Multifunction (Adv. Mater. 3/2020). Advanced Materials, 2020, 32, 2070022.	21.0	10

#	ARTICLE	IF	CITATIONS
55	Deepâ€Learning Enabled Multicolor Metaâ€Holography. Advanced Optical Materials, 2022, 10, .	7.3	9
56	Dynamically Tunable Plasmonic Lens between the Near and Far Fields Based on Composite Nanorings Illuminated with Radially Polarized Light. Plasmonics, 2015, 10, 625-631.	3.4	8
57	Electromagnetic wave manipulation based on few-layer metasurfaces and polyatomic metasurfaces. ChemPhysMater, 2021, 1, 6-6.	2.8	8
58	Nonlinear Metasurfaces: Tripling the Capacity of Optical Vortices by Nonlinear Metasurface (Laser) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	8.7	7
59	Inverse Design of Few-Layer Metasurfaces Empowered by the Matrix Theory of Multilayer Optics. Physical Review Applied, 2022, 17, .	3.8	7
60	Flexible Confinement and Manipulation of Mie Resonances via Nano Rectangular Hollow Metasurfaces. Advanced Optical Materials, 2022, 10, .	7.3	7
61	Multi-band on-chip photonic spin Hall effect and selective excitation of whispering gallery modes with metasurface-integrated microcavity. Optics Letters, 2021, 46, 3528.	3.3	6
62	Interferometric Control of Signal Light Intensity by Anomalous Refraction with Plasmonic Metasurface. Plasmonics, 2016, 11, 353-358.	3.4	5
63	Efficient generation of broadband short-wave infrared vector beams with arbitrary polarization. Applied Physics Letters, 2019, 114, .	3.3	5
64	Refraction: Dynamically Tunable Broadband Infrared Anomalous Refraction Based on Graphene Metasurfaces (Advanced Optical Materials 12/2015). Advanced Optical Materials, 2015, 3, 1743-1743.	7.3	4
65	Polarization State Manipulation of Electromagnetic Waves with Metamaterials and Its Applications in Nanophotonics. , 0, , .		4
66	Metasurfaces: From Singleâ€Dimensional to Multidimensional Manipulation of Optical Waves with Metasurfaces (Adv. Mater. 16/2019). Advanced Materials, 2019, 31, 1970118.	21.0	4
67	Few-layer metasurfaces with engineered structural symmetry. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	3
68	Beam Deflectors: Highâ€Performance Broadband Circularly Polarized Beam Deflector by Mirror Effect of Multinorod Metasurfaces (Adv. Funct. Mater. 34/2015). Advanced Functional Materials, 2015, 25, 5567-5567.	14.9	0
69	Polarization: Optical Polarization Encoding Using Grapheneâ€Loaded Plasmonic Metasurfaces (Advanced Optical Materials 1/2016). Advanced Optical Materials, 2016, 4, 2-2.	7.3	0
70	Metamaterials: Highâ€Qualityâ€Factor Midâ€Infrared Toroidal Excitation in Folded 3D Metamaterials (Adv.) Tj ETQq0 0 0 rgBT/Overlock	21.0	0