

Cheng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,685
citations

279798

23
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

1251
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband metamaterial for optical transparency and microwave absorption. Applied Physics Letters, 2017, 110, .	3.3	234
2	Optically Transparent Broadband Microwave Absorption Metamaterial By Standingâ€šUp Closedâ€šRing Resonators. Advanced Optical Materials, 2017, 5, 1700109.	7.3	124
3	Hybrid metamaterial absorber for ultra-low and dual-broadband absorption. Optics Express, 2021, 29, 14078.	3.4	107
4	An optically transparent metasurface for broadband microwave antireflection. Applied Physics Letters, 2018, 112, .	3.3	89
5	Transparently curved metamaterial with broadband millimeter wave absorption. Photonics Research, 2019, 7, 478.	7.0	75
6	A reconfigurable active acoustic metalens. Applied Physics Letters, 2021, 118, .	3.3	72
7	Folded Transmitarray Antenna With Circular Polarization Based on Metasurface. IEEE Transactions on Antennas and Propagation, 2021, 69, 806-814.	5.1	71
8	Graphene-based anisotropic polarization meta-filter. Materials and Design, 2021, 206, 109768.	7.0	65
9	Thinâ€šMetalâ€šFilmâ€šBased Transparent Conductors: Material Preparation, Optical Design, and Device Applications. Advanced Optical Materials, 2021, 9, 2001298.	7.3	64
10	Linear and Nonlinear Polarization Syntheses and Their Programmable Controls based on Anisotropic Timeâ€šDomain Digital Coding Metasurface. Small Structures, 2021, 2, 2000060.	12.0	58
11	Ultrathin MXene-aramid nanofiber electromagnetic interference shielding films with tactile sensing ability withstanding harsh temperatures. Nano Research, 2021, 14, 2837-2845.	10.4	55
12	Accurate and broadband manipulations of harmonic amplitudes and phases to reach 256 QAM millimeter-wave wireless communications by time-domain digital coding metasurface. National Science Review, 2022, 9, nwab134.	9.5	46
13	Generation of radio vortex beams with designable polarization using anisotropic frequency selective surface. Applied Physics Letters, 2018, 112, .	3.3	43
14	Tunable Acoustic Metasurface for Three-Dimensional Wave Manipulations. Physical Review Applied, 2021, 15, .	3.8	43
15	Transparent Perfect Microwave Absorber Employing Asymmetric Resonance Cavity. Advanced Science, 2019, 6, 1901320.	11.2	40
16	Wideband High-Absorption Electromagnetic Absorber With Chaos Patterned Surface. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 197-201.	4.0	39
17	Silicon-coated fibrous network of carbon nanotube/iron towards stable and wideband electromagnetic wave absorption. Journal of Materials Science and Technology, 2022, 121, 199-206.	10.7	38
18	Heterogeneous Amplitudeâ€šPhase Metasurface for Distinct Wavefront Manipulation. Advanced Photonics Research, 2021, 2, 2100102.	3.6	37

#	ARTICLE	IF	CITATIONS
19	Asymmetric transmission of acoustic waves in a waveguide via gradient index metamaterials. Science Bulletin, 2019, 64, 808-813.	9.0	36
20	Transparent coupled membrane metamaterials with simultaneous microwave absorption and sound reduction. Optics Express, 2018, 26, 22916.	3.4	32
21	BST-silicon hybrid terahertz meta-modulator for dual-stimuli-triggered opposite transmission amplitude control. Nanophotonics, 2022, 11, 2075-2083.	6.0	30
22	Convolution operations on time-domain digital coding metasurface for beam manipulations of harmonics. Nanophotonics, 2020, 9, 2771-2781.	6.0	27
23	Multiphysical Digital Coding Metamaterials for Independent Control of Broadband Electromagnetic and Acoustic Waves with a Large Variety of Functions. ACS Applied Materials & Interfaces, 2019, 11, 17050-17055.	8.0	25
24	Tailoring polarization states of multiple beams that carry different topological charges of orbital angular momentums. Optics Express, 2018, 26, 31664.	3.4	21
25	Space-Frequency-Domain Gradient Metamaterials. Advanced Optical Materials, 2018, 6, 1801086.	7.3	18
26	Multilayered Graphene-Assisted Broadband Scattering Suppression through an Ultrathin and Ultralight Metasurface. ACS Applied Materials & Interfaces, 2021, 13, 7698-7704.	8.0	17
27	Routing Acoustic Waves via a Metamaterial with Extreme Anisotropy. Physical Review Applied, 2019, 12, .	3.8	16
28	Passive UHF RFID tags made with graphene assembly film-based antennas. Carbon, 2021, 178, 803-809.	10.3	16
29	Manipulation of Electromagnetic and Acoustic Wave Behaviors via Shared Digital Coding Metallic Metasurfaces. Advanced Intelligent Systems, 2019, 1, 1900038.	6.1	15
30	Flexible Anti-Metal RFID Tag Antenna Based on High-Conductivity Graphene Assembly Film. Sensors, 2021, 21, 1513.	3.8	15
31	A reflective acoustic meta-diffuser based on the coding meta-surface. Journal of Applied Physics, 2019, 126, .	2.5	14
32	Metasurface-Based Spatial Phasers for Analogue Signal Processing. Advanced Optical Materials, 2020, 8, 2000128.	7.3	12
33	Efficiency Enhanced Seven-Band Omnidirectional Rectenna for RF Energy Harvesting. IEEE Transactions on Antennas and Propagation, 2022, 70, 8473-8484.	5.1	12
34	Multi-Band Tunable Chiral Metamaterial for Asymmetric Transmission and Absorption of Linearly Polarized Electromagnetic Waves. Advanced Theory and Simulations, 2020, 3, 2000179.	2.8	11
35	A Metamaterial Route to Realize Acoustic Insulation and Anisotropic Electromagnetic Manipulation Simultaneously. Advanced Materials Technologies, 2018, 3, 1800161.	5.8	10
36	Reflection phase dispersion editing generates wideband invisible acoustic Huygens's metasurface. Journal of the Acoustical Society of America, 2019, 146, 166-171.	1.1	10

#	ARTICLE	IF	CITATIONS
37	Optically Controlled Terahertz Dynamic Beam Splitter with Adjustable Split Ratio. <i>Nanomaterials</i> , 2022, 12, 1169.	4.1	9
38	Two-Channel VO ₂ Memory Meta-Device for Terahertz Waves. <i>Nanomaterials</i> , 2021, 11, 3409.	4.1	9
39	Multi-interface self-assembling on MXenes skeleton towards wideband electromagnetic dissipation. <i>Materials Today Physics</i> , 2022, , 100685.	6.0	7
40	High-Performance Transparent Broadband Microwave Absorbers. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	7
41	Acoustic surface waves on three-dimensional groove gratings with sub-wavelength thickness. <i>Applied Physics Express</i> , 2018, 11, 087301.	2.4	5
42	Linear and Nonlinear Polarization Syntheses and Their Programmable Controls based on Anisotropic Time-Domain Digital Coding Metasurface. <i>Small Structures</i> , 2021, 2, 2170003.	12.0	5
43	Optically transparent metamaterial for broadband millimeter wave absorption. , 2017, , .		3
44	A High-Efficiency and Reconfigurable Rectenna Array for Dynamic Output DC Power Control. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	3
45	A Broadband Low-RCS Circularly Polarized Meta-Antenna. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	0