

Caihong Zhang

List of Publications by Year in descending order

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41
papers

1,457
citations

393982

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41
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41
docs citations

41
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable Terahertz Metamaterials with Non-Volatile Memory. Laser and Photonics Reviews, 2022, 16, .	4.4	37
2	Free-Standing Single-Layer Metasurface for Efficient and Broadband Tailoring of Terahertz Wavefront. Advanced Optical Materials, 2022, 10, .	3.6	13
3	Dual-color terahertz spatial light modulator for single-pixel imaging. Light: Science and Applications, 2022, 11, .	7.7	53
4	Anisotropic coding metasurfaces and their active manipulation based on vanadium dioxide for multifunctional applications in the terahertz region. Optics Express, 2022, 30, 28158.	1.7	8
5	Ultrafast spin current generated from an antiferromagnet. Nature Physics, 2021, 17, 388-394.	6.5	81
6	Temperature-Controlled Optical Activity and Negative Refractive Index. Advanced Functional Materials, 2021, 31, 2010249.	7.8	58
7	Spectral imaging of flexible terahertz coding metasurface. Applied Physics Letters, 2021, 118, .	1.5	11
8	Reconfigurable terahertz rainbow deflector. Applied Physics Letters, 2021, 118, .	1.5	7
9	Temperature-controlled terahertz polarization conversion bandwidth. Optics Express, 2021, 29, 21738.	1.7	25
10	CD38 Multi-Functionality in Oral Squamous Cell Carcinoma: Prognostic Implications, Immune Balance, and Immune Checkpoint. Frontiers in Oncology, 2021, 11, 687430.	1.3	6
11	Electrically tunable electromagnetically induced transparency in superconducting terahertz metamaterials. Applied Physics Letters, 2021, 119, 052602.	1.5	11
12	Functional Heterogeneity of Reelin in the Oral Squamous Cell Carcinoma Microenvironment. Frontiers in Oncology, 2021, 11, 692390.	1.3	0
13	Flexible bilayer terahertz metasurface for the manipulation of orbital angular momentum states. Optics Express, 2021, 29, 33445.	1.7	8
14	Spintronic terahertz emitter. Journal of Applied Physics, 2021, 129, .	1.1	39
15	Real-time near-field terahertz spectroscopy imaging. , 2021, , .		5
16	Terahertz wave modulation utilizing superconductor-metal metamaterials. , 2021, , .		0
17	Vertical $\text{NbTiOx/NbTiOx/NbTiOx}$ Josephson Junctions Controlled by In-Plane Hot-Electron Injection. Physical Review Applied. 2020. 14, .	1.5	3
18	Switchable Chiral Mirrors. Advanced Optical Materials, 2020, 8, 2000247.	3.6	45

#	ARTICLE	IF	CITATIONS
19	Liquid crystal programmable metasurface for terahertz beam steering. Applied Physics Letters, 2020, 116, .	1.5	169
20	Hybrid Coupling Model for Terahertz Metamaterials: Design and Applications. , 2019, , .		0
21	Fano Resonance in Terahertz Superconducting Tl ₂ Ba ₂ CaCu ₂ O ₈ Metamaterials. , 2019, , .		0
22	Active Control of Terahertz Waves Using Vanadium-Dioxide-Embedded Metamaterials. Physical Review Applied, 2019, 11, .	1.5	99
23	Temperature-Controlled Asymmetric Transmission of Electromagnetic Waves. Scientific Reports, 2019, 9, 4097.	1.6	60
24	Thermally Dependent Dynamic Meta-Holography Using a Vanadium Dioxide Integrated Metasurface. Advanced Optical Materials, 2019, 7, 1900175.	3.6	138
25	Bi-layer Metamaterial based Broadband Linear Polarization Converter under Two Coherent Beam Illumination. , 2018, , .		0
26	High-Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. Advanced Theory and Simulations, 2018, 1, 1800070.	1.3	28
27	Selective coherent perfect absorption of subradiant mode in ultrathin bi-layer metamaterials via antisymmetric excitation. Applied Physics Letters, 2017, 110, 181111.	1.5	18
28	Tunable electromagnetically induced transparency from a superconducting terahertz metamaterial. Applied Physics Letters, 2017, 110, .	1.5	36
29	Mode transition in cooperative metamaterials at terahertz frequencies. Journal of Applied Physics, 2017, 121, 193101.	1.1	5
30	Electrical dynamic modulation of THz radiation based on superconducting metamaterials. Applied Physics Letters, 2017, 111, .	1.5	53
31	Terahertz Spectroscopy of Dilute Gases Using $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Bi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:math} \rangle$ Physical Review Applied, 2017, 8, .	1.5	26
32	Broadband and high modulation-depth THz modulator using low bias controlled VO ₂ -integrated metasurface. Optics Express, 2017, 25, 17322.	1.7	96
33	Experimental study on the transition of plasmonic resonance modes in double-ring dimers by conductive junctions in the terahertz regime. Optics Express, 2016, 24, 27415.	1.7	17
34	Tailoring electromagnetically induced transparency effect of terahertz metamaterials on ultrathin substrate. Science China Information Sciences, 2016, 59, 1.	2.7	7
35	Metamaterials: Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials (Advanced Optical Materials 10/2015). Advanced Optical Materials, 2015, 3, 1373-1373.	3.6	11
36	Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials. Advanced Optical Materials, 2015, 3, 1374-1380.	3.6	175

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37	Nonlinear terahertz superconducting plasmonics. Applied Physics Letters, 2014, 105, 162602.	1.5	12
38	Extraction of material parameters of a bi-layer structure using Terahertz time-domain spectroscopy. Science China Information Sciences, 2014, 57, 1-10.	2.7	7
39	Nonlinear response of superconducting NbN thin film and NbN metamaterial induced by intense terahertz pulses. New Journal of Physics, 2013, 15, 055017.	1.2	27
40	Tuning of superconducting niobium nitride terahertz metamaterials. Optics Express, 2011, 19, 12021.	1.7	62
41	Continuous-wave Terahertz Imaging System Based on Far-infrared Laser Source. , 2006, , .		1