

Jing-Bo Wu

List of Publications by Year in descending order

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47
papers

1,447
citations

393982

19
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329751

37
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48
all docs

48
docs citations

48
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid crystal programmable metasurface for terahertz beam steering. Applied Physics Letters, 2020, 116, .	1.5	169
2	Low loss and magnetic field-tunable superconducting terahertz metamaterial. Optics Express, 2010, 18, 17504.	1.7	104
3	Large birefringence liquid crystal material in terahertz range. Optical Materials Express, 2012, 2, 1314.	1.6	104
4	Active Control of Terahertz Waves Using Vanadium-Dioxide-Embedded Metamaterials. Physical Review Applied, 2019, 11, .	1.5	99
5	Superconducting terahertz metamaterials mimicking electromagnetically induced transparency. Applied Physics Letters, 2011, 99, .	1.5	97
6	Broadband and high modulation-depth THz modulator using low bias controlled VO ₂ -integrated metasurface. Optics Express, 2017, 25, 17322.	1.7	96
7	Self-polarizing terahertz liquid crystal phase shifter. AIP Advances, 2011, 1, .	0.6	81
8	Ultrafast spin current generated from an antiferromagnet. Nature Physics, 2021, 17, 388-394.	6.5	81
9	Tuning of superconducting niobium nitride terahertz metamaterials. Optics Express, 2011, 19, 12021.	1.7	62
10	A 400-GHz High-Gain Quartz-Based Single Layered Folded Reflectarray Antenna for Terahertz Applications. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 78-88.	2.0	59
11	Terahertz nonlinear superconducting metamaterials. Applied Physics Letters, 2013, 102, .	1.5	53
12	Electrical dynamic modulation of THz radiation based on superconducting metamaterials. Applied Physics Letters, 2017, 111, .	1.5	53
13	Dual-color terahertz spatial light modulator for single-pixel imaging. Light: Science and Applications, 2022, 11, .	7.7	53
14	Programmable Terahertz Metamaterials with Non-volatile Memory. Laser and Photonics Reviews, 2022, 16, .	4.4	37
15	A flexible wideband bandpass terahertz filter using multi-layer metamaterials. Applied Physics B: Lasers and Optics, 2013, 113, 285-290.	1.1	36
16	Tunable electromagnetically induced transparency from a superconducting terahertz metamaterial. Applied Physics Letters, 2017, 110, .	1.5	36
17	High-performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. Advanced Theory and Simulations, 2018, 1, 1800070.	1.3	28
18	Extraordinary terahertz transmission in superconducting subwavelength hole array. Optics Express, 2011, 19, 1101.	1.7	26

#	ARTICLE	IF	CITATIONS
19	Excitation, detection and electrostatic manipulation of terahertz-frequency range plasmons in a two-dimensional electron system. <i>Scientific Reports</i> , 2015, 5, 15420.	1.6	21
20	Excitation of terahertz plasmon-polariton in a grating coupled two-dimensional electron gas with a Fabry-Pérot cavity. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	13
21	Free-Standing Single-Layer Metasurface for Efficient and Broadband Tailoring of Terahertz Wavefront. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	13
22	Nonlinear terahertz superconducting plasmonics. <i>Applied Physics Letters</i> , 2014, 105, 162602.	1.5	12
23	Spectral imaging of flexible terahertz coding metasurface. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	11
24	Electrically tunable electromagnetically induced transparency in superconducting terahertz metamaterials. <i>Applied Physics Letters</i> , 2021, 119, 052602.	1.5	11
25	Time-domain measurement of terahertz frequency magnetoplasmon resonances in a two-dimensional electron system by the direct injection of picosecond pulsed currents. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	10
26	Flexible bilayer terahertz metasurface for the manipulation of orbital angular momentum states. <i>Optics Express</i> , 2021, 29, 33445.	1.7	8
27	Josephson Plasmon Resonance in $Tl_{2}Ba_{2}CaCu_{2}O_{8}$ High-Temperature Superconductor Tunable Terahertz Metamaterials. <i>Advanced Functional Materials</i> , 2021, 31, 2106891.	7.8	8
28	Tailoring electromagnetically induced transparency effect of terahertz metamaterials on ultrathin substrate. <i>Science China Information Sciences</i> , 2016, 59, 1.	2.7	7
29	Tunable and high quality factor Fano and toroidal dipole resonances in terahertz superconducting metamaterials. <i>Materials Research Express</i> , 2020, 7, 046001.	0.8	7
30	Reconfigurable terahertz rainbow deflector. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	7
31	Temperature dependence of the point defect properties of GaN thin films studied by terahertz time-domain spectroscopy. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 2059-2064.	2.0	5
32	Terahertz narrow bandstop, broad bandpass filter using double-layer S-shaped metamaterials. <i>Science China Information Sciences</i> , 2013, 56, 1-7.	2.7	5
33	Mode transition in cooperative metamaterials at terahertz frequencies. <i>Journal of Applied Physics</i> , 2017, 121, 193101.	1.1	5
34	Real-time near-field terahertz spectroscopy imaging. , 2021, , .		5
35	A study of thermal effects in superconducting terahertz modulator by low temperature scanning laser microscope. <i>AIP Advances</i> , 2018, 8, .	0.6	4
36	Terahertz magnetoplasmon resonances in coupled cavities formed in a gated two-dimensional electron gas. <i>Optics Express</i> , 2021, 29, 12958.	1.7	4

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37	Acid etching process for fabrication of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} stack. Science Bulletin, 2007, 52, 303-306.	1.7	3
38	Double-side fabrication process and millimeter wave response of intrinsic Josephson junctions. Science Bulletin, 2009, 54, 873-876.	4.3	3
39	Extraordinary Transmission through Fractal-Featured Metallic and Superconducting Films at Terahertz Frequency. Chinese Physics Letters, 2012, 29, 114101.	1.3	3
40	Effect of loss and coupling on the resonance of metamaterial: An equivalent circuit approach. Science China Information Sciences, 2014, 57, 1-8.	2.7	3
41	Vertical NbTiO_x/Nb Josephson Junctions Controlled by In-Plane Hot-Electron Injection. Physical Review Applied, 2020, 14, .	1.5	3
42	Extraordinary terahertz transmission through subwavelength spindle-like apertures in NbN film. Chinese Physics B, 2014, 23, 014101.	0.7	1
43	Vortex channel flow effect in grain boundary of YBCO thin film under inclined magnetic field. Physica C: Superconductivity and Its Applications, 2018, 554, 15-18.	0.6	1
44	Terahertz Response of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} Intrinsic Josephson Junctions. , 2006, , .		0
45	Fano Resonance in Terahertz Superconducting Tl ₂ Ba ₂ CaCu ₂ O ₈ Metamaterials. , 2019, , .		0
46	The Effect of Magnetic Flux Focusing on the Current-Voltage Characteristics of YBa ₂ Cu ₃ O _{7-δ} Grain Boundary Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	0
47	Terahertz wave modulation utilizing superconductor-metal metamaterials. , 2021, , .		0