

# Jing-Bo Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8602916/publications.pdf>

Version: 2024-02-01

47  
papers

1,447  
citations

393982

19  
h-index

329751

37  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1279  
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	Ultrafast spin current generated from an antiferromagnet. Nature Physics, 2021, 17, 388-394.	6.5	81
5	Spectral imaging of flexible terahertz coding metasurface. Applied Physics Letters, 2021, 118, .	1.5	11
6	Reconfigurable terahertz rainbow deflector. Applied Physics Letters, 2021, 118, .	1.5	7
7	Terahertz magnetoplasmon resonances in coupled cavities formed in a gated two-dimensional electron gas. Optics Express, 2021, 29, 12958.	1.7	4
8	Electrically tunable electromagnetically induced transparency in superconducting terahertz metamaterials. Applied Physics Letters, 2021, 119, 052602.	1.5	11
9	Flexible bilayer terahertz metasurface for the manipulation of orbital angular momentum states. Optics Express, 2021, 29, 33445.	1.7	8
10	Josephson Plasmon Resonance in $Tl_2Ba_2CaCu_2O_{8-x}$ High-Temperature Superconductor Tunable Terahertz Metamaterials. Advanced Functional Materials, 2021, 31, 2106891.	7.8	8
11	Real-time near-field terahertz spectroscopy imaging. , 2021, , .		5
12	Terahertz wave modulation utilizing superconductor-metal metamaterials. , 2021, , .		0
13	Vertical $NbO_x$ Josephson Junctions Controlled by In-Plane Hot-Electron Injection. Physical Review Applied, 2020, 14, .		3
14	The Effect of Magnetic Flux Focusing on the Current-Voltage Characteristics of $YBa_2Cu_3O_{7-x}$ Grain Boundary Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	0
15	Tunable and high quality factor Fano and toroidal dipole resonances in terahertz superconducting metamaterials. Materials Research Express, 2020, 7, 046001.	0.8	7
16	Liquid crystal programmable metasurface for terahertz beam steering. Applied Physics Letters, 2020, 116, .	1.5	169
17	Fano Resonance in Terahertz Superconducting $Tl_2Ba_2CaCu_2O_8$ Metamaterials. , 2019, , .		0
18	Active Control of Terahertz Waves Using Vanadium-Dioxide-Embedded Metamaterials. Physical Review Applied, 2019, 11, .	1.5	99

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A study of thermal effects in superconducting terahertz modulator by low temperature scanning laser microscope. AIP Advances, 2018, 8, .	0.6	4
22	High-Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. Advanced Theory and Simulations, 2018, 1, 1800070.	1.3	28
23	Tunable electromagnetically induced transparency from a superconducting terahertz metamaterial. Applied Physics Letters, 2017, 110, .	1.5	36
24	Mode transition in cooperative metamaterials at terahertz frequencies. Journal of Applied Physics, 2017, 121, 193101.	1.1	5
25	Electrical dynamic modulation of THz radiation based on superconducting metamaterials. Applied Physics Letters, 2017, 111, .	1.5	53
26	Broadband and high modulation-depth THz modulator using low bias controlled VO <sub>2</sub> -integrated metasurface. Optics Express, 2017, 25, 17322.	1.7	96
27	Time-domain measurement of terahertz frequency magnetoplasmon resonances in a two-dimensional electron system by the direct injection of picosecond pulsed currents. Applied Physics Letters, 2016, 108, .	1.5	10
28	Tailoring electromagnetically induced transparency effect of terahertz metamaterials on ultrathin substrate. Science China Information Sciences, 2016, 59, 1.	2.7	7
29	Excitation, detection and electrostatic manipulation of terahertz-frequency range plasmons in a two-dimensional electron system. Scientific Reports, 2015, 5, 15420.	1.6	21
30	Extraordinary terahertz transmission through subwavelength spindle-like apertures in NbN film. Chinese Physics B, 2014, 23, 014101.	0.7	1
31	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
32	Nonlinear terahertz superconducting plasmonics. Applied Physics Letters, 2014, 105, 162602.	1.5	12
33	A flexible wideband bandpass terahertz filter using multi-layer metamaterials. Applied Physics B: Lasers and Optics, 2013, 113, 285-290.	1.1	36
34	Temperature dependence of the point defect properties of GaN thin films studied by terahertz time-domain spectroscopy. Science China: Physics, Mechanics and Astronomy, 2013, 56, 2059-2064.	2.0	5
35	Terahertz narrow bandstop, broad bandpass filter using double-layer S-shaped metamaterials. Science China Information Sciences, 2013, 56, 1-7.	2.7	5
36	Terahertz nonlinear superconducting metamaterials. Applied Physics Letters, 2013, 102, .	1.5	53

#	ARTICLE	IF	CITATIONS
37	Excitation of terahertz plasmon-polariton in a grating coupled two-dimensional electron gas with a Fabry-Pérot cavity. Applied Physics Letters, 2013, 102, .	1.5	13
38	Large birefringence liquid crystal material in terahertz range. Optical Materials Express, 2012, 2, 1314.	1.6	104
39	Extraordinary Transmission through Fractal-Featured Metallic and Superconducting Films at Terahertz Frequency. Chinese Physics Letters, 2012, 29, 114101.	1.3	3
40	Extraordinary terahertz transmission in superconducting subwavelength hole array. Optics Express, 2011, 19, 1101.	1.7	26
41	Tuning of superconducting niobium nitride terahertz metamaterials. Optics Express, 2011, 19, 12021.	1.7	62
42	Self-polarizing terahertz liquid crystal phase shifter. AIP Advances, 2011, 1, .	0.6	81
43	Superconducting terahertz metamaterials mimicking electromagnetically induced transparency. Applied Physics Letters, 2011, 99, .	1.5	97
44	Low loss and magnetic field-tunable superconducting terahertz metamaterial. Optics Express, 2010, 18, 17504.	1.7	104
45	Double-side fabrication process and millimeter wave response of intrinsic Josephson junctions. Science Bulletin, 2009, 54, 873-876.	4.3	3
46	Acid etching process for fabrication of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> stack. Science Bulletin, 2007, 52, 303-306.	1.7	3
47	Terahertz Response of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> Intrinsic Josephson Junctions. , 2006, , .		0