

Zhang Yaxin

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Gbps Terahertz External Modulator Based on a Composite Metamaterial with a Double-Channel Heterostructure. <i>Nano Letters</i> , 2015, 15, 3501-3506.	4.5	180
2	Dynamic Photoinduced Controlling of the Large Phase Shift of Terahertz Waves via Vanadium Dioxide Coupling Nanostructures. <i>ACS Photonics</i> , 2018, 5, 3040-3050.	3.2	111
3	A Review of THz Modulators with Dynamic Tunable Metasurfaces. <i>Nanomaterials</i> , 2019, 9, 965.	1.9	86
4	Large phase modulation of THz wave via an enhanced resonant active HEMT metasurface. <i>Nanophotonics</i> , 2018, 8, 153-170.	2.9	75
5	High-Speed Efficient Terahertz Modulation Based on Tunable Collective-Individual State Conversion within an Active 3 nm Two-Dimensional Electron Gas Metasurface. <i>Nano Letters</i> , 2019, 19, 7588-7597.	4.5	64
6	High-precision digital terahertz phase manipulation within a multichannel field perturbation coding chip. <i>Nature Photonics</i> , 2021, 15, 751-757.	15.6	54
7	A review of terahertz phase modulation from free space to guided wave integrated devices. <i>Nanophotonics</i> , 2022, 11, 415-437.	2.9	27
8	Some Advances in Theory and Experiment of High-Frequency Vacuum Electron Devices in China. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 1971-1990.	0.6	24
9	Terahertz Switchable Focusing Planar Lens With a Nanoscale Vanadium Dioxide Integrated Metasurface. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2022, 12, 13-22.	2.0	19
10	Enhanced THz EIT resonance based on the coupled electric field dropping effect within the undulated meta-surface. <i>Nanophotonics</i> , 2019, 8, 1071-1078.	2.9	18
11	On-Chip THz Dynamic Manipulation Based on Tunable Spoof Surface Plasmon Polaritons. <i>IEEE Electron Device Letters</i> , 2019, 40, 1844-1847.	2.2	18
12	Dynamic and Active THz Graphene Metamaterial Devices. <i>Nanomaterials</i> , 2022, 12, 2097.	1.9	13
13	Terahertz smart dynamic and active functional electromagnetic metasurfaces and their applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190609.	1.6	12
14	Efficient THz On-Chip Absorption Based on Destructive Interference Between Complementary Meta-Atom Pairs. <i>IEEE Electron Device Letters</i> , 2019, 40, 1013-1016.	2.2	8
15	Terahertz meta-chip switch based on C-ring coupling. <i>Nanophotonics</i> , 2022, 11, 2037-2044.	2.9	4
16	Photocontrol Phase Shifting with Extraordinary Optical Transmission of Terahertz Waves via Vanadium Dioxide based Metasurface. , 2019, , .		3
17	Broadband Linear Phase Shifting of Terahertz Wave with Low Insertion Loss by Artificial-microstructure Phase Manipulation Chip. , 2020, , .		1
18	Terahertz Broadband RCS Reduction Enhancement by Polarization Coding Metasurface. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Terahertz Frequency Quadrupler Based on a 2Å–2 Single-chip GaAs Monolithic Integration. , 2021, , .		1
20	Terahertz Microfluidic Biosensing Platform Based on Intense Wave-matter-interaction Channels. , 2019, , .		0
21	Terahertz 1-bit digital dynamic phase programmable metasurface based on AlGaN/GaN heterostructure. , 2019, , .		0
22	Enhanced FANO Structure Based on Tip-Field-Enhancement Theory. Applied Sciences (Switzerland), 2019, 9, 5009.	1.3	0
23	Terahertz broadband independent electrically tuned phase-shifter based on metamaterial with mutual-coupling magnetic resonance. , 2019, , .		0
24	Research on Y-Band Double Grating Diffraction Radiation Oscillators. , 2019, , .		0
25	Dickson Matrix Based Construction of Linear Maximum Rank Distance Codes. IEEE Access, 2020, 8, 205495-205501.	2.6	0
26	Reconfigurable terahertz beam steering via an independently controlled microstructure embedded with diodes. , 2021, , .		0
27	The Smith-Purcell Radiation in the Grating-well Structure. , 2020, , .		0
28	A 140-GHz microstrip amplitude modulator based on Schottky Diodes. , 2021, , .		0
29	Broadband Nonuniform Terahertz Multimode Conversion Series with Compactness and Pure Pattern. Journal of Infrared, Millimeter, and Terahertz Waves, 2022, 43, 150-164.	1.2	0
30	Dual-band Trifunctional Coding Metasurfaces Based on Independent Control of Transmission and Reflection. , 2021, , .		0
31	Ultra-wideband Linear Polarization Expansions on Collectively Zigzag-like Inter-coupling Metasurfaces. , 2021, , .		0
32	Broadband Terahertz Diffuse Scattering on Convolutional Coding Metasurfaces. , 2021, , .		0
33	Ultrafast Switchable Terahertz Polarization Conversion Modulator. , 2020, , .		0
34	Digitally Steerable Terahertz Meta-HEMT Antenna. , 2020, , .		0