

Zhang Yaxin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Terahertz Switchable Focusing Planar Lens With a Nanoscale Vanadium Dioxide Integrated Metasurface. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 13-22.	2.0	19
2	Terahertz meta-chip switch based on C-ring coupling. Nanophotonics, 2022, 11, 2037-2044.	2.9	4
3	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
4	A review of terahertz phase modulation from free space to guided wave integrated devices. Nanophotonics, 2022, 11, 415-437.	2.9	27
5	Dynamic and Active THz Graphene Metamaterial Devices. Nanomaterials, 2022, 12, 2097.	1.9	13
6	High-precision digital terahertz phase manipulation within a multichannel field perturbation coding chip. Nature Photonics, 2021, 15, 751-757.	15.6	54
7	Terahertz Broadband RCS Reduction Enhancement by Polarization Coding Metasurface. , 2021, , .		1
8	Reconfigurable terahertz beam steering via an independently controlled microstructure embedded with diodes. , 2021, , .		0
9	A 140-GHz microstrip amplitude modulator based on Schottky Diodes. , 2021, , .		0
10	Terahertz Frequency Quadrupler Based on a $2\tilde{\Lambda}$ -2 Single-chip GaAs Monolithic Integration. , 2021, , .		1
11	Dual-band Trifunctional Coding Metasurfaces Based on Independent Control of Transmission and Reflection. , 2021, , .		0
12	Ultra-wideband Linear Polarization Expansions on Collectively Zigzag-like Inter-coupling Metasurfaces. , 2021, , .		0
13	Broadband Terahertz Diffuse Scattering on Convolutional Coding Metasurfaces. , 2021, , .		0
14	Broadband Linear Phase Shifting of Terahertz Wave with Low Insertion Loss by Artificial-microstructure Phase Manipulation Chip. , 2020, , .		1
15	Terahertz smart dynamic and active functional electromagnetic metasurfaces and their applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190609.	1.6	12
16	Dickson Matrix Based Construction of Linear Maximum Rank Distance Codes. IEEE Access, 2020, 8, 205495-205501.	2.6	0
17	The Smith-Purcell Radiation in the Grating-well Structure. , 2020, , .		0
18	Ultrafast Switchable Terahertz Polarization Conversion Modulator. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Digitally Steerable Terahertz Meta-HEMT Antenna. , 2020, , .		0
20	High-Speed Efficient Terahertz Modulation Based on Tunable Collective-Individual State Conversion within an Active 3 nm Two-Dimensional Electron Gas Metasurface. Nano Letters, 2019, 19, 7588-7597.	4.5	64
21	Enhanced THz EIT resonance based on the coupled electric field dropping effect within the undulated meta-surface. Nanophotonics, 2019, 8, 1071-1078.	2.9	18
22	A Review of THz Modulators with Dynamic Tunable Metasurfaces. Nanomaterials, 2019, 9, 965.	1.9	86
23	On-Chip THz Dynamic Manipulation Based on Tunable Spoof Surface Plasmon Polaritons. IEEE Electron Device Letters, 2019, 40, 1844-1847.	2.2	18
24	Efficient THz On-Chip Absorption Based on Destructive Interference Between Complementary Meta-Atom Pairs. IEEE Electron Device Letters, 2019, 40, 1013-1016.	2.2	8
25	Some Advances in Theory and Experiment of High-Frequency Vacuum Electron Devices in China. IEEE Transactions on Plasma Science, 2019, 47, 1971-1990.	0.6	24
26	Terahertz Microfluidic Biosensing Platform Based on Intense Wave-matter-interaction Channels. , 2019, , .		0
27	Terahertz 1-bit digital dynamic phase programmable metasurface based on AlGaN/GaN heterostructure. , 2019, , .		0
28	Enhanced FANO Structure Based on Tip-Field-Enhancement Theory. Applied Sciences (Switzerland), 2019, 9, 5009.	1.3	0
29	Terahertz broadband independent electrically tuned phase-shifter based on metamaterial with mutual-coupling magnetic resonance. , 2019, , .		0
30	Photocontrol Phase Shifting with Extraordinary Optical Transmission of Terahertz Waves via Vanadium Dioxide based Metasurface. , 2019, , .		3
31	Research on Y-Band Double Grating Diffraction Radiation Oscillators. , 2019, , .		0
32	Large phase modulation of THz wave via an enhanced resonant active HEMT metasurface. Nanophotonics, 2018, 8, 153-170.	2.9	75
33	Dynamic Photoinduced Controlling of the Large Phase Shift of Terahertz Waves via Vanadium Dioxide Coupling Nanostructures. ACS Photonics, 2018, 5, 3040-3050.	3.2	111
34	Gbps Terahertz External Modulator Based on a Composite Metamaterial with a Double-Channel Heterostructure. Nano Letters, 2015, 15, 3501-3506.	4.5	180