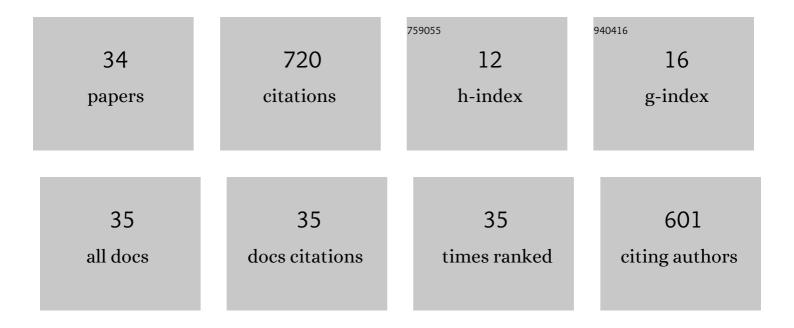
## **Zhang Yaxin**

List of Publications by Year in descending order

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ΖΗΛΝΟ ΥΛΧΙΝ

#	Article	IF	CITATIONS
1	Gbps Terahertz External Modulator Based on a Composite Metamaterial with a Double-Channel Heterostructure. Nano Letters, 2015, 15, 3501-3506.	4.5	180
2	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
3	A Review of THz Modulators with Dynamic Tunable Metasurfaces. Nanomaterials, 2019, 9, 965.	1.9	86
4	Large phase modulation of THz wave via an enhanced resonant active HEMT metasurface. Nanophotonics, 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. Nano Letters, 2019, 19, 7588-7597.	4.5	64
6	High-precision digital terahertz phase manipulation within a multichannel field perturbation coding chip. Nature Photonics, 2021, 15, 751-757.	15.6	54
7	A review of terahertz phase modulation from free space to guided wave integrated devices. Nanophotonics, 2022, 11, 415-437.	2.9	27
8	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
9	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
10	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
11	On-Chip THz Dynamic Manipulation Based on Tunable Spoof Surface Plasmon Polaritons. IEEE Electron Device Letters, 2019, 40, 1844-1847.	2.2	18
12	Dynamic and Active THz Graphene Metamaterial Devices. Nanomaterials, 2022, 12, 2097.	1.9	13
13	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
14	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
15	Terahertz meta-chip switch based on C-ring coupling. Nanophotonics, 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

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#	Article	IF	CITATIONS
19	Terahertz Frequency Quadrupler Based on a 2 $ ilde{A}$ —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, , .		Ο
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