

# Zi-Wen Zhang

## List of Publications by Year in descending order

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16  
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1684188  
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#	ARTICLE	IF	CITATIONS
1	Design of a 1 Bit Broadband Space-Time-Coding Digital Metasurface Element. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 611-615.	4.0	18
2	A Terahertz Vortex Beam Emitter With Tunable Topological Charge and Harmonic Excitation. Journal of Lightwave Technology, 2021, 39, 6231-6238.	4.6	16
3	Smithâ€™Purcell radiation from helical grating to generate wideband vortex beams. Optics Letters, 2021, 46, 4682.	3.3	11
4	A Wideband OAM Antenna Based on Chiral Harmonic Diffraction. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2290-2294.	4.0	6
5	Development of a Magnetic Cusp Gun for a 1-THz Harmonic Gyrotron. IEEE Transactions on Electron Devices, 2021, 68, 6505-6511.	3.0	6
6	Design of Double-Layer Electrically Extremely Small-Size Displacement Sensor. Sensors, 2021, 21, 4923.	3.8	5
7	Efficient magnetic-coupling excitation of LSSPs on high-Q multilayer planar-circular-grating resonators. Optics Express, 2021, 29, 25189.	3.4	5
8	Strong Dispersive Propagation of Terahertz Wave: Timeâ€™Domain Selfâ€™Consistent Modeling of Metallic Wall Losses. Advanced Theory and Simulations, 2020, 3, 1900218.	2.8	4
9	Wideband Output Brewster Window for Terahertz TWT Amplifiers Application. IEEE Microwave and Wireless Components Letters, 2021, 31, 133-136.	3.2	3
10	Fast Construction of Dual-Field Superfocusing Based on Forward-Propagation Design. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1814-1818.	4.0	1
11	Design of a 330-GHz Frequency-Tunable Gyrotron With a Prebunched Circuit. IEEE Transactions on Electron Devices, 2022, 69, 2058-2065.	3.0	1
12	Design of a 1-THz Fourth-Harmonic Gyrotron Driven by Axis-Encircling Electron Beam. IEEE Transactions on Electron Devices, 2022, 69, 3393-3399.	3.0	1
13	Design of a Metamaterial Cavity for Harmonic Terahertz Gyrotrons. , 2019, , .		0
14	Free-space scattering characterization of ultrathin reflective metasurfaces and high-Q-factor sensing methods for conductor-backed materials. Results in Physics, 2022, 35, 105386.	4.1	0
15	Free-electron-driven Vortex Smith-Purcell Radiation with Higher-order Topological Charge. , 2022, , .		0
16	Cherenkov Radiation Based on Effective Surface Plasmon Polaritons. , 2022, , .		0