

# Cheng Jin

## List of Publications by Year in descending order

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papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Cost mmWave Metallic Waveguide Based on Multilayer Integrated Vertical-EBG Structure and its Application to Slot Array Antenna Design. IEEE Transactions on Antennas and Propagation, 2022, 70, 2205-2213.	5.1	4
2	Cognitive Conformal Antenna Array Exploiting Deep Reinforcement Learning Method. IEEE Transactions on Antennas and Propagation, 2022, 70, 5094-5104.	5.1	15
3	Diffusive Reflective Metasurface With Dual Independent Reflection Bands for RCS Reduction. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 635-639.	4.0	7
4	Amplitude and Phase Independently Adjustable Transmitarray Aperture and Its Applications to High Gain and Low Sidelobe Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 4498-4506.	5.1	9
5	Design of a polarization-insensitive three dimensional microwave absorber for ultra-wideband RCS reduction. Microwave and Optical Technology Letters, 2022, 64, 665-669.	1.4	2
6	Ultra-Wide-Scanning Conformal Heterogeneous Phased Array Antenna Based on Deep Deterministic Policy Gradient Algorithm. IEEE Transactions on Antennas and Propagation, 2022, 70, 5066-5077.	5.1	10
7	High-Gain and Low-Loss Dual-Polarized Antenna Array With Reduced Sidelobe Level Based on Gap Waveguide at 28 GHz. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1022-1026.	4.0	10
8	Ultrawide-Angle Ultralow-Reflection Phenomenon for Transverse Electric Mode in Anisotropic Metasurface. Advanced Optical Materials, 2022, 10, .	7.3	7
9	Wideband ridge gap waveguide slot array antenna with low sidelobe and high-gain characteristics. Microwave and Optical Technology Letters, 2022, 64, 565-570.	1.4	5
10	Integrated Low-Profile Low Radar Cross Section Circularly Polarized Dipole Antenna Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 8461-8469.	5.1	10
11	Unequal Power Divider Based on Inverted Microstrip Gap Waveguide and Its Application for Low Sidelobe Slot Array Antenna at 39 GHz. IEEE Transactions on Antennas and Propagation, 2021, 69, 8415-8425.	5.1	12
12	Wideband Low RCS Antenna Based on Hybrid Absorptive-Diffusive Frequency Selective Reflector. IEEE Access, 2021, 9, 77863-77872.	4.2	9
13	Solitary beam propagation in periodic layered Kerr media enables high-efficiency pulse compression and mode self-cleaning. Light: Science and Applications, 2021, 10, 53.	16.6	29
14	A right-handed circularly polarized array antenna based on gap waveguide technology at 35 GHz. Microwave and Optical Technology Letters, 2021, 63, 1955-1959.	1.4	5
15	Hybrid Absorptive-Diffusive Frequency Selective Radome. IEEE Transactions on Antennas and Propagation, 2021, 69, 3312-3321.	5.1	40
16	Low-RCS and Wideband Reflectarray Antenna With High Radiation Efficiency. IEEE Transactions on Antennas and Propagation, 2021, 69, 4212-4216.	5.1	14
17	Dual-polarized frequency selective absorber with dual absorption bands. Microwave and Optical Technology Letters, 2021, 63, 2745-2750.	1.4	0
18	Ultra-Wide-Angle Bandpass Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2021, 69, 5673-5681.	5.1	26

#	ARTICLE	IF	CITATIONS
19	W-band Slot Array Antenna with Low Sidelobe Levels Based on Gap Waveguide for Vehicle Radars and Detections. , 2021, , .		0
20	A Low-Cost Millimeter-Wave High-Gain Slot Antenna Array Fed by Multilayer Waveguide. , 2021, , .		0
21	Combined Triangle Quarter-Wavelength Patches and Their Application to High-Gain CP Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 104-108.	4.0	5
22	An inline waveguideâ€”microstrip transition for wideband millimeterâ€”wave applications. Microwave and Optical Technology Letters, 2020, 62, 1516-1520.	1.4	2
23	Low-Profile Broadband Absorber Based on Multimode Resistor-Embedded Metallic Strips. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 835-843.	4.6	65
24	Variable High Precision Wide D-Band Phase Shifter. IEEE Access, 2020, 8, 140438-140444.	4.2	13
25	Multi-Resonant Modes on Resistor-Loaded Metal Strip and Its Application on Absorptive Frequency-Selective Structures. , 2020, , .		0
26	Integrated-EBG Ridge Waveguide and Its Application to an E-Band Waveguide 32Ã—32 Slot Array Antenna. IEEE Open Journal of Antennas and Propagation, 2020, 1, 456-463.	3.7	5
27	Integrated Frequency Selective Surface and Antenna Printed on a Transparent Substrate. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2062-2066.	4.0	14
28	Design of Frequency-Scanned Multi-Polarization Antenna Based on Polarization Rotator. , 2020, , .		1
29	Dual-Band Diffusive Metasurface-Based Reflector With Low Out-of-Band Backscattering. IEEE Access, 2020, 8, 217196-217203.	4.2	4
30	Design of Wideband Absorber Based on Dual-Resistor-Loaded Metallic Strips. International Journal of Antennas and Propagation, 2020, 2020, 1-8.	1.2	4
31	Frequency-Scanning Multipolarization Antennas. IEEE Transactions on Antennas and Propagation, 2020, 68, 7245-7254.	5.1	7
32	Absorptive Frequency-Selective Reflector Based on Bent Metallic Strip Embedded With Chip-Resistor. IEEE Transactions on Antennas and Propagation, 2020, 68, 5736-5741.	5.1	23
33	Aperture Antenna Embedded Notched Parallel Plate Waveguide and Its Application to Dual-Polarized 3-D Absorptive Frequency-Selective Transmission Structure. IEEE Access, 2020, 8, 94833-94841.	4.2	11
34	Design and Analyze of Metal Only Bandpass Frequency Selective Surface Based on Cavities. , 2020, , .		1
35	A W-Band Circular Box-Horn Antenna Array Radiating Sum and Difference Beams With Suppressed Sidelobe. IEEE Transactions on Antennas and Propagation, 2019, 67, 5934-5942.	5.1	13
36	Wide-Passband Dual-Polarized Elliptic Frequency Selective Surface. IEEE Access, 2019, 7, 55833-55840.	4.2	21

#	ARTICLE	IF	CITATIONS
37	Wideband and Ultrathin Absorber Using Frequency Selective Surfaces. , 2019, , .		2
38	Noncontact Detection of Heartbeat and Respiratory Rate via 77GHz Radar Based on Adaptive Double Sliding-Time Window Algorithm. , 2019, , .		0
39	Random Body Movement Cancellation Method for FMCW Radar Vital Sign Detection. , 2019, , .		5
40	Method of multichannel calibration for unmanned aerial vehicle surveillance radar. Journal of Engineering, 2019, 2019, 7864-7867.	1.1	0
41	Implementation architecture of signal processing in pulse Doppler radar system based on FPGA. Journal of Engineering, 2019, 2019, 7335-7338.	1.1	3
42	Dual-Band Dual-Polarized Quasi-Elliptic Frequency Selective Surfaces. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 298-302.	4.0	24
43	A Novel Wideband Frequency Selective Surface Design based on Cascaded Patch Resonators with a Slotted Ground. , 2018, , .		4
44	Design of a Balanced Antenna for the ISM-Band Wireless Capsule Endoscope System. , 2018, , .		0
45	A Wide Passband Frequency Selective Surface with Quasi-Elliptic Response. , 2018, , .		0
46	Dual-Polarized Frequency-Selective Surface With Two Transmission Zeros Based on Cascaded Ground Apertured Annular Ring Resonators. IEEE Transactions on Antennas and Propagation, 2018, 66, 4077-4085.	5.1	19
47	$K_{\infty}$ -band circularly polarized leaky-wave antenna based on lateral sparse substrate integrated waveguide for satellite communication. , 2017, , .		2
48	Capped Dielectric Inserted Perforated Metallic Plate Bandpass Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2017, 65, 7129-7136.	5.1	23
49	Wideband single layer UHF antenna based on embedded notch feeding dipole with load bar for SAW sensor. , 2017, , .		0
50	Robust adaptive beamforming based on phase extraction. , 2016, , .		0
51	A robust adaptive beamformer based on desired signal covariance matrix estimation. , 2016, , .		6
52	W-band substrate integrated waveguide filter with cross-coupling. , 2015, , .		0
53	Compact triple-mode filter based on quarter-mode substrate integrated waveguide. , 2015, , .		3
54	Trisection bandpass filter based on quarter-mode substrat integrated waveguide. , 2015, , .		0

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55	Built-in-Self-Test-Stacked 3-D Ring Oscillator Based on Through Silicon Vias. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 217-224.	2.5	2
56	Integrated Passive Devices on Through Silicon Interposer with Re-distribution Layers. , 2014, , .		3
57	Compact Circularly Polarized Antenna Based on Quarter-Mode Substrate Integrated Waveguide Sub-Array. IEEE Transactions on Antennas and Propagation, 2014, 62, 963-967.	5.1	52
58	Built-in-self-test 3-D ring oscillator for stacked 3DIC. , 2014, , .		0
59	Fast Location of Opens in TSV-Based 3-D Chip Using Simple Resistor Chain. IEEE Transactions on Electron Devices, 2014, 61, 2584-2587.	3.0	1
60	Self-Shielded Circularly Polarized Antenna-in-Package Based on Quarter Mode Substrate Integrated Waveguide Subarray. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 392-399.	2.5	18
61	Low Loss Suspended Membrane on Low Resistivity Silicon and Its Applications to Millimetre-Wave Passive Circuits. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 1237-1244.	2.5	5
62	Quarter-Mode Substrate Integrated Waveguide and Its Application to Antennas Design. IEEE Transactions on Antennas and Propagation, 2013, 61, 2921-2928.	5.1	198