

Yu Jian Cheng

List of Publications by Year in descending order

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194
docs citations

194
times ranked

3080
citing authors

#	ARTICLE	IF	CITATIONS
1	Multibeam Antenna Technologies for 5G Wireless Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6231-6249.	5.1	753
2	Millimeter-Wave Substrate Integrated Waveguide Long Slot Leaky-Wave Antennas and Two-Dimensional Multibeam Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 40-47.	5.1	217
3	94 GHz Substrate Integrated Monopulse Antenna Array. IEEE Transactions on Antennas and Propagation, 2012, 60, 121-129.	5.1	215
4	Substrate Integrated Waveguide (SIW) Rotman Lens and Its Ka-Band Multibeam Array Antenna Applications. IEEE Transactions on Antennas and Propagation, 2008, 56, 2504-2513.	5.1	193
5	Broadband Self-Compensating Phase Shifter Combining Delay Line and Equal-Length Unequal-Width Phaser. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 203-210.	4.6	167
6	W-Band Large-Scale High-Gain Planar Integrated Antenna Array. IEEE Transactions on Antennas and Propagation, 2014, 62, 3370-3373.	5.1	163
7	Substrate-Integrated Millimeter-Wave and Terahertz Antenna Technology. Proceedings of the IEEE, 2012, 100, 2219-2232.	21.3	149
8	A Dual-Band Shared-Aperture Antenna With Large Frequency Ratio, High Aperture Reuse Efficiency, and High Channel Isolation. IEEE Transactions on Antennas and Propagation, 2019, 67, 853-860.	5.1	145
9	A Wideband High-Gain High-Efficiency Hybrid Integrated Plate Array Antenna for V-Band Inter-Satellite Links. IEEE Transactions on Antennas and Propagation, 2015, 63, 1225-1233.	5.1	141
10	Single-Layer Dual-Band Linear-to-Circular Polarization Converter With Wide Axial Ratio Bandwidth and Different Polarization Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 4296-4301.	5.1	139
11	Millimeter-Wave Wideband High-Efficiency Circularly Polarized Planar Array Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 535-542.	5.1	137
12	Millimeter-Wave Half Mode Substrate Integrated Waveguide Frequency Scanning Antenna With Quadri-Polarization. IEEE Transactions on Antennas and Propagation, 2010, 58, 1848-1855.	5.1	135
13	Millimeter-Wave Multibeam Antenna Based on Eight-Port Hybrid. IEEE Microwave and Wireless Components Letters, 2009, 19, 212-214.	3.2	128
14	Frequency- and Pattern-Reconfigurable Antenna for Multistandard Wireless Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 333-336.	4.0	109
15	60-GHz LTCC Miniaturized Substrate Integrated Multibeam Array Antenna With Multiple Polarizations. IEEE Transactions on Antennas and Propagation, 2013, 61, 5958-5967.	5.1	108
16	94 GHz Substrate Integrated Waveguide Dual-Circular-Polarization Shared-Aperture Parallel-Plate Long-Slot Array Antenna With Low Sidelobe Level. IEEE Transactions on Antennas and Propagation, 2017, 65, 5855-5861.	5.1	108
17	Multimode Decoupling Technique With Independent Tuning Characteristic for Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2017, 65, 6739-6751.	5.1	106
18	Millimeter-Wave Substrate Integrated Waveguide Multibeam Antenna Based on the Parabolic Reflector Principle. IEEE Transactions on Antennas and Propagation, 2008, 56, 3055-3058.	5.1	103

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19	Millimeter-Wave Shaped-Beam Substrate Integrated Conformal Array Antenna. IEEE Transactions on Antennas and Propagation, 2013, 61, 4558-4566.	5.1	102
20	Design of a Monopulse Antenna Using a Dual V-Type Linearly Tapered Slot Antenna (DVL TSA). IEEE Transactions on Antennas and Propagation, 2008, 56, 2903-2909.	5.1	98
21	A Tri-Band Shared-Aperture Antenna for (2.4, 5.2) GHz Wi-Fi Application With MIMO Function and 60 GHz Wi-Gig Application With Beam-Scanning Function. IEEE Transactions on Antennas and Propagation, 2020, 68, 1973-1981.	5.1	93
22	Ka-Band Near-Field-Focused 2-D Steering Antenna Array With a Focused Rotman Lens. IEEE Transactions on Antennas and Propagation, 2018, 66, 5204-5213.	5.1	89
23	A Compact and Low-Profile Loop Antenna With Six Resonant Modes for LTE Smartphone. IEEE Transactions on Antennas and Propagation, 2016, 64, 3743-3751.	5.1	84
24	Frequency Selective Surface With Miniaturized Elements Based on Quarter-Mode Substrate Integrated Waveguide Cavity With Two Poles. IEEE Transactions on Antennas and Propagation, 2016, 64, 914-922.	5.1	82
25	Ku/Ka Dual-Band Dual-Polarized Shared-Aperture Beam-Scanning Antenna Array With High Isolation. IEEE Transactions on Antennas and Propagation, 2019, 67, 2413-2422.	5.1	75
26	A Wideband Dual Circularly Polarized Full-Corporate Waveguide Array Antenna Fed by Triple-Resonant Cavities. IEEE Transactions on Antennas and Propagation, 2017, 65, 2135-2139.	5.1	73
27	Power Handling Capability of Substrate Integrated Waveguide Interconnects and Related Transmission Line Systems. IEEE Transactions on Advanced Packaging, 2008, 31, 900-909.	1.6	71
28	Wideband and Wide-Angle Single-Layered-Substrate Linear-to-Circular Polarization Metasurface Converter. IEEE Transactions on Antennas and Propagation, 2020, 68, 1186-1191.	5.1	70
29	Half Mode Substrate Integrated Waveguide (HMSIW) Directional Filter. IEEE Microwave and Wireless Components Letters, 2007, 17, 504-506.	3.2	69
30	Broadband Printed-Circuit-Board Characterization Using Multimode Substrate-Integrated-Waveguide Resonator. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2145-2152.	4.6	64
31	A Metamaterial-Based S/X -Band Shared-Aperture Phased-Array Antenna With Wide Beam Scanning Coverage. IEEE Transactions on Antennas and Propagation, 2020, 68, 4283-4292.	5.1	64
32	Millimeter-Wave Miniaturized Substrate Integrated Multibeam Antenna. IEEE Transactions on Antennas and Propagation, 2011, 59, 4840-4844.	5.1	62
33	A Highly Integrated MIMO Antenna Unit: Differential/Common Mode Design. IEEE Transactions on Antennas and Propagation, 2019, 67, 6724-6734.	5.1	61
34	Millimeter-Wave Low Temperature Co-Fired Ceramic Leaky-Wave Antenna and Array Based on the Substrate Integrated Image Guide Technology. IEEE Transactions on Antennas and Propagation, 2014, 62, 669-676.	5.1	60
35	Shared-Aperture Variable Inclination Continuous Transverse Stub Antenna Working at K - and Ka -Bands for Mobile Satellite Communication. IEEE Transactions on Antennas and Propagation, 2020, 68, 6656-6666.	5.1	55
36	Wideband and Dual-Band High-Gain Substrate Integrated Antenna Array for E-Band Multi-Gigahertz Capacity Wireless Communication Systems. IEEE Transactions on Antennas and Propagation, 2014, 62, 4602-4611.	5.1	53

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37	D-Band High-Gain Circular-Polarized Plate Array Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 1280-1287.	5.1	52
38	Compact substrate-integrated waveguide bandpass rat-race coupler and its microwave applications. IET Microwaves, Antennas and Propagation, 2012, 6, 1000.	1.4	51
39	Ka-Band Near-Field-Focused Array Antenna with Variable Focal Point. IEEE Transactions on Antennas and Propagation, 2016, 64, 1725-1732.	5.1	51
40	Planar Ultra-Wideband and Wide-Scanning Dual-Polarized Phased Array With Integrated Coupled-Marchand Balun for High Polarization Isolation and Low Cross-Polarization. IEEE Transactions on Antennas and Propagation, 2021, 69, 7134-7144.	5.1	51
41	<i>Ka</i>-Band Wideband Large Depth-of-Field Beam Generation Through a Phase Shifting Surface Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 5038-5045.	5.1	50
42	Proactive Conformal Antenna Array for Near-Field Beam Focusing and Steering Based on Curved Substrate Integrated Waveguide. IEEE Transactions on Antennas and Propagation, 2019, 67, 2354-2363.	5.1	50
43	W-Band Characterizations of Printed Circuit Board Based on Substrate Integrated Waveguide Multi-Resonator Method. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 599-606.	4.6	48
44	High-Efficiency and High-Polarization Separation Reflectarray Element for OAM-Folded Antenna Application. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1357-1360.	4.0	48
45	Novel Substrate Integrated Waveguide fixed phase shifter for 180-degree Directional Coupler. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	43
46	Near-Field Pattern Synthesis for Sparse Focusing Antenna Arrays Based on Bayesian Compressive Sensing and Convex Optimization. IEEE Transactions on Antennas and Propagation, 2018, 66, 5249-5257.	5.1	43
47	Millimetre-wave monopulse antenna incorporating substrate integrated waveguide phase shifter. IET Microwaves, Antennas and Propagation, 2008, 2, 48-52.	1.4	42
48	Wideband Quasi-Nondiffraction Beam With Accurately Controllable Propagating Angle and Depth-of-Field. IEEE Transactions on Antennas and Propagation, 2017, 65, 5035-5042.	5.1	42
49	Conical Conformal Shaped-Beam Substrate-Integrated Waveguide Slot Array Antenna With Conical-to-Cylindrical Transition. IEEE Transactions on Antennas and Propagation, 2017, 65, 4048-4056.	5.1	41
50	Design of a substrate integrated waveguide modified R-KR lens for millimetre-wave application. IET Microwaves, Antennas and Propagation, 2010, 4, 484.	1.4	39
51	Substrate integrated waveguide (SIW) broadband compensating phase shifter. , 2009, , .		38
52	SUBSTRATE INTEGRATED WAVEGUIDE FREQUENCY-AGILE SLOT ANTENNA AND ITS MULTIBEAM APPLICATION. Progress in Electromagnetics Research, 2012, 130, 153-168.	4.4	37
53	<i>V</i>-Band Wideband Circularly Polarized Endfire Multibeam Antenna With Wide Beam Coverage. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1616-1620.	4.0	36
54	Dual-Band Miniaturized Linear-to-Circular Metasurface Polarization Converter With Wideband and Wide-Angle Axial Ratio. IEEE Transactions on Antennas and Propagation, 2021, 69, 9021-9025.	5.1	36

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55	SIW-Like Guided Wave Structures and Applications. IEICE Transactions on Electronics, 2009, E92-C, 1111-1123.	0.6	32
56	D -Band Wideband Air-Filled Plate Array Antenna With Multistage Impedance Matching Based on MEMS Micromachining Technology. IEEE Transactions on Antennas and Propagation, 2020, 68, 4502-4511.	5.1	32
57	A Hybrid Guided-Wave Structure of Half Mode Substrate Integrated Waveguide and Conductor-Backed SlotLine and its Application in Directional Couplers. IEEE Microwave and Wireless Components Letters, 2011, 21, 65-67.	3.2	31
58	Broadband Low-Cost Reflectarray Using Modified Double-Square Loop Loaded by Spiral Stubs. IEEE Transactions on Antennas and Propagation, 2015, 63, 4224-4229.	5.1	30
59	An S - and V -Band Dual-Polarized Antenna Based on Dual-Degenerate-Mode Feeder for Large Frequency Ratio Shared-Aperture Wireless Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 8127-8132.	5.1	30
60	Narrowband Substrate Integrated Waveguide Isolators. IEEE Microwave and Wireless Components Letters, 2014, 24, 698-700.	3.2	29
61	Generating and 2-D Steering Large Depth-of-Field Beam by Leaky-Wave Antenna Array With a Modified Parabolic Reflector. IEEE Transactions on Antennas and Propagation, 2020, 68, 2779-2787.	5.1	28
62	A Dual Circular-Polarized Extremely Thin Monopulse Feeder at W -Band for Prime Focus Reflector Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 231-235.	4.0	27
63	12-GHz Rotary Joint With Substrate Integrated Waveguide Feeder. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1508-1514.	4.6	25
64	A dual polarization, broadband, millimeter-wave reflectarray using modified cross loop element. Microwave and Optical Technology Letters, 2014, 56, 287-293.	1.4	24
65	Millimeter-Wave Single-Layer Wideband High-Gain Reflectarray Antenna With Ability of Spatial Dispersion Compensation. IEEE Transactions on Antennas and Propagation, 2018, 66, 6862-6868.	5.1	24
66	Multimode substrate integrated waveguide H-plane monopulse feed. Electronics Letters, 2008, 44, 78.	1.0	22
67	A COMPACT MULTILAYER DUAL-MODE SUBSTRATE INTEGRATED CIRCULAR CAVITY (SICC) FILTER FOR X-BAND APPLICATION. Progress in Electromagnetics Research, 2012, 122, 453-465.	4.4	21
68	LTCC-Based Substrate Integrated Image Guide and Its Transition to Conductor-Backed Coplanar Waveguide. IEEE Microwave and Wireless Components Letters, 2013, 23, 450-452.	3.2	20
69	140 GHz Frequency Selective Surface Based on Hexagon Substrate Integrated Waveguide Cavity Using Normal PCB Process. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 489-492.	4.0	20
70	W -Band Hybrid Unequal Feeding Network of Waveguide and Substrate Integrated Waveguide for High Efficiency and Low Sidelobe Level Slot Array Antenna Application. International Journal of Antennas and Propagation, 2017, 2017, 1-8.	1.2	19
71	Generating and Steering Quasi-Nondiffractive Beam by Near-Field Planar Risley Prisms. IEEE Transactions on Antennas and Propagation, 2020, 68, 7767-7776.	5.1	19
72	Substrate Integrated Slot Array Antenna with Required Radiation Pattern Envelope. International Journal of Antennas and Propagation, 2016, 2016, 1-4.	1.2	18

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73	Two-Dimensional Near-Field Focusing Folded Reversely Fed Leaky-Wave Antenna Array With High Radiation Efficiency. IEEE Transactions on Antennas and Propagation, 2019, 67, 4560-4569.	5.1	18
74	A NOVEL MULTILAYER DUAL-MODE SUBSTRATE INTEGRATED WAVEGUIDE COMPLEMENTARY FILTER WITH CIRCULAR AND ELLIPTIC CAVITIES (SICC AND SIEC). Progress in Electromagnetics Research, 2012, 127, 173-188.	4.4	17
75	Dual-Polarized Wideband Plate Array Antenna With High Polarization Isolation and Low Cross-Polarization for D-Band High-Capacity Wireless Application. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2023-2027.	4.0	17
76	Millimeter-Wave Near-Field-Focused Full 2-D Frequency Scanning Antenna Array With Height-Modulated-Ridge Waveguide. IEEE Transactions on Antennas and Propagation, 2021, 69, 2595-2604.	5.1	17
77	Surface-Loaded Ferrite Substrate Integrated Waveguide Switch. IEEE Microwave and Wireless Components Letters, 2015, 25, 232-234.	3.2	16
78	A Wideband Low-Profile Monopulse Feeder Based on Silicon Micromachining Technology for W-Band High-Resolution System. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1676-1680.	4.0	16
79	A K _a -Band High Interference-Rejection GaAs Low-Noise Amplifier Using Multizero Control Method for Satellite Communication. IEEE Microwave and Wireless Components Letters, 2020, 30, 1069-1072.	3.2	16
80	MINIATURIZED MULTILAYER FOLDED SUBSTRATE INTEGRATED WAVEGUIDE BUTLER MATRIX. Progress in Electromagnetics Research C, 2011, 21, 45-58.	0.9	15
81	Ka/W Dual-Band Reflectarray Antenna for Dual Linear Polarization. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1301-1304.	4.0	15
82	Ka-Band Low-Sidelobe-Level Slot Array Leaky-Wave Antenna Based on Substrate Integrated Nonradiative Dielectric Waveguide. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3075-3078.	4.0	15
83	Low-Sidelobe-Level Short Leaky-Wave Antenna Based on Single-Layer PCB-Based Substrate-Integrated Image Guide. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1519-1523.	4.0	15
84	Dual-Band Shared-Aperture Two-Dimensional Phased Array Antenna With Wide Bandwidth of 25.0% and 11.4% at Ku- and Ka-Band. IEEE Transactions on Antennas and Propagation, 2022, 70, 7468-7477.	5.1	15
85	A W-Band Low-Profile Dual-Polarized Reflectarray With Integrated Feed for In-Band Full-Duplex Application. IEEE Transactions on Antennas and Propagation, 2021, 69, 7222-7230.	5.1	14
86	Dual-Band Shared-Aperture High-Efficiency Reflectarray Antenna Based on Structure-Reuse Technique. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 366-370.	4.0	13
87	Wideband and Wide-Angle FSS Using Loop Slotted Hybrid Quarter-Mode Substrate Integrated Cavity With Two Independently Controllable Poles. IEEE Transactions on Antennas and Propagation, 2020, 68, 8221-8226.	5.1	12
88	A broadband high-gain planar array antenna for V-band wireless communication. , 2014, , .		11
89	QUADRI-FOLDED SUBSTRATE INTEGRATED WAVEGUIDE CAVITY AND ITS MINIATURIZED BANDPASS FILTER APPLICATIONS. Progress in Electromagnetics Research C, 2011, 23, 1-14.	0.9	10
90	Mechanically pattern reconfigurable dual-band antenna with omnidirectional/directional pattern for 2.4/5GHz WLAN application. Microwave and Optical Technology Letters, 2017, 59, 2526-2531.	1.4	10

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91	Height Reduced Concave Sector-Cut Spherical Conformal Phased Array Antenna Based on Distributed Aperture Synthesis. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 6509-6517.	5.1	10
92	Frequency- Agile Butler matrix with good interference suppression for multiple radio wireless platforms. <i>IET Microwaves, Antennas and Propagation</i> , 2013, 7, 563-568.	1.4	9
93	Rotary Joint Perpendicularly Fed by a Substrate Integrated Waveguide Feeder. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 3761-3768.	4.6	9
94	Direct extraction method of HEMT switch small-signal model with multiparasitic capacitive current path. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21690.	1.2	9
95	A High-Efficiency 28 GHz/39 GHz Dual-Band Power Amplifier MMIC for 5G Communication. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 1227-1230.	3.2	9
96	A C -Band High-Efficiency Power Amplifier MMIC With Second-Harmonic Control in 0.25 μm GaN HEMT Technology. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 1303-1306.	3.2	9
97	Wideband dual-polarized planar array antenna for K -band wireless communication. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 2377-2381.	1.4	8
98	Substrate Integrated Waveguide Slot Array Antenna to Generate Bessel Beam With High Transverse Linear Polarization Purity. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 750-755.	5.1	8
99	THz 2-D Frequency Scanning Planar Integrated Array Antenna With Improved Efficiency. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 983-987.	4.0	8
100	Design of a multimode beamforming network based on the scattering matrix analysis. <i>Science in China Series F: Information Sciences</i> , 2009, 52, 1258-1265.	1.1	7
101	Frequency-reconfigurable TM_{010} -mode reentrant cylindrical cavity for microwave material processing. <i>Journal of Electromagnetic Waves and Applications</i> , 2013, 27, 605-614.	1.6	7
102	Isolation Enhancement for W-Band Coplanar Array Antennas Based on Silicon Micromachining Technology. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1744-1748.	4.0	7
103	Synthesis of Sparse Near-Field Focusing Antenna Arrays With Accurate Control of Focal Distance by Reweighted l_1 Norm Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 3010-3014.	5.1	7
104	Low-Sidelobe-Level Circularly Polarized Short Leaky-Wave Antenna With A-Shaped Element Based on Substrate Integrated Image Guide. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022, 21, 272-276.	4.0	7
105	Proactive Conformal Waveguide Slot Array Antenna to Synthesize Cosecant Squared Pattern Based on 3-D Printing Manufacturing Process. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 6627-6634.	5.1	7
106	Synthesis of Difference Patterns for 3-D Conformal Beam-Scanning Arrays With Asymmetric Radiation Aperture. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 8040-8050.	5.1	7
107	Ultrawideband, Low-Profile, and Low-RCS Conformal Phased Array With Capacitance-Integrated Balun and Multifunctional Meta-Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 7448-7457.	5.1	7
108	A two-dimensional multibeam array antenna based on substrate integrated waveguide technology. , 2008, , .		6

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109	DIRECTIONAL COUPLER WITH GOOD RESTRAINT OUTSIDE THE PASSBAND AND ITS FREQUENCY-AGILE APPLICATION. Progress in Electromagnetics Research, 2013, 135, 759-771.	4.4	6
110	A dual-band linear-to-circular polarization converter with robustness under oblique incidences. Microwave and Optical Technology Letters, 2021, 63, 361-366.	1.4	6
111	LEO Satellite Multibeam Coverage Area Division and Beamforming Method. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2115-2119.	4.0	6
112	Investigation on Tolerances of Substrate Integrated Waveguide (SIW)., 2007, , .		5
113	Miniaturized half mode substrate integrated waveguide cavity resonator and filter with good spurious suppression. Journal of Electromagnetic Waves and Applications, 2013, 27, 396-404.	1.6	5
114	Low cost single layer dualband dual linear polarization reflectarray antenna. , 2015, , .		5
115	A Proactive Conformal Waveguide Slot Array Antenna With Cosecant Square Beam. , 2020, , .		5
116	K/Ka Dual-Band Dual-Circular-Polarized Coplanar Phased Array Antenna with High Isolation for Satellite Communication. , 2020, , .		5
117	A Ka-Band Watt-Level High-Efficiency Integrated Doherty Power Amplifier in GaAs Technology. , 2021, , .		5
118	Millimeter-wave reconfigurable antenna with polarization and angle diversity. , 2009, , .		4
119	Design of a novel broadband compact dual polarized horn. , 2013, , .		4
120	W-band characterization of dielectric constant and loss tangent based on substrate integrated non-radiating dielectric guide resonator method. , 2014, , .		4
121	Planar parallel-plate waveguide continuous transverse stub antenna array fed by substrate integrated waveguide divider. , 2015, , .		4
122	<i>W</i> -Band Low-SLL Size-Reduction Microwaveguide Array Antenna Using TE ₁₂₀ -Mode-Cavity Dual-Layer Power Divider. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2146-2150.	4.0	4
123	Compact substrate integrated waveguide ratâ€face filtering couplers with arbitrary angular interval between ports. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22168.	1.2	4
124	A Dual-layer Ku/Ka Dual-Band Shared-Aperture Reflectarray Antenna Based on Structure-Reuse Technique. , 2021, , .		4
125	Ku/Ka Wide-Band Dual-Band Dual-Polarized Shared-Aperture Phased Array Antenna with High Aperture Efficiency. , 2021, , .		4
126	FERRITE-LOADED HALF MODE SUBSTRATE INTEGRATED WAVEGUIDE PHASE SHIFTER. Progress in Electromagnetics Research Letters, 2014, 47, 85-90.	0.7	3

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127	A single layer wideband differential-fed patch antenna array with SIW feeding networks. , 2014, , .		3
128	Large depth-of-field wideband pseudo-Bessel beam antenna. , 2016, , .		3
129	A K-band dual-polarized antenna with high isolation and low cross-polarization. , 2016, , .		3
130	W-Band High-Efficiency Wideband Planar Array Antenna Based on MEMS Micromachining Technology. , 2018, , .		3
131	Near-field focused reflectarray antenna at 140 GHz. , 2018, , .		3
132	An S/X Dual-Band Shared-Aperture Phased Array Antenna. , 2019, , .		3
133	A Low-Profile Distributed Conformal Phased Array Antenna with Hemispherical Beam Coverage. , 2020, , .		3
134	Millimeter-wave substrate integrated waveguide multibeam antenna based on the modified R-KR lens. , 2008, , .		2
135	Low-sidelobe conformal antenna array based on substrate integrated waveguide technology. , 2013, , .		2
136	A novel multilayer e-plane half-mode substrate integrated waveguide (HMSIW) 3-dB coupler with improved out-of-band rejection. , 2016, , .		2
137	Circularly-polarized, unidirectional antennas for simultaneous transmit and receive (STAR) applications. , 2017, , .		2
138	A high frequency ratio quadri-band frequency independently tunable antenna with spurious mode suppression. Microwave and Optical Technology Letters, 2018, 60, 1445-1452.	1.4	2
139	A design of K/Ka dual-band shared-aperture array antenna with high isolation. , 2018, , .		2
140	Investigation of sparse near-field focusing array antenna with different topologies. IET Microwaves, Antennas and Propagation, 2019, 13, 1782-1787.	1.4	2
141	A Beamforming Method Based on Multi-Variable Optimization for High-Frequency Wide-Angle-Scan High-Gain Array-Fed Reflector Antenna. , 2019, , .		2
142	HEMT Small-Signal Modelling for Voltage-Controlled Attenuator Applications. , 2019, , .		2
143	325-400 GHz 2-D Beam Steering Antenna Based on MEMS Micromachining Technology. , 2020, , .		2
144	Dual-Polarized Ku-band and Single-Polarized Ka-Band Shared-Aperture Phased Array Antenna. , 2021, , .		2

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145	Three-Dimensional Interconnection With Magnetically Coupled Transition for W-Band Integration Applications. IEEE Transactions on Microwave Theory and Techniques, 2023, 71, 112-121.	4.6	2
146	A Sparse Array for 77 GHz 4D High-Resolution Imaging Radar Based on Entropy Model and Convex Optimization. , 2021, , .		2
147	Multibeam antennas for next generation mobile communications and mobile satellite communications. , 2008, , .		1
148	A frequency reconfigurable microwave reaction cavity based on a quarter-wave coaxial cavity resonator. , 2012, , .		1
149	A large-scale substrate integrated waveguide slot array antenna with good matching characteristic. , 2013, , .		1
150	Design of a near-field-focused substrate integrated planar array antenna. , 2014, , .		1
151	Design of a power divider for millimeter wavelength applications. , 2015, , .		1
152	Advances in Low-Profile Antennas in Wireless Communications 2015. International Journal of Antennas and Propagation, 2015, 2015, 1-2.	1.2	1
153	Ferrite-loaded substrate integrated waveguide frequency-agile bandpass filter. , 2015, , .		1
154	A Modeling Method for Small Packing Particles in Electromagnetic Simulation. International Journal of Antennas and Propagation, 2016, 2016, 1-7.	1.2	1
155	2016 IEEE MTT-S International Microwave Workshop Series on Advanced Materials and Processes for RF and THz Applications [Conference Reports]. IEEE Microwave Magazine, 2017, 18, 100-102.	0.8	1
156	Near-Field Beam Focusing and Steering Generator Based on 3D Curved Substrate Integrated Waveguide. , 2018, , .		1
157	140 GHz Linear to Circular Polarization Converter Based on Modified Cross Slot Frequency Selective Surface with High Selectivity. , 2018, , .		1
158	Synthesis of Sparse Near-Field Focusing Antenna Arrays Based on Bayesian Compressive Sensing. , 2018, , .		1
159	Near-Field Beam Focusing and Steering Generator Based on 3D Curved Substrate Integrated Waveguide. , 2018, , .		1
160	Performance Comparison and Selection Criterion of Sparse Array for Near-Field Focusing. , 2018, , .		1
161	A K/Ka Dual-Band Shared-Aperture High Efficiency Reflectarray Antenna Based on Structure-Reuse Technique. , 2019, , .		1
162	3D Beamforming Method for Near-Field-Focused Active Phased Array: 3D Scanning and 3D Polarization Manipulating. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
163	SIW Slot Array Antenna with Non-Alternating Slot Placement for Impedance Bandwidth Enhancement. , 2020, , .		1
164	Design of Ku-Band Bi-Directional Wideband Active Phase Shifter Using Reconfigurable Network. , 2021, , .		1
165	Ku/Ka-Band Shared-Aperture Phased Array Antenna with Feedline Perpendicular to Radiation Aperture. , 2021, , .		1
166	A 60 GHz Circularly Polarized Phased Array with Fan-Out Feedlines. , 2021, , .		1
167	Near-Field-Focused 2-D Frequency Scanning Ridge-Gap Waveguide Slot Array Antenna. , 2021, , .		1
168	Synthesis of Wide-Angle Difference Pattern with Low Side-lobe Level on Asymmetric Aperture of Hemispherical Conformal Array Antennas. , 2021, , .		1
169	Design and application of the orthogonal feature of TE ₁₀ mode and slotline mode in substrate integrated hybrid multichannel signaling systems. , 2012, , .		0
170	Single layer reflectarray with modified cross loop element for wideband applications. , 2012, , .		0
171	Design and experiment of a frequency continuously tunable microwave reaction cavity. , 2013, , .		0
172	Frequency-agile directional coupler with good restraint outside the passband based on the coupled transmission line. , 2013, , .		0
173	Advances in Low-Profile Antennas in Wireless Communications. International Journal of Antennas and Propagation, 2014, 2014, 1-2.	1.2	0
174	Design of a near-field-focused substrate integrated planar array antenna. , 2014, , .		0
175	Design of a 664GHz wideband sub-harmonic mixer based on MASTER technology. , 2015, , .		0
176	Modified Fourier transforms to synthesize array pattern in arbitrary array topology. , 2015, , .		0
177	A wideband planar array antenna for Ka-band wireless communication applications. , 2015, , .		0
178	A wideband planar array antenna for Ka-band wireless communication applications. , 2015, , .		0
179	E-band wideband high-efficiency plate array antenna based on integrated ridge horn. , 2017, , .		0
180	A Ku-Band Substrate Integrated Image Guide Low Sidelobe Level Leaky-Wave Antenna. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
181	A Transition Between Single-Layer Substrate Integrated Waveguide and Coaxial Probe. , 2018, , .		0
182	Codesigned Wideband High-Efficiency Filtering SIW Slot Antenna with High Selectivity and Flat Gain Response. International Journal of Antennas and Propagation, 2018, 2018, 1-9.	1.2	0
183	Low-Profile Wideband 32-Element Plate Array Antenna with 24.2% Relative Bandwidth Using Diffusion Bonding Techniques. , 2018, , .		0
184	A Miniaturized Design of Shared-aperture Antenna with High Aperture Reuse Ratio for 5G Applications. , 2019, , .		0
185	Millimeter-Wave wideband high-efficiency single-layer reflectarray antenna with ability of phase response restructuration. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22754.	1.2	0
186	Millimeter-Wave End-fire Multibeam Antenna Based on Wide Axial Ratio Beamwidth and Bandwidth Circularly Polarized Element. , 2019, , .		0
187	Low-Profile, Ultra-Wideband and Wide-Scanning Phased Array Antenna with Co-Designed Radiation and Scattering Characteristics. , 2021, , .		0
188	Design of A 94 GHz High-Efficiency Dual-Polarized Stacked-Patch Antenna in Package. , 2021, , .		0
189	K/Ka-Band Shared-Aperture Phased Array Antenna with Near-Field Coupled Linear-to-Circular Polarizer. , 2021, , .		0
190	Synthesis of W-band Transmitting and Receiving Shared-Aperture Sparse Phased Array Antenna. , 2021, , .		0
191	A High-Accurate Far-Field Calibration Method for Submillimeter-Wave Phased Array. , 2021, , .		0
192	A Substrate Integrated Waveguide Low-Sidelobe-Level Circularly-Polarized Leaky-Wave Antenna with Open-Stopband Suppression. , 2021, , .		0
193	A W-band, Microfabricated, Tiled Phased Array Realized by Bricked Tapered Slot Antenna Element. , 2021, , .		0