

# Yu Jian Cheng

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142 papers	3,646 citations	32 h-index	57 g-index
194 ext. papers	5,296 ext. citations	3.4 avg, IF	6.2 L-index

#	Paper	IF	Citations
142	Multibeam Antenna Technologies for 5G Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 6231-6249	4.9	396
141	94 GHz Substrate Integrated Monopulse Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 121-129	4.9	161
140	Millimeter-Wave Substrate Integrated Waveguide Long Slot Leaky-Wave Antennas and Two-Dimensional Multibeam Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 40-47	4.9	153
139	Substrate Integrated Waveguide (SIW) Rotman Lens and Its Ka-Band Multibeam Array Antenna Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 2504-2513	4.9	126
138	W-Band Large-Scale High-Gain Planar Integrated Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 3370-3373	4.9	112
137	Broadband Self-Compensating Phase Shifter Combining Delay Line and Equal-Length Unequal-Width Phaser. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 203-210	4.1	110
136	Substrate-Integrated Millimeter-Wave and Terahertz Antenna Technology. <i>Proceedings of the IEEE</i> , <b>2012</b> , 100, 2219-2232	14.3	104
135	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 1225-1233	4.9	101
134	Millimeter-Wave Half Mode Substrate Integrated Waveguide Frequency Scanning Antenna With Quadri-Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 1848-1855	4.9	95
133	Millimeter-Wave Multibeam Antenna Based on Eight-Port Hybrid. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2009</b> , 19, 212-214	2.6	84
132	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 535-542	4.9	79
131	A Dual-Band Shared-Aperture Antenna With Large Frequency Ratio, High Aperture Reuse Efficiency, and High Channel Isolation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 853-860	4.9	76
130	Millimeter-Wave Substrate Integrated Waveguide Multibeam Antenna Based on the Parabolic Reflector Principle. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 3055-3058	4.9	73
129	Millimeter-Wave Shaped-Beam Substrate Integrated Conformal Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 4558-4566	4.9	71
128	Design of a Monopulse Antenna Using a Dual V-Type Linearly Tapered Slot Antenna (DVL TSA). <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 2903-2909	4.9	69
127	Single-Layer Dual-Band Linear-to-Circular Polarization Converter With Wide Axial Ratio Bandwidth and Different Polarization Modes. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 4296-4301	4.9	68
126	A Compact and Low-Profile Loop Antenna With Six Resonant Modes for LTE Smartphone. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3743-3751	4.9	67

125	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 6739-6751	4.9	66
124	94 GHz Substrate Integrated Waveguide Dual-Circular-Polarization Shared-Aperture Parallel-Plate Long-Slot Array Antenna With Low Sidelobe Level. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 5855-5861	4.9	66
123	60-GHz LTCC Miniaturized Substrate Integrated Multibeam Array Antenna With Multiple Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 5958-5967	4.9	66
122	Frequency- and Pattern-Reconfigurable Antenna for Multistandard Wireless Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 333-336	3.8	65
121	Ka-Band Near-Field-Focused 2-D Steering Antenna Array With a Focused Rotman Lens. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5204-5213	4.9	57
120	Frequency Selective Surface With Miniaturized Elements Based on Quarter-Mode Substrate Integrated Waveguide Cavity With Two Poles. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 914-922	4.9	56
119	Half Mode Substrate Integrated Waveguide (HMSIW) Directional Filter. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2007</b> , 17, 504-506	2.6	52
118	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. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1973-1981	4.9	48
117	A Wideband Dual Circularly Polarized Full-Corporate Waveguide Array Antenna Fed by Triple-Resonant Cavities. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 2135-2139	4.9	43
116	Power Handling Capability of Substrate Integrated Waveguide Interconnects and Related Transmission Line Systems. <i>IEEE Transactions on Advanced Packaging</i> , <b>2008</b> , 31, 900-909		43
115	Broadband Printed-Circuit-Board Characterization Using Multimode Substrate-Integrated-Waveguide Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 2145-2152	4.1	37
114	Ku/Ka Dual-Band Dual-Polarized Shared-Aperture Beam-Scanning Antenna Array With High Isolation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2413-2422	4.9	37
113	Millimeter-Wave Miniaturized Substrate Integrated Multibeam Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 4840-4844	4.9	37
112	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 4602-4611	4.9	33
111	Millimetre-wave monopulse antenna incorporating substrate integrated waveguide phase shifter. <i>IET Microwaves, Antennas and Propagation</i> , <b>2008</b> , 2, 48-52	1.6	32
110	Millimeter-Wave Low Temperature Co-Fired Ceramic Leaky-Wave Antenna and Array Based on the Substrate Integrated Image Guide Technology. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 669-676	4.9	31
109	Wideband and Wide-Angle Single-Layered-Substrate Linear-to-Circular Polarization Metasurface Converter. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 1186-1191	4.9	30
108	High-Efficiency and High-Polarization Separation Reflectarray Element for OAM-Folded Antenna Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1357-1360	3.8	29

107	Ka-Band Near-Field-Focused Array Antenna with Variable Focal Point. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 1725-1732	4.9	29
106	Proactive Conformal Antenna Array for Near-Field Beam Focusing and Steering Based on Curved Substrate Integrated Waveguide. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2354-2363	4.9	29
105	Design of a substrate integrated waveguide modified R-KR lens for millimetre-wave application. <i>IET Microwaves, Antennas and Propagation</i> , <b>2010</b> , 4, 484	1.6	28
104	Ka-Band Wideband Large Depth-of-Field Beam Generation Through a Phase Shifting Surface Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 5038-5045	4.9	26
103	Compact substrate-integrated waveguide bandpass rat-race coupler and its microwave applications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2012</b> , 6, 1000	1.6	26
102	D-Band High-Gain Circular-Polarized Plate Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1280-1287	4.9	25
101	A Highly Integrated MIMO Antenna Unit: Differential/Common Mode Design. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6724-6734	4.9	25
100	W-Band Characterizations of Printed Circuit Board Based on Substrate Integrated Waveguide Multi-Resonator Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 599-606	4.1	24
99	Near-Field Pattern Synthesis for Sparse Focusing Antenna Arrays Based on Bayesian Compressive Sensing and Convex Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5249-5257	4.9	24
98	Wideband Quasi-Nondiffraction Beam With Accurately Controllable Propagating Angle and Depth-of-Field. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 5035-5042	4.9	24
97	SIW-Like Guided Wave Structures and Applications. <i>IEICE Transactions on Electronics</i> , <b>2009</b> , E92-C, 1111-1123	4.3	23
96	A Metamaterial-Based $\text{SS/XS}$ -Band Shared-Aperture Phased-Array Antenna With Wide Beam Scanning Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4283-4292	4.9	21
95	Substrate integrated waveguide (SIW) broadband compensating phase shifter <b>2009</b> ,		21
94	Novel Substrate Integrated Waveguide fixed phase shifter for 180-degree Directional Coupler. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , <b>2007</b> ,		21
93	Shared-Aperture Variable Inclination Continuous Transverse Stub Antenna Working at K- and Ka-Bands for Mobile Satellite Communication. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6656-6666	4.9	20
92	Generating and 2-D Steering Large Depth-of-Field Beam by Leaky-Wave Antenna Array With a Modified Parabolic Reflector. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2779-2787	4.9	20
91	SUBSTRATE INTEGRATED WAVEGUIDE FREQUENCY-AGILE SLOT ANTENNA AND ITS MULTIBEAM APPLICATION. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 130, 153-168	3.8	18
90	Planar Ultra-Wideband and Wide-Scanning Dual-Polarized Phased Array with Integrated Coupled-Marchand Balun for High Polarization Isolation and Low Cross-Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	18

89	A dual polarization, broadband, millimeter-wave reflectarray using modified cross loop element. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 287-293	1.2	17
88	Conical Conformal Shaped-Beam Substrate-Integrated Waveguide Slot Array Antenna With Conical-to-Cylindrical Transition. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4048-4056	4.9	16
87	V-Band Wideband Circularly Polarized Endfire Multibeam Antenna With Wide Beam Coverage. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1616-1620	3.8	16
86	Broadband Low-Cost Reflectarray Using Modified Double-Square Loop Loaded by Spiral Stubs. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4224-4229	4.9	16
85	Narrowband Substrate Integrated Waveguide Isolators. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 698-700	2.6	16
84	Multimode substrate integrated waveguide H-plane monopulse feed. <i>Electronics Letters</i> , <b>2008</b> , 44, 78	1.1	15
83	A COMPACT MULTILAYER DUAL-MODE SUBSTRATE INTEGRATED CIRCULAR CAVITY (SICC) FILTER FOR X-BAND APPLICATION. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 122, 453-465	3.8	14
82	A Hybrid Guided-Wave Structure of Half Mode Substrate Integrated Waveguide and Conductor-Backed SlotLine and its Application in Directional Couplers. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 65-67	2.6	14
81	A Dual Circular-Polarized Extremely Thin Monopulse Feeder at W-Band for Prime Focus Reflector Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 231-235	3.8	14
80	D-Band Wideband Air-Filled Plate Array Antenna With Multistage Impedance Matching Based on MEMS Micromachining Technology. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4502-4511	4.9	13
79	An S- and V-Band Dual-Polarized Antenna Based on Dual-Degenerate-Mode Feeder for Large Frequency Ratio Shared-Aperture Wireless Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 8127-8132	4.9	13
78	A NOVEL MULTILAYER DUAL-MODE SUBSTRATE INTEGRATED WAVEGUIDE COMPLEMENTARY FILTER WITH CIRCULAR AND ELLIPTIC CAVITIES (SICC AND SIEC). <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 127, 173-188	3.8	11
77	Two-Dimensional Near-Field Focusing Folded Reversely Fed Leaky-Wave Antenna Array With High Radiation Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 4560-4569	4.9	10
76	Surface-Loaded Ferrite Substrate Integrated Waveguide Switch. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2015</b> , 25, 232-234	2.6	10
75	140 GHz Frequency Selective Surface Based on Hexagon Substrate Integrated Waveguide Cavity Using Normal PCB Process. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 489-492	3.8	10
74	A Wideband Low-Profile Monopulse Feeder Based on Silicon Micromachining Technology for W-Band High-Resolution System. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1676-1680	3.8	10
73	12-GHz Rotary Joint With Substrate Integrated Waveguide Feeder. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 1508-1514	4.1	10
72	Millimeter-Wave Single-Layer Wideband High-Gain Reflectarray Antenna With Ability of Spatial Dispersion Compensation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 6862-6868	4.9	10

71	MINIATURIZED MULTILAYER FOLDED SUBSTRATE INTEGRATED WAVEGUIDE BUTLER MATRIX. <i>Progress in Electromagnetics Research C</i> , <b>2011</b> , 21, 45-58	0.9	9
70	Generating and Steering Quasi-Nondiffractive Beam by Near-Field Planar Risley Prisms. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7767-7776	4.9	9
69	Ka-Band Low-Sidelobe-Level Slot Array Leaky-Wave Antenna Based on Substrate Integrated Nonradiative Dielectric Waveguide. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 3075-3078	3.8	8
68	LTCC-Based Substrate Integrated Image Guide and Its Transition to Conductor-Backed Coplanar Waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 450-452	2.6	8
67	Substrate Integrated Slot Array Antenna with Required Radiation Pattern Envelope. <i>International Journal of Antennas and Propagation</i> , <b>2016</b> , 2016, 1-4	1.2	8
66	Ka/W Dual-Band Reflectarray Antenna for Dual Linear Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1301-1304	3.8	7
65	Wideband and Wide-Angle FSS Using Loop Slotted Hybrid Quarter-Mode Substrate Integrated Cavity With Two Independently Controllable Poles. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 8221-8226	4.9	7
64	Low-Sidelobe-Level Short Leaky-Wave Antenna Based on Single-Layer PCB-Based Substrate-Integrated Image Guide. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1519-1523	3.8	7
63	Frequency-agile Butler matrix with good interference suppression for multiple radio wireless platforms. <i>IET Microwaves, Antennas and Propagation</i> , <b>2013</b> , 7, 563-568	1.6	7
62	QUADRI-FOLDED SUBSTRATE INTEGRATED WAVEGUIDE CAVITY AND ITS MINIATURIZED BANDPASS FILTER APPLICATIONS. <i>Progress in Electromagnetics Research C</i> , <b>2011</b> , 23, 1-14	0.9	7
61	Millimeter-Wave Near-Field-Focused Full 2-D Frequency Scanning Antenna Array With Height-Modulated-Ridge Waveguide. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 2595-2604	4.9	7
60	Mechanically pattern reconfigurable dual-band antenna with omnidirectional/directional pattern for 2.4/5GHz WLAN application. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2526-2531	1.2	6
59	Wide-band dual-polarized planar array antenna for K/Ka-band wireless communication. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2377-2381	1.2	6
58	Frequency-reconfigurable TM <sub>010</sub> -mode reentrant cylindrical cavity for microwave material processing. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 605-614	1.3	5
57	A K-Band High Interference-Rejection GaAs Low-Noise Amplifier Using Multizero Control Method for Satellite Communication. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2020</b> , 30, 1069-1072	2.6	5
56	Dual-Polarized Wideband Plate Array Antenna With High Polarization Isolation and Low Cross Polarization for D-Band High-Capacity Wireless Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 2023-2027	3.8	5
55	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> , <b>2019</b> , 29, e21690	1.5	5
54	Dual-band Miniaturized Linear-to-Circular Metasurface Polarization Converter with Wideband and Wide-Angle Axial Ratio. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5



53	W-Band Hybrid Unequal Feeding Network of Waveguide and Substrate Integrated Waveguide for High Efficiency and Low Sidelobe Level Slot Array Antenna Application. <i>International Journal of Antennas and Propagation</i> , <b>2017</b> , 2017, 1-8	1.2	4
52	Miniaturized half mode substrate integrated waveguide cavity resonator and filter with good spurious suppression. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 396-404	1.3	4
51	Design of a multimode beamforming network based on the scattering matrix analysis. <i>Science in China Series F: Information Sciences</i> , <b>2009</b> , 52, 1258-1265		4
50	Investigation on Tolerances of Substrate Integrated Waveguide (SIW) <b>2007</b> ,		4
49	Height Reduced Concave Sector-Cut Spherical Conformal Phased Array Antenna Based on Distributed Aperture Synthesis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	4
48	Millimeter-wave reconfigurable antenna with polarization and angle diversity <b>2009</b> ,		3
47	A two-dimensional multibeam array antenna based on substrate integrated waveguide technology <b>2008</b> ,		3
46	A High-Efficiency 28/39 GHz Dual-Band Power Amplifier MMIC for 5G Communication. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 1-1	2.6	3
45	A C-Band High-Efficiency Power Amplifier MMIC with Second-Harmonic Control in 0.25 $\mu\text{m}$ GaN HEMT Technology. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 1-1	2.6	3
44	Rotary Joint Perpendicularly Fed by a Substrate Integrated Waveguide Feeder. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 3761-3768	4.1	2
43	Low cost single layer dualband dual linear polarization reflectarray antenna <b>2015</b> ,		2
42	FERRITE-LOADED HALF MODE SUBSTRATE INTEGRATED WAVEGUIDE PHASE SHIFTER. <i>Progress in Electromagnetics Research Letters</i> , <b>2014</b> , 47, 85-90	0.5	2
41	W-band characterization of dielectric constant and loss tangent based on substrate integrated non-radiating dielectric guide resonator method <b>2014</b> ,		2
40	Isolation Enhancement for W-Band Coplanar Array Antennas Based on Silicon Micromachining Technology. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1744-1748	3.8	2
39	325-400 GHz 2-D Beam Steering Antenna Based on MEMS Micromachining Technology <b>2020</b> ,		2
38	Dual-Band Shared-Aperture High-Efficiency Reflectarray Antenna Based on Structure-Reuse Technique. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 366-370	3.8	2
37	Large depth-of-field wideband pseudo-Bessel beam antenna <b>2016</b> ,		2
36	Synthesis of Sparse Near-Field Focusing Antenna Arrays With Accurate Control of Focal Distance by Reweighted l1 Norm Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3010-3014	4.9	2

35	A dual-band linear-to-circular polarization converter with robustness under oblique incidences. <i>Microwave and Optical Technology Letters</i> , <b>2021</b> , 63, 361-366	1.2	2
34	Substrate Integrated Waveguide Slot Array Antenna to Generate Bessel Beam with High Transverse Linear Polarization Purity. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	2
33	<b>2018</b> ,		2
32	A high frequency ratio quadri-band frequency independently tunable antenna with spurious-mode suppression. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 1445-1452	1.2	1
31	A novel multilayer e-plane half-mode substrate integrated waveguide (HMSIW) 3-dB coupler with improved out-of-band rejection <b>2016</b> ,		1
30	Design of a novel broadband compact dual polarized horn <b>2013</b> ,		1
29	Design of a power divider for millimeter wavelength applications <b>2015</b> ,		1
28	Planar parallel-plate waveguide continuous transverse stub antenna array fed by substrate integrated waveguide divider <b>2015</b> ,		1
27	<b>2014</b> ,		1
26	A single layer wideband differential-fed patch antenna array with SIW feeding networks <b>2014</b> ,		1
25	A frequency reconfigurable microwave reaction cavity based on a quarter-wave coaxial cavity resonator <b>2012</b> ,		1
24	Multibeam antennas for next generation mobile communications and mobile satellite communications <b>2008</b> ,		1
23	Dual-Band Shared-Aperture Two-Dimensional Phased Array Antenna with Wide Bandwidth of 25.0% and 11.4% at Ku- and Ka-Band. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
22	Compact substrate integrated waveguide rat-race filtering couplers with arbitrary angular interval between ports. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2020</b> , 30, e22168 <sup>1.5</sup>		1
21	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> , <b>2021</b> , 1-1	3.8	1
20	A Modeling Method for Small Packing Particles in Electromagnetic Simulation. <i>International Journal of Antennas and Propagation</i> , <b>2016</b> , 2016, 1-7	1.2	1
19	A K/Ka Dual-Band Shared-Aperture High Efficiency Reflectarray Antenna Based on Structure-Reuse Technique <b>2019</b> ,		1
18	An S/X Dual-Band Shared-Aperture Phased Array Antenna <b>2019</b> ,		1



17	HEMT Small-Signal Modelling for Voltage-Controlled Attenuator Applications <b>2019</b> ,		1
16	W-Band Low-SLL Size-Reduction Micro-Waveguide Array Antenna Using TE <sub>120</sub> -Mode-Cavity Dual-Layer Power Divider. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	1
15	A W-band Low-Profile Dual-Polarized Reflectarray with Integrated Feed for In-Band Full-Duplex Application. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	1
14	Near-Field Beam Focusing and Steering Generator Based on 3D Curved Substrate Integrated Waveguide <b>2018</b> ,		1
13	140 GHz Linear to Circular Polarization Convertor Based on Modified Cross Slot Frequency Selective Surface with High Selectivity <b>2018</b> ,		1
12	Performance Comparison and Selection Criterion of Sparse Array for Near-Field Focusing <b>2018</b> ,		1
11	THz 2-D Frequency Scanning Planar Integrated Array Antenna With Improved Efficiency. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	1
10	Proactive Conformal Waveguide Slot Array Antenna to Synthesize Coscant Squared Pattern Based on 3-D Printing Manufacturing Process. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
9	Investigation of sparse near-field focusing array antenna with different topologies. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 1782-1787	1.6	0
8	LEO Satellite Multi-Beam Coverage Area Division and Beam Forming Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	0
7	Synthesis of Difference Patterns for 3-D Conformal Beam-Scanning Arrays with Asymmetric Radiation Aperture. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	0
6	Advances in Low-Profile Antennas in Wireless Communications 2015. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-2	1.2	
5	Advances in Low-Profile Antennas in Wireless Communications. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-2	1.2	
4	Substrate Integrated Multibeam Antennas1-17		
3	Millimeter-wave wide-band high-efficiency single-layer reflectarray antenna with ability of phase-response restructuration. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2021</b> , 31, e22754	1.5	
2	Codesigned Wideband High-Efficiency Filtering SIW Slot Antenna with High Selectivity and Flat Gain Response. <i>International Journal of Antennas and Propagation</i> , <b>2018</b> , 2018, 1-9	1.2	
1	Three-Dimensional Interconnection With Magnetically Coupled Transition for W-Band Integration Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 1-1	4.1	