

Yu Jian Cheng

List of Publications by Year in Descending Order

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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	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> , 2022 , 1-1	4.9	1
141	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 , 1-1	4.9	1
140	Synthesis of Difference Patterns for 3-D Conformal Beam-Scanning Arrays with Asymmetric Radiation Aperture. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	0
139	Three-Dimensional Interconnection With Magnetically Coupled Transition for W-Band Integration Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	
138	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> , 2021 , 1-1	3.8	1
137	Dual-Band Shared-Aperture High-Efficiency Reflectarray Antenna Based on Structure-Reuse Technique. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 366-370	3.8	2
136	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> , 2021 , 31, e22754	1.5	
135	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> , 2021 , 69, 2595-2604	4.9	7
134	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> , 2021 , 69, 3010-3014	4.9	2
133	A dual-band linear-to-circular polarization converter with robustness under oblique incidences. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 361-366	1.2	2
132	A High-Efficiency 28/39 GHz Dual-Band Power Amplifier MMIC for 5G Communication. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 1-1	2.6	3
131	Substrate Integrated Waveguide Slot Array Antenna to Generate Bessel Beam with High Transverse Linear Polarization Purity. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
130	Height Reduced Concave Sector-Cut Spherical Conformal Phased Array Antenna Based on Distributed Aperture Synthesis. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4
129	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> , 2021 , 1-1	4.9	18
128	W-Band Low-SLL Size-Reduction Micro-Waveguide Array Antenna Using TE ₁₂₀ -Mode-Cavity Dual-Layer Power Divider. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
127	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 , 1-1	2.6	3
126	Dual-band Miniaturized Linear-to-Circular Metasurface Polarization Converter with Wideband and Wide-Angle Axial Ratio. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	5

125	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> , 2021 , 1-1	4.9	1
124	THz 2-D Frequency Scanning Planar Integrated Array Antenna With Improved Efficiency. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
123	LEO Satellite Multi-Beam Coverage Area Division and Beam Forming Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	0
122	A Metamaterial-Based S/X-Band Shared-Aperture Phased-Array Antenna With Wide Beam Scanning Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4283-4292	4.9	21
121	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> , 2020 , 68, 8221-8226	4.9	7
120	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> , 2020 , 68, 4502-4511	4.9	13
119	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> , 2020 , 68, 6656-6666	4.9	20
118	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> , 2020 , 30, e22168	4.5	1
117	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> , 2020 , 68, 2779-2787	4.9	20
116	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> , 2020 , 68, 1973-1981	4.9	48
115	Generating and Steering Quasi-Nondiffractive Beam by Near-Field Planar Risley Prisms. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7767-7776	4.9	9
114	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> , 2020 , 30, 1069-1072	2.6	5
113	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> , 2020 , 19, 2023-2027	3.8	5
112	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	3.8	2
111	325-400 GHz 2-D Beam Steering Antenna Based on MEMS Micromachining Technology 2020 ,		2
110	Wideband and Wide-Angle Single-Layered-Substrate Linear-to-Circular Polarization Metasurface Converter. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1186-1191	4.9	30
109	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> , 2020 , 68, 8127-8132	4.9	13
108	V-Band Wideband Circularly Polarized Endfire Multibeam Antenna With Wide Beam Coverage. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1616-1620	3.8	16

107	Ku/Ka Dual-Band Dual-Polarized Shared-Aperture Beam-Scanning Antenna Array With High Isolation. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2413-2422	4.9	37
106	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> , 2019 , 67, 4296-4301	4.9	68
105	Two-Dimensional Near-Field Focusing Folded Reversely Fed Leaky-Wave Antenna Array With High Radiation Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4560-4569	4.9	10
104	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> , 2019 , 18, 1676-1680	3.8	10
103	A Highly Integrated MIMO Antenna Unit: Differential/Common Mode Design. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6724-6734	4.9	25
102	Investigation of sparse near-field focusing array antenna with different topologies. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1782-1787	1.6	0
101	A K/Ka Dual-Band Shared-Aperture High Efficiency Reflectarray Antenna Based on Structure-Reuse Technique 2019 ,		1
100	An S/X Dual-Band Shared-Aperture Phased Array Antenna 2019 ,		1
99	HEMT Small-Signal Modelling for Voltage-Controlled Attenuator Applications 2019 ,		1
98	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	1.5	5
97	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> , 2019 , 67, 853-860	4.9	76
96	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> , 2019 , 67, 2354-2363	4.9	29
95	A Dual Circular-Polarized Extremely Thin Monopulse Feeder at W-Band for Prime Focus Reflector Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 231-235	3.8	14
94	D-Band High-Gain Circular-Polarized Plate Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1280-1287	4.9	25
93	A high frequency ratio quadri-band frequency independently tunable antenna with spurious-mode suppression. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1445-1452	1.2	1
92	140 GHz Frequency Selective Surface Based on Hexagon Substrate Integrated Waveguide Cavity Using Normal PCB Process. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 489-492	3.8	10
91	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> , 2018 , 17, 1519-1523	3.8	7
90	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> , 2018 , 66, 5249-5257	4.9	24

89	Ka-Band Near-Field-Focused 2-D Steering Antenna Array With a Focused Rotman Lens. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5204-5213	4.9	57
88	Near-Field Beam Focusing and Steering Generator Based on 3D Curved Substrate Integrated Waveguide 2018 ,		1
87	2018 ,		2
86	140 GHz Linear to Circular Polarization Convertor Based on Modified Cross Slot Frequency Selective Surface with High Selectivity 2018 ,		1
85	Codesigned Wideband High-Efficiency Filtering SIW Slot Antenna with High Selectivity and Flat Gain Response. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-9	1.2	
84	Millimeter-Wave Single-Layer Wideband High-Gain Reflectarray Antenna With Ability of Spatial Dispersion Compensation. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6862-6868	4.9	10
83	Performance Comparison and Selection Criterion of Sparse Array for Near-Field Focusing 2018 ,		1
82	Broadband Printed-Circuit-Board Characterization Using Multimode Substrate-Integrated-Waveguide Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2145-2152	4.1	37
81	Rotary Joint Perpendicularly Fed by a Substrate Integrated Waveguide Feeder. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 3761-3768	4.1	2
80	Conical Conformal Shaped-Beam Substrate-Integrated Waveguide Slot Array Antenna With Conical-to-Cylindrical Transition. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4048-4056	4.9	16
79	Multibeam Antenna Technologies for 5G Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 6231-6249	4.9	396
78	Ka/W Dual-Band Reflectarray Antenna for Dual Linear Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1301-1304	3.8	7
77	High-Efficiency and High-Polarization Separation Reflectarray Element for OAM-Folded Antenna Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1357-1360	3.8	29
76	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 6739-6751	4.9	66
75	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> , 2017 , 65, 5855-5861	4.9	66
74	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> , 2017 , 2017, 1-8	1.2	4
73	Mechanically pattern reconfigurable dual-band antenna with omnidirectional/directional pattern for 2.4/5GHz WLAN application. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2526-2531	1.2	6
72	Wideband Quasi-Nondiffraction Beam With Accurately Controllable Propagating Angle and Depth-of-Field. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 5035-5042	4.9	24

71	A Wideband Dual Circularly Polarized Full-Corporate Waveguide Array Antenna Fed by Triple-Resonant Cavities. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 2135-2139	4.9	43
70	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> , 2017 , 16, 3075-3078 ^{3.8}		8
69	A Compact and Low-Profile Loop Antenna With Six Resonant Modes for LTE Smartphone. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3743-3751	4.9	67
68	A novel multilayer e-plane half-mode substrate integrated waveguide (HMSIW) 3-dB coupler with improved out-of-band rejection 2016 ,		1
67	Ka-Band Wideband Large Depth-of-Field Beam Generation Through a Phase Shifting Surface Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 5038-5045	4.9	26
66	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> , 2016 , 64, 914-922	4.9	56
65	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 535-542	4.9	79
64	Ka-Band Near-Field-Focused Array Antenna with Variable Focal Point. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1725-1732	4.9	29
63	W-Band Characterizations of Printed Circuit Board Based on Substrate Integrated Waveguide Multi-Resonator Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 599-606	4.1	24
62	Substrate Integrated Slot Array Antenna with Required Radiation Pattern Envelope. <i>International Journal of Antennas and Propagation</i> , 2016 , 2016, 1-4	1.2	8
61	A Modeling Method for Small Packing Particles in Electromagnetic Simulation. <i>International Journal of Antennas and Propagation</i> , 2016 , 2016, 1-7	1.2	1
60	Large depth-of-field wideband pseudo-Bessel beam antenna 2016 ,		2
59	12-GHz Rotary Joint With Substrate Integrated Waveguide Feeder. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 1508-1514	4.1	10
58	Wide-band dual-polarized planar array antenna for K/Ka-band wireless communication. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2377-2381	1.2	6
57	Surface-Loaded Ferrite Substrate Integrated Waveguide Switch. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 232-234	2.6	10
56	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1225-1233	4.9	101
55	Broadband Low-Cost Reflectarray Using Modified Double-Square Loop Loaded by Spiral Stubs. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4224-4229	4.9	16
54	Frequency- and Pattern-Reconfigurable Antenna for Multistandard Wireless Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 333-336	3.8	65

53	Low cost single layer dualband dual linear polarization reflectarray antenna 2015 ,		2
52	Design of a power divider for millimeter wavelength applications 2015 ,		1
51	Advances in Low-Profile Antennas in Wireless Communications 2015. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-2	1.2	
50	Planar parallel-plate waveguide continuous transverse stub antenna array fed by substrate integrated waveguide divider 2015 ,		1
49	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> , 2014 , 62, 669-676	4.9	31
48	W-Band Large-Scale High-Gain Planar Integrated Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3370-3373	4.9	112
47	Narrowband Substrate Integrated Waveguide Isolators. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 698-700	2.6	16
46	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4602-4611	4.9	33
45	Advances in Low-Profile Antennas in Wireless Communications. <i>International Journal of Antennas and Propagation</i> , 2014 , 2014, 1-2	1.2	
44	FERRITE-LOADED HALF MODE SUBSTRATE INTEGRATED WAVEGUIDE PHASE SHIFTER. <i>Progress in Electromagnetics Research Letters</i> , 2014 , 47, 85-90	0.5	2
43	2014 ,		1
42	W-band characterization of dielectric constant and loss tangent based on substrate integrated non-radiating dielectric guide resonator method 2014 ,		2
41	A single layer wideband differential-fed patch antenna array with SIW feeding networks 2014 ,		1
40	A dual polarization, broadband, millimeter-wave reflectarray using modified cross loop element. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 287-293	1.2	17
39	Millimeter-Wave Shaped-Beam Substrate Integrated Conformal Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4558-4566	4.9	71
38	Frequency-agile Butler matrix with good interference suppression for multiple radio wireless platforms. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 563-568	1.6	7
37	60-GHz LTCC Miniaturized Substrate Integrated Multibeam Array Antenna With Multiple Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5958-5967	4.9	66
36	Frequency-reconfigurable TM010-mode reentrant cylindrical cavity for microwave material processing. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 605-614	1.3	5

35	Design of a novel broadband compact dual polarized horn 2013 ,		1
34	Miniaturized half mode substrate integrated waveguide cavity resonator and filter with good spurious suppression. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 396-404	1.3	4
33	LTCC-Based Substrate Integrated Image Guide and Its Transition to Conductor-Backed Coplanar Waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , 2013 , 23, 450-452	2.6	8
32	Compact substrate-integrated waveguide bandpass rat-race coupler and its microwave applications. <i>IET Microwaves, Antennas and Propagation</i> , 2012 , 6, 1000	1.6	26
31	A frequency reconfigurable microwave reaction cavity based on a quarter-wave coaxial cavity resonator 2012 ,		1
30	Substrate-Integrated Millimeter-Wave and Terahertz Antenna Technology. <i>Proceedings of the IEEE</i> , 2012 , 100, 2219-2232	14.3	104
29	94 GHz Substrate Integrated Monopulse Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 121-129	4.9	161
28	A NOVEL MULTILAYER DUAL-MODE SUBSTRATE INTEGRATED WAVEGUIDE COMPLEMENTARY FILTER WITH CIRCULAR AND ELLIPTIC CAVITIES (SICC AND SIEC). <i>Progress in Electromagnetics Research</i> , 2012 , 127, 173-188	3.8	11
27	A COMPACT MULTILAYER DUAL-MODE SUBSTRATE INTEGRATED CIRCULAR CAVITY (SICC) FILTER FOR X-BAND APPLICATION. <i>Progress in Electromagnetics Research</i> , 2012 , 122, 453-465	3.8	14
26	SUBSTRATE INTEGRATED WAVEGUIDE FREQUENCY-AGILE SLOT ANTENNA AND ITS MULTIBEAM APPLICATION. <i>Progress in Electromagnetics Research</i> , 2012 , 130, 153-168	3.8	18
25	Millimeter-Wave Substrate Integrated Waveguide Long Slot Leaky-Wave Antennas and Two-Dimensional Multibeam Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 40-47	4.9	153
24	Millimeter-Wave Miniaturized Substrate Integrated Multibeam Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 4840-4844	4.9	37
23	QUADRI-FOLDED SUBSTRATE INTEGRATED WAVEGUIDE CAVITY AND ITS MINIATURIZED BANDPASS FILTER APPLICATIONS. <i>Progress in Electromagnetics Research C</i> , 2011 , 23, 1-14	0.9	7
22	MINIATURIZED MULTILAYER FOLDED SUBSTRATE INTEGRATED WAVEGUIDE BUTLER MATRIX. <i>Progress in Electromagnetics Research C</i> , 2011 , 21, 45-58	0.9	9
21	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> , 2011 , 21, 65-67	2.6	14
20	Millimeter-Wave Half Mode Substrate Integrated Waveguide Frequency Scanning Antenna With Quadri-Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1848-1855	4.9	95
19	Design of a substrate integrated waveguide modified R-KR lens for millimetre-wave application. <i>IET Microwaves, Antennas and Propagation</i> , 2010 , 4, 484	1.6	28
18	Broadband Self-Compensating Phase Shifter Combining Delay Line and Equal-Length Unequal-Width Phaser. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 203-210	4.1	110

17	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		4
16	Substrate integrated waveguide (SIW) broadband compensating phase shifter 2009 ,		21
15	Millimeter-Wave Multibeam Antenna Based on Eight-Port Hybrid. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 212-214	2.6	84
14	Millimeter-wave reconfigurable antenna with polarization and angle diversity 2009 ,		3
13	SIW-Like Guided Wave Structures and Applications. <i>IEICE Transactions on Electronics</i> , 2009 , E92-C, 1111-1123	1.4	23
12	Substrate Integrated Waveguide (SIW) Rotman Lens and Its Ka-Band Multibeam Array Antenna Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 2504-2513	4.9	126
11	Millimeter-Wave Substrate Integrated Waveguide Multibeam Antenna Based on the Parabolic Reflector Principle. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3055-3058	4.9	73
10	Multibeam antennas for next generation mobile communications and mobile satellite communications 2008 ,		1
9	Multimode substrate integrated waveguide H-plane monopulse feed. <i>Electronics Letters</i> , 2008 , 44, 78	1.1	15
8	Design of a Monopulse Antenna Using a Dual V-Type Linearly Tapered Slot Antenna (DVL TSA). <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 2903-2909	4.9	69
7	Millimetre-wave monopulse antenna incorporating substrate integrated waveguide phase shifter. <i>IET Microwaves, Antennas and Propagation</i> , 2008 , 2, 48-52	1.6	32
6	Power Handling Capability of Substrate Integrated Waveguide Interconnects and Related Transmission Line Systems. <i>IEEE Transactions on Advanced Packaging</i> , 2008 , 31, 900-909		43
5	A two-dimensional multibeam array antenna based on substrate integrated waveguide technology 2008 ,		3
4	Half Mode Substrate Integrated Waveguide (HMSIW) Directional Filter. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 504-506	2.6	52
3	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> , 2007 ,		21
2	Investigation on Tolerances of Substrate Integrated Waveguide (SIW) 2007 ,		4
1	Substrate Integrated Multibeam Antennas1-17		