Yue Ping Zhang

List of Publications by Year in Descending Order

111 papers	2,265 citations	28 h-index	45 g-index
140 ext. papers	2,940 ext. citations	3.4 avg, IF	5.47 L-index

#	Paper	IF	Citations
111	Design of Compact Grid Array Antennas Using Gradient Slow-Wave Structures. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 1-1	3.8	0
110	Theory and Experiment on Stacked Circular Microstrip Patch Antennas for Low-Coupling Array Design. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 1-1	3.8	1
109	A Study on the Radiation Characteristics of Microelectronic Probes. *IEEE Open Journal of Antennas and Propagation*, **2022**, 3, 4-11	1.9	0
108	A Decoupling Structure for Mutual Coupling Suppression in Stacked Microstrip Patch Antenna Array. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 1-1	3.8	1
107	Theoretical and Experimental Investigations on Differential Aperture-Coupled Rectangular Laminated Resonator Antenna. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 1-1	3.8	1
106	Theory and Analysis on Radiation Characteristics of Differential Rectangular Laminated Resonator Antenna. *IEEE Transactions on Antennas and Propagation*, **2022**, 1-1	4.9	1
105	A Study of a Probe-Based Millimeter-Wave Far-Field Antenna Measurement Setup [Measurements Corner]. *IEEE Antennas and Propagation Magazine*, **2021**, 63, 118-144	1.7	1
104	An Overview of Probe-Based Millimeter-Wave/Terahertz Far-Field Antenna Measurement Setups [Measurements Corner]. *IEEE Antennas and Propagation Magazine*, **2021**, 63, 63-118	1.7	6
103	A Single-Layer Miniaturized Patch Antenna Based on Coupled Microstrips. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 823-827	3.8	4
102	Microstrip Grid and Patch-Based Dual-Band Shared-Aperture Differentially Fed Array Antenna. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 1043-1047	3.8	3
101	A Wideband Differentially Fed Dual-Polarized Laminated Resonator Antenna. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 4148-4153	4.9	6
100	Cross-Polarization Reduction of Shorted Patch Antenna by Using Coupled TM0,1/2 Mode. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	3
99	Impedance Relations for Differential Antennas and Single-ended Counterparts. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	2
98	Design and Modeling of Dual-Band Dual-Mode Coupled Shorted Patch Antennas. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	2
97	Antenna-in-Package (AiP) Technology. *Engineering*, **2021**,	9.7	0
96	On Surface-Wave Suppression of Differential Circular Microstrip Antennas. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 1691-1695	3.8	2
95	A Wideband mmWave Antenna in Fan-Out Wafer Level Packaging With Tall Vertical Interconnects for 5G Wireless Communication. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	10

94	Design of Wideband Differentially Fed Multilayer Stacked Patch Antennas Based on Bat Algorithm. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1172-1176	3.8	11
93	Antennas **2020**, 17-56		
92	A D-band CMOS power amplifier for short-range data center communication. *IEICE Electronics Express*, **2020**, 17, 20200159-20200159	0.5	3
91	A Novel Beam Steerable Antenna Employing Tunable High Impedance Surface With Liquid Crystal. *IEEE Access*, **2020**, 8, 118687-118695	3.5	4
90	Dual-Band Differential Shifted-Feed Microstrip Grid Array Antenna With Two Parasitic Patches. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 2434-2439	4.9	15
89	An Overview of the Development of Antenna-in-Package Technology for Highly Integrated Wireless Devices. *Proceedings of the IEEE*, **2019**, 107, 2265-2280	14.3	49
88	Antenna-in-Package Technology: Its Early Development [Historical Corner]. *IEEE Antennas and Propagation Magazine*, **2019**, 61, 111-118	1.7	9
87	Differential Shorted Patch Antennas. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 4438-4444	4.9	9
86	A Low-profile Magneto-electric Dipole Antenna with Parasitic Patches for Millimeter-wave Antenna-in-package Applications **2019**,		1
85	Miniaturization of Differentially-Driven Microstrip Planar Inverted F Antenna. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 1280-1283	4.9	10
84	Mutual Coupling Between Submicrostrip Grid Arrays on Electrically Thin Substrate. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 467-471	4.9	3
83	45-Degree polarized microstrip grid arrays for millimeter-wave micro base station **2018**,		2
82	. *Proceedings of the IEEE*, **2017**, 105, 723-736	14.3	104
81	A 94-GHz Dual-Polarized Microstrip Mesh Array Antenna in LTCC Technology. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 634-637	3.8	20
80	A Multiport Microstrip Grid Array Structure. *IEEE Transactions on Antennas and Propagation*, **2016**, 64, 4953-4958	4.9	3
79	Inkjet-printed patch antenna emitter for wireless communication application. *Virtual and Physical Prototyping*, **2016**, 11, 289-294	10.1	37
78	An ultrawideband SPST switch using defected ground structure low pass filter in 65-nm CMOS technology. *International Journal of RF and Microwave Computer-Aided Engineering*, **2015**, 25, 758-768	1.5	1
77	An LTCC Microstrip Grid Array Antenna for 94-GHz Applications. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 1279-1281	3.8	20

76	Differential grid array antenna to radiate pencil beam at 24 GHz for radar and sensor applications. *IET Microwaves, Antennas and Propagation*, **2014**, 8, 765-769	1.6	5
75	The Wheeler Method for the Measurement of the Efficiency of Differentially-Driven Microstrip Antennas. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 3436-3439	4.9	6
74	Measuring the Impedance and Efficiency of Differentially Driven Microstrip Antenna by Two Balun Methods. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 1246-1252	4.9	21
73	Single-pole multiple-throw switches with defected ground structure low-pass filter. *IET Microwaves, Antennas and Propagation*, **2014**, 8, 1241-1249	1.6	10
72	Coupling Mechanisms and Effects Between On-Chip Antenna and Inductor or Coplanar Waveguide. *IEEE Transactions on Electron Devices*, **2013**, 60, 20-27	2.9	6
71	A 60-GHz Circularly-Polarized Array Antenna-in-Package in LTCC Technology. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 6228-6232	4.9	23
70	A Ceramic Antenna for Tri-Band Radio Devices. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 5776-5780	4.9	31
69	A Circularly-Polarized Array Antenna Using Linearly-Polarized Sub Grid Arrays for Highly-Integrated 60-GHz Radio. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 436-439	4.9	58
68	Integration of Quadruple Linearly-Polarized Microstrip Grid Array Antennas for 60-GHz Antenna-in-Package Applications. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2013**, 3, 1293-1300	1.7	32
67	Integration of Dual-Band Monopole and Microstrip Grid Array for Single-Chip Tri-Band Application. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 439-443	4.9	40
66	FR4 PCB grid array antenna for millimeter-wave 5G mobile communications **2013**,		25
65	Improved hole distribution in InGaN/GaN light-emitting diodes with graded thickness quantum barriers. *Applied Physics Letters*, **2013**, 102, 243504	3.4	39
64	Multifingers capacitances modeling of 65-Nm CMOS transistor by unit cell method. *International Journal of RF and Microwave Computer-Aided Engineering*, **2012**, 22, 297-307	1.5	
63	A fully integrated differential impulse radio transmitter. *Analog Integrated Circuits and Signal Processing*, **2012**, 70, 47-56	1.2	0
62	A microstrip grid array antenna for 60-GHz applications **2012**,		2
61	. *Proceedings of the IEEE*, **2012**, 100, 2364-2371	14.3	45
60	. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 2270-2275	4.9	68
59	Measurement of input impedance of differential microstrip antenna by balun method **2012**,		3

58	A 24-GHz microstrip grid array antenna **2012**,		1
57	Integration of Antenna and Feeding Network for Compact UWB Transceiver Package. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2011**, 1, 111-118	1.7	16
56	. *IEEE Transactions on Antennas and Propagation*, **2011**, 59, 2134-2140	4.9	50
55	Microstrip Grid and Comb Array Antennas. *IEEE Transactions on Antennas and Propagation*, **2011**, 59, 4077-4084	4.9	47
54	. *IEEE Transactions on Antennas and Propagation*, **2011**, 59, 1191-1199	4.9	47
53	A 60-GHz single-pole-single-throw switch in 65-nm bulk CMOS. *International Journal of RF and Microwave Computer-Aided Engineering*, **2011**, 21, 190-198	1.5	4
52	. *IEEE Transactions on Antennas and Propagation*, **2011**, 59, 1078-1084	4.9	16
51	Development of antenna-in-package technology for single-chip tri-band radio devices **2011**,		2
50	Flipping the CMOS Switch. *IEEE Microwave Magazine*, **2010**, 11, 86-96	1.2	39
49	Electromagnetic Mode Theory of Periodically-Loaded Oversized Imperfect Waveguide and Its Application to the Propagation of Radio Waves in Long Wall Coal Mining Face Tunnels. *IEEE Transactions on Antennas and Propagation*, **2010**, 58, 1816-1822	4.9	2
48	Miniaturization of Planar Monopole Antenna for Ultrawideband Radios. *IEEE Transactions on Antennas and Propagation*, **2010**, 58, 2420-2425	4.9	45
47	A comparative study of two techniques for improving power-handling capability of CMOS T/R switches. *International Journal of RF and Microwave Computer-Aided Engineering*, **2010**, 20, 298-305	1.5	
46	A CMOS differential fifth-derivative Gaussian pulse generator for UWB applications. *Microwave and Optical Technology Letters*, **2010**, 52, 1849-1852	1.2	3
45	Performance evaluation of three basic antennas in chip packages for 60-GHz radios. *Microwave and Optical Technology Letters*, **2010**, 52, 2359-2363	1.2	1
44	Integration of Grid Array Antenna in Chip Package for Highly Integrated 60-GHz Radios. *IEEE Antennas and Wireless Propagation Letters*, **2009**, 8, 1364-1366	3.8	40
43	Antenna-in-Package Design for Wirebond Interconnection to Highly Integrated 60-GHz Radios. *IEEE Transactions on Antennas and Propagation*, **2009**, 57, 2842-2852	4.9	118
42	Antenna-on-Chip and Antenna-in-Package Solutions to Highly Integrated Millimeter-Wave Devices for Wireless Communications. *IEEE Transactions on Antennas and Propagation*, **2009**, 57, 2830-2841	4.9	310
41	Bit-error-rate analysis of UWB radio using BPSK modulation over inter-chip radio channels for wireless chip area networks. *IEEE Transactions on Wireless Communications*, **2009**, 8, 2379-2387	9.6	7

40	An Experiment Study of the Propagation of Radio Waves in a Scaled Model of Long-Wall Coal Mining Tunnels. *IEEE Antennas and Wireless Propagation Letters*, **2009**, 8, 502-504	3.8	6
39	Enrichment of Package Antenna Approach With Dual Feeds, Guard Ring, and Fences of Vias. *IEEE Transactions on Advanced Packaging*, **2009**, 32, 612-618		17
38	16.6- and 28-GHz Fully Integrated CMOS RF Switches With Improved Body Floating. *IEEE Transactions on Microwave Theory and Techniques*, **2008**, 56, 339-345	4.1	34
37	Novel Antenna-in-Package Design in LTCC for Single-Chip RF Transceivers. *IEEE Transactions on Antennas and Propagation*, **2008**, 56, 2079-2088	4.9	22
36	Antenna-in-Package and Transmit–Receive Switch for Single-Chip Radio Transceivers of Differential Architecture. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 3564-3570	3.9	32
35	Integration of Yagi Antenna in LTCC Package for Differential 60-GHz Radio. *IEEE Transactions on Antennas and Propagation*, **2008**, 56, 2780-2783	4.9	57
34	Design and integration of 60-GHz grid array antenna in chip package **2008**,		9
33	LTCC-based compact UWB antenna and its integration study. *Microwave and Optical Technology Letters*, **2008**, 50, 789-793	1.2	2
32	100-GHz Quasi-Yagi Antenna in Silicon Technology. *IEEE Electron Device Letters*, **2007**, 28, 455-457	4.4	23
31	Ultra Compact LTCC Based AiP for 60 GHz Applications **2007**,		3
30	Performance of UWB Impulse Radio With Planar Monopoles Over On-Human-Body Propagation Channel for Wireless Body Area Networks. *IEEE Transactions on Antennas and Propagation*, **2007**, 55, 2907-2914	4.9	40
29	Inter-Chip Wireless Communication Channel: Measurement, Characterization, and Modeling. *IEEE Transactions on Antennas and Propagation*, **2007**, 55, 978-986	4.9	33
28	Propagation Mechanisms of Radio Waves Over Intra-Chip Channels With Integrated Antennas: Frequency-Domain Measurements and Time-Domain Analysis. *IEEE Transactions on Antennas and Propagation*, **2007**, 55, 2900-2906	4.9	73
27	Alternative approach to low-noise amplifier design for ultra-wideband applications. *International Journal of RF and Microwave Computer-Aided Engineering*, **2007**, 17, 153-159	1.5	2
26	Characterization of on-human-body UWB radio propagation channel. *Microwave and Optical Technology Letters*, **2007**, 49, 1365-1371	1.2	22
25	Design and Analysis of Transmit/Receive Switch in Triple-Well CMOS for MIMO Wireless Systems. *IEEE Transactions on Microwave Theory and Techniques*, **2007**, 55, 458-466	4.1	18
24	A 1.5-V 2.6-GHz Inductorless Low-Noise Amplifier in 0.13-$mu{hbox {m}} $ CMOS. *IEEE Transactions on Microwave Theory and Techniques*, **2007**, 55, 2015-2023	4.1	57
23	Design and Experiment on Differentially-Driven Microstrip Antennas. *IEEE Transactions on Antennas and Propagation*, **2007**, 55, 2701-2708	4.9	61

22	CMOS T/R Switch Design: Towards Ultra-Wideband and Higher Frequency. *IEEE Journal of Solid-State Circuits*, **2007**, 42, 563-570	5.5	84
21	Miniaturization of Planar Monopole Antennas for Ultrawide-Band Applications **2007**,		14
20	Co-design of antenna and feeding network in LTCC package for UWB single-chip radios **2007**,		1
19	A CMOS Ultra-Wideband Impulse Radio Transceiver for Interchip Wireless Communications **2007**,		14
18	Probe-fed microstrip antennas loaded with very high-permittivity ceramics. *International Journal of RF and Microwave Computer-Aided Engineering*, **2006**, 16, 454-462	1.5	1
17	Performance of integrated antennas on silicon substrates of high and low resistivities up to 110 GHz for wireless interconnects. *Microwave and Optical Technology Letters*, **2006**, 48, 302-305	1.2	6
16	A novel wireless interconnect technology using impulse radio for interchip communications. *IEEE Transactions on Microwave Theory and Techniques*, **2006**, 54, 1912-1920	4.1	49
15	An Inductorless Low-Noise Amplifier with Noise Cancellation for UWB Receiver Front-End **2006**,		6
14	Practical performance of digital cellular system in mass rapid transit environments. *International Journal of Communication Systems*, **2005**, 18, 143-157	1.7	2
13	FDTD modeling of matched impedance terminating a microstrip line. *International Journal of RF and Microwave Computer-Aided Engineering*, **2005**, 15, 325-328	1.5	2
12	Frequency-band selection for an integrated-circuit package antenna using LTCC technology. *Microwave and Optical Technology Letters*, **2005**, 44, 439-441	1.2	6
11	An LTCC planar ultra-wideband antenna. *Microwave and Optical Technology Letters*, **2004**, 42, 220-222	1.2	26
10	Planar inverted-F antennas loaded with very high permittivity ceramics. *Radio Science*, **2004**, 39, n/a-n/a	1.4	1
9	Cofired laminated ceramic package antenna for single-chip wireless transceivers. *Microwave and Optical Technology Letters*, **2002**, 33, 14-16	1.2	3
8	Time-delay characteristics of in-room UHF radio propagation channels. *Microwave and Optical Technology Letters*, **2002**, 33, 115-119	1.2	2
7	Enhancement of waveguide model for propagation-loss prediction in tunnels. *Microwave and Optical Technology Letters*, **2001**, 30, 10-12	1.2	8
6	Integrated-circuit pressed-ceramic package antenna for the single-chip solution of a wireless transceiver. *Microwave and Optical Technology Letters*, **2001**, 30, 330-332	1.2	4
5	Bandwidth enhancement of a patch antenna of very high-permittivity material. *Microwave and Optical Technology Letters*, **2001**, 28, 98-99	1.2	2

4	A stacked patch antenna of very high-permittivity material. *Microwave and Optical Technology Letters*, **2000**, 27, 395-396	1.2	2
3	Propagation of UHF radio waves in trapezoidal tunnels. *Microwave and Optical Technology Letters*, **1999**, 20, 295-297	1.2	3
2	Excitation of UHF radio waves in tunnels. *Microwave and Optical Technology Letters*, **1999**, 22, 408-410	1.2	5
1	Natural propagation of radio signals in confined spaces. *Microwave and Optical Technology Letters*, **1999**, 23, 38-42	1.2	2