Changjun Liu

List of Publications by Citations

90 papers	951 citations	19 h-index	26 g-index
109 ext. papers	1,222 ext. citations	2.4 avg, IF	4.67 L-index

#	Paper	IF	Citations
90	An SIW Resonator Sensor for Liquid Permittivity Measurements at C Band. *IEEE Microwave and Wireless Components Letters*, **2015**, 25, 751-753	2.6	60
89	Performance characterization of an integrated ultrasound, photoacoustic, and thermoacoustic imaging system. *Journal of Biomedical Optics*, **2012**, 17, 056010	3.5	55
88	A Novel Single-Diode Microwave Rectifier With a Series Band-Stop Structure. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 600-606	4.1	43
87	3-D Printing Implementation of an X-band Eaton Lens for Beam Deflection. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 1487-1490	3.8	36
86	A Novel Low-Pass Filter With an Embedded Band-Stop Structure for Improved Stop-Band Characteristics. *IEEE Microwave and Wireless Components Letters*, **2009**, 19, 629-631	2.6	35
85	A Miniaturized Dual-band Power Divider with Harmonic Suppression for Gsm Applications. *Journal of Electromagnetic Waves and Applications*, **2010**, 24, 81-91	1.3	34
84	A Microstrip Resonator With Slotted Ground Plane for Complex Permittivity Measurements of Liquids. *IEEE Microwave and Wireless Components Letters*, **2008**, 18, 257-259	2.6	33
83	Measurement/computation of effective permittivity of dilute solution in saponification reaction. *IEEE Transactions on Microwave Theory and Techniques*, **2003**, 51, 2106-2111	4.1	31
82	A Facile and General Method for the Encapsulation of Different Types of Imaging Contrast Agents Within Micrometer-Sized Polymer Beads. *Advanced Functional Materials*, **2012**, 22, 764-770	15.6	30
81	Broadband Via-Free Microstrip Balun Using Metamaterial Transmission Lines. *IEEE Microwave and Wireless Components Letters*, **2008**, 18, 437-439	2.6	30
80	Experimental Study on Microwave Power Combining Based on Injection-Locked 15-kW S -Band Continuous-Wave Magnetrons. *IEEE Transactions on Plasma Science*, **2016**, 44, 1291-1297	1.3	25
79	K-Band Frequency-Scanned Leaky-Wave Antenna Based on Composite Right/Left-Handed Transmission Lines. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 1133-1136	3.8	25
78	Novel Dual Mode Substrate Integrated Waveguide Band-Pass Filters. *Journal of Electromagnetic Waves and Applications*, **2010**, 24, 1661-1672	1.3	25
77	A Noninvasive Method for Determining Dielectric Properties of Layered Tissues on Human Back. *Journal of Electromagnetic Waves and Applications*, **2007**, 21, 1829-1843	1.3	25
76	Compact High-Efficiency Broadband Rectifier With Multi-Stage-Transmission-Line Matching. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2019**, 66, 1316-1320	3.5	24
75	A Compact High-Efficiency Broadband Rectifier With a Wide Dynamic Range of Input Power for Energy Harvesting. *IEEE Microwave and Wireless Components Letters*, **2020**, 30, 433-436	2.6	24
74	STUDY ON AN S-BAND RECTENNA ARRAY FOR WIRELESS MICROWAVE POWER TRANSMISSION. *Progress in Electromagnetics Research*, **2013**, 135, 747-758	3.8	24

73	A Novel Power Divider Based on Dual-Composite Right/Left Handed Transmission Line. *Journal of Electromagnetic Waves and Applications*, **2009**, 23, 1173-1180	1.3	23
72	One Octave Bandwidth Rectifier With a Frequency Selective Diode Array. *IEEE Microwave and Wireless Components Letters*, **2018**, 28, 1008-1010	2.6	23
71	Suppressing excitation effects in microwave induced thermoacoustic tomography by multi-view Hilbert transformation. *Applied Physics Letters*, **2017**, 110, 053701	3.4	17
70	An enhanced microwave rectifying circuit using HSMS-282. *Microwave and Optical Technology Letters*, **2009**, 51, 1151-1153	1.2	17
69	Analysis and control of the thermal runaway of ceramic slab under microwave heating. *Science in China Series D: Earth Sciences*, **2008**, 51, 2233-2241		17
68	High-Efficient Rectifier With Extended Input Power Range Based on Self-Tuning Impedance Matching. *IEEE Microwave and Wireless Components Letters*, **2018**, 28, 1116-1118	2.6	17
67	Homogenizing microwave illumination in thermoacoustic tomography by a linear-to-circular polarizer based on frequency selective surfaces. *Applied Physics Letters*, **2017**, 111, 063703	3.4	14
66	Comparative Effects of Linearly and Circularly Polarized Illumination on Microwave-Induced Thermoacoustic Tomography. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1593-1596	3.8	12
65	A COMPACT DUAL-BAND POWER DIVIDER USING PLANAR ARTIFICIAL TRANSMISSION LINES FOR GSM/DCS APPLICATIONS. *Progress in Electromagnetics Research Letters*, **2009**, 10, 185-191	0.5	12
64	Microwave-induced thermoacoustic tomography through an adult human skull. *Medical Physics*, **2019**, 46, 1793-1797	4.4	11
63	AN INTERMODULATION RECYCLING RECTIFIER FOR MICROWAVE POWER TRANSMISSION AT 2.45 GHz. *Progress in Electromagnetics Research*, **2011**, 119, 435-447	3.8	10
62	Experimental Studies on a Four-Way Microwave Power Combining System Based on Hybrid Injection-Locked 20-kW S-Band Magnetrons. *IEEE Transactions on Plasma Science*, **2019**, 47, 243-250	1.3	10
61	Phase-Shifterless Power Controlled Combining Based on 20-kW S-Band Magnetrons With an Asymmetric Injection. *IEEE Electron Device Letters*, **2018**, 39, 1425-1428	4.4	10
60	A C-band microwave rectenna using aperture-coupled antenna array and novel Class-F rectifier with cavity. *Journal of Electromagnetic Waves and Applications*, **2015**, 29, 977-991	1.3	9
59	Design of Microwave Directional Heating System Based on Phased-Array Antenna. *IEEE Transactions on Microwave Theory and Techniques*, **2020**, 68, 4896-4904	4.1	8
58	Ka-Band Dual-Frequency Single-Slot Antenna Based on Substrate Integrated Waveguide. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 221-224	3.8	8
57	Experimental study on an S-band near-field microwave magnetron power transmission system on hundred-watt level. *International Journal of Electronics*, **2015**, 102, 1818-1830	1.2	7
56	Multiband metamaterial structure: Butterfly-pattern resonator. *Microwave and Optical Technology Letters*, **2012**, 54, 2179-2181	1.2	7

55	A Novel Class-C Rectifier With High Efficiency for Wireless Power Transmission. *IEEE Microwave and Wireless Components Letters*, **2020**, 30, 1197-1200	2.6	7
54	Compact Rectifiers With Ultra-wide Input Power Range Based on Nonlinear Impedance Characteristics of Schottky Diodes. *IEEE Transactions on Power Electronics*, **2021**, 36, 7407-7411	7.2	7
53	A Microwave Thermostatic Reactor for Processing Liquid Materials Based on a Heat-Exchanger. *Materials*, **2017**, 10,	3.5	6
52	Design and implementation of compact microwave components with artificial transmission lines. *Journal of Electromagnetic Waves and Applications*, **2013**, 27, 385-395	1.3	5
51	Design of a Novel UWB Omnidirectional Antenna Using Particle Swarm Optimization. *International Journal of Antennas and Propagation*, **2015**, 2015, 1-7	1.2	5
50	A hybrid numerical method to compute erythrocyte TMP in low-frequency electric fields. *IEEE Transactions on Nanobioscience*, **2003**, 2, 104-9	3.4	5
49	Measurement of Near-Field Electromagnetic Emissions and Characterization Based on Equivalent Dipole Model in Time-Domain. *IEEE Transactions on Electromagnetic Compatibility*, **2020**, 62, 1237-1246	2	5
48	A High-Efficiency Microwave Power Combining System Based on Frequency-Tuning Injection-Locked Magnetrons. *IEEE Transactions on Electron Devices*, **2020**, 67, 4447-4452	2.9	5
47	Large field homogeneous illumination in microwave-induced thermoacoustic tomography based on a quasi-conical spiral antenna. *Applied Physics Letters*, **2018**, 113, 123701	3.4	5
46	Compact Patch Rectennas Without Impedance Matching Network for Wireless Power Transmission. *IEEE Transactions on Microwave Theory and Techniques*, **2022**, 1-1	4.1	5
45	Experimental Studies on a 1-kW High-Gain S -Band Magnetron Amplifier With Output Phase Control Based on Load-Pull Characterization. *IEEE Transactions on Plasma Science*, **2018**, 46, 909-916	1.3	4
44	Experimental Study on the Phase Deviation of 20-kW S -Band CW Phase-Locked Magnetrons. *IEEE Microwave and Wireless Components Letters*, **2018**, 28, 509-511	2.6	4
43	Novel miniaturized low-pass filters from artificial transmission line structures. *Journal of Electromagnetic Waves and Applications*, **2014**, 28, 1269-1274	1.3	4
42	A C-band microwave rectifier without capacitors for microwave power transmission. *International Journal of Microwave and Wireless Technologies*, **2015**, 7, 623-628	0.8	4
41	Compact Two-Section Half-Wave Balun Based on Planar Artificial Transmission Lines. *International Journal of Antennas and Propagation*, **2015**, 2015, 1-6	1.2	4
40	Frequency selective surface with switchable polarization. *Microwave and Optical Technology Letters*, **2014**, 56, 515-518	1.2	4
39	NOVEL HIGH SELECTIVE BANDPASS FILTERS INCORPORATED WITH QUASI-LUMPED IMPEDANCE INVERTERS. *Journal of Electromagnetic Waves and Applications*, **2011**, 25, 1382-1390	1.3	4
38	Experimental study and mechanism analysis on bioeffects by nanosecond electromagnetic pulses. *Science in China Series C: Life Sciences*, **1997**, 40, 301-4		4

37	Theoretical and experimental development of a high-conversion-efficiency rectifier at X-band. *International Journal of Microwave and Wireless Technologies*, **2017**, 9, 985-994	0.8	3
36	Simulation and Experiments of an S -Band 20-kW Power-Adjustable Phase-Locked Magnetron. *IEEE Transactions on Plasma Science*, **2017**, 45, 791-797	1.3	3
35	Note: Coaxial apparatus to measure the permittivities of chemical solutions at microwave frequencies. *Review of Scientific Instruments*, **2017**, 88, 046102	1.7	3
34	. *IEEE Transactions on Electromagnetic Compatibility*, **2012**, 54, 1153-1160	2	3
33	Preliminary analysis of chemical reaction under the radiation of electromagnetic wave. *Science Bulletin*, **2000**, 45, 1821-1824		3
32	A Compact High-Efficiency Rectifier With a Simple Harmonic Suppression Structure. *IEEE Microwave and Wireless Components Letters*, **2020**, 30, 1177-1180	2.6	3
31	. *IEEE Transactions on Electromagnetic Compatibility*, **2020**, 62, 1151-1159	2	3
30	Improvements in a 20-kW Phase-Locked Magnetron by Anode Voltage Ripple Suppression. *IEEE Transactions on Plasma Science*, **2020**, 48, 1879-1885	1.3	3
29	Codesign of a Schottky Diode's and Loop Antenna's Impedances for Dual-Band Wireless Power Transmission. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 1813-1817	3.8	3
28	Low-Noise Dual-Way Magnetron Power-Combining System Using an Asymmetric H-Plane Tee and Closed-Loop Phase Compensation. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 69, 2267-2278	4.3	3
27	Wide Input Power Range X-Band Rectifier With Dynamic Capacitive Self-Compensation. *IEEE Microwave and Wireless Components Letters*, **2021**, 31, 525-528	2.6	3
26	Design of a High-Conversion-Efficiency X-Band Rectifier for Microwave Wireless Power Transmission **2018**,		3
25	A Substrate Integrated Waveguide Resonator Sensor for Dual-Band Complex Permittivity Measurement. *Processes*, **2022**, 10, 708	2.9	3
24	A high gain and simple-structured dielectric resonator antenna array with cylindrical rods and microstrip feeding. *International Journal of Applied Electromagnetics and Mechanics*, **2015**, 47, 433-440	0.4	2
23	High-Efficiency Rectifier with Wide Input Power Rage Based on a Small Capacitor in Parallel with the Diode **2019**,		2
22	Some Amendments to Field-to-Wire Coupling in an Electrically Large Cavity: A Semianalytic Solution *IEEE Transactions on Electromagnetic Compatibility*, **2012**, 54, 232-234	2	2
21	A C-band microwave rectifier based on harmonic termination and with input filter removed **2017**,		2
20	Microwave power combining system based on two injection-locked 15 kW CW magnetrons **2015**,		2

19	On the Relation between Composite Right-/Left-Handed Transmission Lines and Chebyshev Filters. *International Journal of Microwave Science and Technology*, **2009**, 2009, 1-8		2
18	Miniaturized microstrip cross-coupled bandpass filter using novel stepped impedance resonators with a desirable upper stopband. *Microwave and Optical Technology Letters*, **2008**, 50, 1270-1273	1.2	2
17	On the relation between a negative refractive index transmission line and chebyshev filters **2007**,		2
16	Cell deformation and increase of cytotoxicity of anticancer drugs due to low-intensity transient electromagnetic pulses. *IEEE Transactions on Plasma Science*, **2000**, 28, 150-154	1.3	2
15	Experimental study and mechanism analysis on cell electroporation due to low-intensity transient electromagnetic pulses. *Science Bulletin*, **1999**, 44, 2040-2044		2
14	Modeling and Experiments of an Injection-Locked Magnetron With Various Load Reflection Levels. *IEEE Transactions on Electron Devices*, **2020**, 67, 3802-3808	2.9	2
13	Design of a Suspended Stripline Dual-Band Band-Stop Filter Loaded With Short-Ended Waveguide Stubs Embedded in the Metal Housing. *IEEE Microwave and Wireless Components Letters*, **2020**, 30, 1025-1028	2.6	1
12	Broadband compact 180□phase shifter based on dumbbell shaped slow wave line. *Microwave and Optical Technology Letters*, **2020**, 62, 2857-2860	1.2	1
11	High-gain planar array designed by using fragmented slots. *International Journal of RF and Microwave Computer-Aided Engineering*, **2014**, 24, 382-388	1.5	1
10	A novel dual-frequency microwave rectifier at 2.45 and 5.8 GHz with harmonic recycling. *Journal of Electromagnetic Waves and Applications*, **2013**, 27, 707-715	1.3	1
9	Experimental studies on a low power injection-locked continuous wave magnetron **2017**,		1
8	Comments on □Planar Artificial Transmission Lines Loading for Miniturization of RFID Printed Quasi-Yagi Antenna□*IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 1815-1815	3.8	1
7	Compact half-wave balun using microstrip and lumped-element artificial transmission lines **2012**,		1
6	A microstrip diplexer from metamaterial transmission lines **2009**,		1
5	A compact hollowed-out loop rectenna without matching network for wireless sensor applications. *International Journal of RF and Microwave Computer-Aided Engineering*, **2020**, 30, e22417	1.5	1
4	Low-Power Wireless Uplink Utilizing Harmonic With an Integrated Rectifier□ransmitter. *IEEE Microwave and Wireless Components Letters*, **2021**, 31, 200-203	2.6	1
3	Study on microwave coherent power combining based on 20-kW S-band CW power-adjustable magnetrons. *Journal of Electromagnetic Waves and Applications*, **2017**, 31, 1835-1842	1.3	0
2	Investigation on Rectifiers and Rectennas with Various Input Power Levels for the Applications of Space Solar Power Station. *Advances in Astronautics Science and Technology*,1	0.3	

1 A 5Bit CMOS attenuator with low temperature and process variations for Ka-band phased-array applications. *Microwave and Optical Technology Letters*, **2021**, 63, 2370 1.2