

Guangjun Wen

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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.

102
papers

920
citations

15
h-index

26
g-index

155
ext. papers

1,229
ext. citations

3.1
avg. IF

4.64
L-index

#	Paper	IF	Citations
102	Intermittent Magnetic Field Monitoring System Based on Passive RFID Sensor Tags. <i>IEEE Sensors Journal</i> , 2022 , 22, 819-831	4	1
101	A True Random Number Generator Based on ADC Random Interval Sampling. <i>Communications in Computer and Information Science</i> , 2022 , 705-714	0.3	
100	A Nonlinear Rectifying Diode Model for Low and High Power Levels in Microwave Regime. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 1-4	2.6	
99	A Time-Efficient Protocol for Unknown Tag Identification in Large-Scale RFID Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
98	A Novel TRNG Based on Traditional ADC Nonlinear Effect and Chaotic Map for IoT Security and Anticollision. <i>Security and Communication Networks</i> , 2021 , 2021, 1-16	1.9	
97	CPEH: A Clustering Protocol for the Energy Harvesting Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-14	1.9	2
96	Microwave Airy Beam Generation With Microstrip Patch Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2290-2301	4.9	2
95	Focus Beam Synthesis With Circular Antenna Array Based on Radial Waveguide Feed Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 748-752	3.8	
94	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9244-9256	10.7	2
93	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 916-925	4.1	10
92	Electromagnetic Metasurfaces and Reconfigurable Metasurfaces: A Review. <i>Frontiers in Physics</i> , 2021 , 8,	3.9	9
91	Low Profile Metal Tolerant UHF RFID Tag With Lumped Elements For Post-Manufacturing Frequency Tuning. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	5
90	Dual Orthogonal Port Stacked Patch Antenna With Vertical Pins For Simultaneous Transmit And Receive Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0
89	An Efficient Information Sampling Method for Multi-Category RFID Systems. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 2056-2060	5.9	0
88	Cable Current Detection With Passive RF Sensing Tags. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
87	Design of Discrete Apertures for High Efficiency Wireless Power Transfer. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
86	Experimental Demonstration of Microwave Two-Dimensional Airy Beam Generation Based on Single-Layer Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7507-7516	4.9	10

85	Performance of non-orthogonal multiple access: analysis using compute-and-forward cooperative relaying in 5G networks. <i>IET Communications</i> , 2020 , 14, 3058-3064	1.3	0
84	Optimization of Large Antenna Arrays for Radiative Wireless Power Transfer 2020 ,		1
83	Compact and High Efficiency Rectifier Design based on Microstrip Coupled Transmission Line for Energy Harvesting 2020 ,		1
82	. <i>IEEE Access</i> , 2020 , 8, 189163-189178	3.5	3
81	Circular multi-usage RFID tag antenna with coding ability for chipless application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22432	1.5	0
80	Clustering the Wireless Sensor Networks: A Meta-Heuristic Approach. <i>IEEE Access</i> , 2020 , 8, 214551-214564	3.5	13
79	Screw Relaxing Detection With UHF RFID Tag. <i>IEEE Access</i> , 2020 , 8, 78553-78564	3.5	6
78	Multihop Distance-Bounding for Improving Security and Efficiency of Ad-Hoc Networks. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5312-5323	10.7	0
77	Experimental investigations of wave-DSRR interactions in liquid-phase media. <i>Applied Physics Letters</i> , 2019 , 114, 144101	3.4	1
76	Compact Crossed Dipole Antenna With Meandered Series Power Divider for UHF RFID Tag and Handheld Reader Devices. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4195-4199	4.9	11
75	A Circularly Polarized Antenna Array with Gain Enhancement for Long-Range UHF RFID Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 400	2.6	9
74	38-GHz SIW Filter based on the stepped-impedance face-to-face E-shaped DGSs for 5G application. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 1500-1504	1.2	2
73	A Compact High-Efficiency Watt-Level Microwave Rectifier With a Novel Harmonic Termination Network. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 418-420	2.6	14
72	Simulation for Propagation of High-Power Microwave With Repeated Monopulses in Soil. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1308-1311	3.8	0
71	Design and radiation mechanism analysis of a multi-usage ultra-high frequency radio frequency identification tag antenna. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1989-1996	1.6	2
70	Low-Cost Air Gap Metasurface Structure for High Absorption Efficiency Energy Harvesting. <i>International Journal of Antennas and Propagation</i> , 2019 , 2019, 1-8	1.2	6
69	Fast and Automatic RF Design Based on MATLAB-HFSS Control Applied on Magnetic Absorber with Metasurface 2019 ,		1
68	A High-Efficiency Inverse Class-F Microwave Rectifier for Wireless Power Transmission. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 725-728	2.6	12

67	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 1342-1354	3.9	14
66	. <i>IEEE Journal of Solid-State Circuits</i> , 2019 , 54, 428-440	5.5	30
65	A Compact Broadband Cross-Shaped Circularly Polarized Planar Monopole Antenna With a Ground Plane Extension. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 335-338	3.8	45
64	A CPW-fed broadband quasi-Yagi antenna with low cross-polarization performance. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 83, 188-192	2.8	7
63	Antenna Array Synthesis for RFID-Based Electronic Toll Collection. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 4596-4605	4.9	14
62	Linear optimization of antenna array for radiation pattern defined on a planar surface. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 2030-2045	1.3	0
61	Phase Masking and Time-Frequency Chaotic Encryption for DFMA-PON. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-9	1.8	13
60	Integrated Data and Energy Communication Network: A Comprehensive Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 3169-3219	37.1	57
59	An indoor FMCW localization system with the application of the extended Kalman filter 2018 ,		2
58	Propagation range enhancement of truncated airy beam with antenna array at microwave frequencies 2018 ,		4
57	Wideband Low Axial Ratio and High-Gain Sequentially Rotated Antenna Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2264-2268	3.8	8
56	High Efficiency Electromagnetic Energy Harvesting with Metasurface 2018 ,		2
55	Dynamics Analysis of a Pair of Ring Resonators in Liquid Media. <i>Physical Review Applied</i> , 2018 , 10,	4.3	5
54	Sequentially Rotated Circular Antenna Array With Curved PIFA and Series Feed Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5849-5858	4.9	9
53	Compact Wideband CPW-Fed Meandered-Slot Antenna With Slotted Y-Shaped Central Element for Wi-Fi, WiMAX, and 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7395-7399	4.9	23
52	Compact UHF RFID Tag Antenna for Application of Domestic Animals Management 2018 ,		2
51	A Compact Broadband Circularly Polarized Slot Antenna With Two Linked Rectangular Slots and an Inverted-F Feed Line. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7374-7377	4.9	17
50	CPW slot antenna with Y-shaped central monopole and matching arms. <i>International Journal of Microwave and Wireless Technologies</i> , 2018 , 10, 1166-1174	0.8	1

49	A Highly Linear Wideband CMOS LNTA Employing Noise/Distortion Cancellation and Gain Compensation. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 474-494	2.2	12
48	Switching scheme with 98.4% switching energy reduction and high accuracy for SAR ADCs. <i>Analog Integrated Circuits and Signal Processing</i> , 2017 , 90, 681-686	1.2	12
47	Wideband transition between rectangular waveguide and microstrip using asymmetric fin line probe. <i>Electronics Letters</i> , 2017 , 53, 490-492	1.1	2
46	Wideband SIW H-plane dual-ridged end-fire antenna for conformal application. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 286-292	1.2	3
45	Design of a Microstrip Series Power Divider for Sequentially Rotated Nonuniform Antenna Array. <i>International Journal of Antennas and Propagation</i> , 2017 , 2017, 1-8	1.2	7
44	Synchronization in air-slot photonic crystal optomechanical oscillators. <i>Applied Physics Letters</i> , 2017 , 110, 111107	3.4	5
43	A low-frequency chip-scale optomechanical oscillator with 58 kHz mechanical stiffening and more than 100-order stable harmonics. <i>Scientific Reports</i> , 2017 , 7, 4383	4.9	3
42	Wideband cavity-backed log-periodic-slot end-fire antenna with vertical polarization for conformal application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017 , 27, e21067	1.5	2
41	Second-order DAC MES for SAR ADCs. <i>Electronics Letters</i> , 2017 , 53, 1570-1572	1.1	6
40	Compact CP antenna based on resonant quadrifilar spiral structure for UHF RFID handheld reader 2017 ,		1
39	Comparison among different feed network topologies for sequential rotated antenna array 2017 ,		1
38	A 255nW 138kHz RC oscillator for ultra-low power applications 2016 ,		1
37	Communication area synthesis for next generation highway ETC systems 2016 ,		3
36	An Effective Frame Breaking Policy for Dynamic Framed Slotted Aloha in RFID. <i>IEEE Communications Letters</i> , 2016 , 20, 692-695	3.8	39
35	Polarization conversion of metasurface for the application of wide band low-profile circular polarization slot antenna. <i>Applied Physics Letters</i> , 2016 , 109, 054101	3.4	83
34	Wide-band CPW-fed slot antenna with parasitic directors for end-fire radiation. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1734-1739	1.6	2
33	Planar antenna array design considerations for RFID electronic toll collection system 2016 ,		2
32	A 4 dBm IP1dB 20.8 dBm UP3 wideband complementary SF feedback LNTA with derivative superposition method 2016 ,		7

31	A wide-band cavity-backed slot antenna for end-fire radiation. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 193-196	1.2	3
30	Compact and high-selectivity microstrip bandpass filter using two-stage twist-modified asymmetric split-ring resonators. <i>Electronics Letters</i> , 2015 , 51, 635-637	1.1	12
29	An all-CMOS self-compensated relaxation oscillator. <i>Analog Integrated Circuits and Signal Processing</i> , 2015 , 82, 241-249	1.2	2
28	Design Techniques for Ultra-Low Voltage Comparator Circuits. <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 1550013	0.9	1
27	A New RFID Anti-collision Algorithm Based on the Q-Ary Search Scheme. <i>Chinese Journal of Electronics</i> , 2015 , 24, 679-683	0.9	18
26	A Low-Power Edge Detection Technique for Sensor Wake-Up Applications. <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 1550157	0.9	3
25	6.8mW 15dBm IIP3 CMOS common-gate LNA employing post-linearisation technique. <i>Electronics Letters</i> , 2014 , 50, 149-151	1.1	16
24	An integrated low phase noise radiation-pressure-driven optomechanical oscillator chipset. <i>Scientific Reports</i> , 2014 , 4, 6842	4.9	31
23	Growth and characterization of indium phosphide nanowires on transparent conductive ZnO:Al films. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 4444-4449	2.1	4
22	Compact microstrip triplexer based on twist-modified asymmetric split-ring resonators. <i>Electronics Letters</i> , 2014 , 50, 1712-1713	1.1	11
21	Systematical analysis for the mixed couplings of two adjacent modified split ring resonators and the application to compact microstrip bandpass filters. <i>AIP Advances</i> , 2014 , 4, 107119	1.5	8
20	A low power CMOS voltage reference generator with temperature and process compensation. <i>Analog Integrated Circuits and Signal Processing</i> , 2014 , 81, 313-324	1.2	1
19	A Wideband Conformal End-Fire Antenna Array Mounted on a Large Conducting Cylinder. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4857-4861	4.9	33
18	QoS guarantees of multiuser video streaming over wireless links: Delay constraint and packet priority drop. <i>China Communications</i> , 2013 , 10, 133-144	3	3
17	Analysis of metamaterial absorber in normal and oblique incidence by using interference theory. <i>AIP Advances</i> , 2013 , 3, 102118	1.5	64
16	Multiband Negative Permittivity Metamaterials and Absorbers. <i>Advances in OptoElectronics</i> , 2013 , 2013, 1-7	0.5	2
15	Optimal Contention Window Adjustment for Asymmetry Traffic in Erroneous Channels over IEEE802.11 WLANs. <i>IEICE Transactions on Communications</i> , 2013 , E96.B, 1149-1157	0.5	
14	Design of wideband conformal end-fire antenna array on a large conducting cylinder 2012 ,		2

13	Dual-Band Negative Permittivity Metamaterial Based on Cross Circular Loop Resonator With Shorting Stubs. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 803-806	3.8	29
12	Single-/dual-band metamaterial absorber based on cross-circular-loop resonator with shorted stubs. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 108, 329-335	2.6	33
11	A Novel Balanced Amplifier Based on HMSIW Coupler. <i>Frequenz</i> , 2012 , 66,	0.6	1
10	A Novel Wideband Spatial Power Combining Amplifier Based on Turnstile-Junction Waveguide Divider/Combiner. <i>IEICE Transactions on Electronics</i> , 2011 , E94-C, 1479-1482	0.4	0
9	Video Stream Groupcast Optimization in WLAN 2010 ,		11
8	A Novel Spatial Power Combining Amplifier Based on Quasi-Yagi Antenna. <i>IEICE Transactions on Electronics</i> , 2010 , E93-C, 416-419	0.4	0
7	A Novel Coupler Based on HMSIW. <i>IEICE Transactions on Electronics</i> , 2010 , E93-C, 205-207	0.4	2
6	A Novel Spatial Power Combiner Amplifier Based on SIW/HMSIW. <i>IEICE Transactions on Electronics</i> , 2009 , E92-C, 1098-1101	0.4	1
5	Left handed metamaterial with $\epsilon = -1$ and $\mu = 1$ and some applications 2009 ,		1
4	A Novel Four-Way Ka-Band Spatial Power Combiner Based on HMSIW. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 515-517	2.6	39
3	A novel approach to design microwave medium of negative refractive index and simulation verification. <i>Science Bulletin</i> , 2007 , 52, 433-439		8
2	Comments on "subwavelength focusing using a negative-refractive-index transmission line". <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 659-660	3.8	1
1	A Modified High Order FDTD Method Based on Wave Equation. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 316-318	2.6	4