

# Ronglin Li

## List of Publications by Year in descending order

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100  
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docs citations

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times ranked

1962  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aperture-Shared Dual-Band Antennas With Partially Reflecting Surfaces for Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 3195-3207.	3.1	19
2	A Triband SIW Cavity-Backed Differentially Fed Dual-Polarized Slot Antenna for WiFi/5G Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 8209-8214.	3.1	21
3	Embeddable Structure for Reducing Mutual Coupling in Massive MIMO Antennas. IEEE Access, 2020, 8, 195102-195112.	2.6	16
4	Experimental Observation of Linear and Rotational Doppler Shifts from Several Designer Surfaces. Scientific Reports, 2019, 9, 8971.	1.6	25
5	A Wideband Crossed-Dipole Antenna for LTE700/GSM850/GSM900 Base Stations. , 2019, , .		2
6	AMC surface based on spiral strips and its applications for low-profile broadband planar antennas. IET Microwaves, Antennas and Propagation, 2019, 13, 326-333.	0.7	4
7	Development of polarisation reconfigurable omnidirectional antennas using crossed dipoles. IET Microwaves, Antennas and Propagation, 2019, 13, 485-491.	0.7	8
8	A Low-Profile Broadband Quad-Polarization Reconfigurable Omnidirectional Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 4178-4183.	3.1	24
9	A Broadband Wide-Beam Circularly Polarized Antenna Array for Urban Macrocell Base Stations. IEEE Transactions on Antennas and Propagation, 2019, 67, 3478-3483.	3.1	16
10	A Compact Tri-Band Horizontally Polarized Omnidirectional Antenna for UAV Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 601-605.	2.4	37
11	Dual-Polarized Dual-Dipole Antenna with Low Mutual Coupling for Massive MIMO. , 2019, , .		1
12	A High-Gain Quad-Polarization Reconfigurable Antenna. , 2019, , .		0
13	Rotational Doppler Effect of Spinning Metasurface in Radar System. , 2019, , .		0
14	A Broadband Flush-Mountable Dual-Polarized Dual-Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 501-504.	2.4	10
15	A New Decoupling Method for Massive MIMO Antennas. , 2018, , .		4
16	A Quad-Polarization Reconfigurable Omnidirectional Antenna. , 2018, , .		4
17	Experimental Demonstration and System Evaluation of OAM-like Spatial Diveristy from Two Linear Antenna Arrays. , 2018, , .		0
18	Broadband quad-polarisation reconfigurable antenna. Electronics Letters, 2018, 54, 1199-1200.	0.5	16

#	ARTICLE	IF	CITATIONS
19	Tri-band dual-polarised omnidirectional antenna with high isolation for unmanned aerial vehicle applications. Electronics Letters, 2018, 54, 1059-1060.	0.5	7
20	A New High-Isolation Broadband Flush-Mountable Dual-Polarized Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 7342-7347.	3.1	17
21	Bandwidth-Enhanced Broadband Dual-Polarized Antennas for 2G/3G/4G and IMT Services. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1702-1706.	2.4	36
22	Theory and Realization of a Pattern-Reconfigurable Antenna Based on Two Dipoles. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1291-1295.	2.4	22
23	A Broadband Differentially Fed Dual-Polarized Planar Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 3231-3234.	3.1	46
24	Investigation of multi-beam multi-port MIMO antennas for WLAN/WiMAX applications. , 2017, , .		1
25	An Orbital Angular Momentum (OAM) Mode Reconfigurable Antenna for Channel Capacity Improvement and Digital Data Encoding. Scientific Reports, 2017, 7, 9852.	1.6	29
26	Evaluation of dual-polarised triple-band multi-beam MIMO antennas for WLAN/WiMAX applications. IET Microwaves, Antennas and Propagation, 2017, 11, 1469-1475.	0.7	12
27	Analysis and design of a broadband dual-polarized planar antenna for 2G/3G/4G base stations. , 2017, , .		8
28	A Broadband Dual-Polarized Dual-OAM-Mode Antenna Array for OAM Communication. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 744-747.	2.4	94
29	A simple circularly polarized antenna array for millimeter-wave applications. , 2017, , .		3
30	Broadband dual-polarized cavity-backed slot antennas. , 2017, , .		0
31	4.8-Gbit/s broadband orbital angular momentum and polarization multiplexing at radio frequency. , 2017, , .		1
32	Multi-polarization reconfigurable omnidirectional antenna. , 2017, , .		3
33	Broadband Vertically/Horizontally Dual-Polarized Antenna for Base Stations. International Journal of Antennas and Propagation, 2017, 2017, 1-9.	0.7	5
34	Novel multiband/broadband horizontally polarized omnidirectional antennas. , 2016, , .		4
35	Broadband vertically/horizontally dual-polarized antenna for base stations. , 2016, , .		2
36	Multiband planar antenna for LTE/GSM/UMTS and WLAN/WiMAX handsets. IET Microwaves, Antennas and Propagation, 2016, 10, 502-506.	0.7	31

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37	Delay in Space: Orbital Angular Momentum Beams Transmitting and Receiving in Radio Frequency. Electromagnetics, 2016, 36, 409-421.	0.3	6
38	A novel pattern reconfigurable antenna. , 2016, , .		5
39	OAM-based communication channel using delay in space: Helicoidal array and crossed array. , 2016, , .		0
40	Investigation of a Triple-Band Multibeam MIMO Antenna for Wireless Access Points. IEEE Transactions on Antennas and Propagation, 2016, 64, 1234-1241.	3.1	38
41	A Broadband Dual-Polarized Omnidirectional Antenna Based on Orthogonal Dipoles. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1257-1260.	2.4	65
42	A novel digital data transmission method using OAM modes. , 2015, , .		2
43	A novel broadband AMC surface for lowering the height of planar antennas. , 2015, , .		7
44	A novel dual-polarized broadband planar antenna for base stations. , 2015, , .		5
45	A dual-polarized triple-band MIMO antenna for WLAN/WiMAX applications. , 2015, , .		4
46	A Novel Broadband Circularly Polarized Antenna Based on Off-Center-Fed Dipoles. IEEE Transactions on Antennas and Propagation, 2015, 63, 5296-5304.	3.1	27
47	Wideband Omnidirectional Circularly Polarized Antenna Based on Tilted Dipoles. IEEE Transactions on Antennas and Propagation, 2015, 63, 5961-5966.	3.1	39
48	A Broadband Dual-Polarized Planar Antenna for 2G/3G/LTE Base Stations. IEEE Transactions on Antennas and Propagation, 2014, 62, 4836-4840.	3.1	273
49	Efficient unconditionally stable one-step leapfrog ADI-FDTD method with low numerical dispersion. IET Microwaves, Antennas and Propagation, 2014, 8, 337-345.	0.7	12
50	Analysis and Design of a 45 <sup>°</sup> Slant-Polarized Omnidirectional Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 86-93.	3.1	38
51	A broadband dual-polarized four-leaf clover antenna for base stations. , 2014, , .		1
52	A Multi-Broadband Planar Antenna for GSM/ UMTS/LTE and WLAN/WiMAX Handsets. IEEE Transactions on Antennas and Propagation, 2014, 62, 2856-2860.	3.1	57
53	Preamble-aided time delay estimation in frequency selective channels for wireless OFDM systems. Journal of Engineering, 2014, 2014, 450-452.	0.6	0
54	Development of a directional dual-band planar antenna for wireless applications. IET Microwaves, Antennas and Propagation, 2013, 7, 245-250.	0.7	9

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55	A Broadband Dual-Polarized Omnidirectional Antenna for Base Stations. IEEE Transactions on Antennas and Propagation, 2013, 61, 943-947.	3.1	137
56	Sink Node Placement Strategies for Wireless Sensor Networks. Wireless Personal Communications, 2013, 68, 303-319.	1.8	29
57	A Novel Broadband Planar Antenna for 2G/3G/LTE Base Stations. IEEE Transactions on Antennas and Propagation, 2013, 61, 2767-2774.	3.1	130
58	Novel Dual-Broadband Planar Antenna and Its Array for 2G/3G/LTE Base Stations. IEEE Transactions on Antennas and Propagation, 2013, 61, 1132-1139.	3.1	131
59	A Shared-Aperture Dual-Band Planar Array With Self-Similar Printed Folded Dipoles. IEEE Transactions on Antennas and Propagation, 2013, 61, 606-613.	3.1	77
60	Broadband dual-frequency and dual-polarized antennas for GSM/3G/LTE base stations. , 2012, , .		0
61	Novel broadband omnidirectional antennas. , 2012, , .		5
62	Broadband dual-polarized omnidirectional antennas. , 2012, , .		8
63	Analysis and Design of a Compact Dual-Band Directional Antenna. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 547-550.	2.4	68
64	A Scalable Solar Antenna for Autonomous Integrated Wireless Sensor Nodes. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 510-513.	2.4	32
65	A Novel Dual-Band MIMO Antenna Array With Low Mutual Coupling for Portable Wireless Devices. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1039-1042.	2.4	87
66	A Novel Multiband Planar Antenna for GSM/UMTS/LTE/Zigbee/Rfid Mobile Devices. IEEE Transactions on Antennas and Propagation, 2011, 59, 4209-4214.	3.1	76
67	A novel broadband omni-directional circularly polarized antenna for mobile communications. , 2011, , .		3
68	Broadband UHF RFID tag antenna with parasitic patches for metallic objects. Microwave and Optical Technology Letters, 2011, 53, 1467-1470.	0.9	6
69	A compact broadband MIMO antenna for mobile handset applications. Microwave and Optical Technology Letters, 2011, 53, 2773-2776.	0.9	6
70	Single sink node placement strategy in wireless sensor networks. , 2011, , .		5
71	Switchable Quad-Band Antennas for Cognitive Radio Base Station Applications. IEEE Transactions on Antennas and Propagation, 2010, 58, 1468-1476.	3.1	85
72	A compact broadband MIMO antenna for mobile handset applications. , 2010, , .		5

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73	A mechanically stable, low profile, omni-directional solar-cell integrated antenna for outdoor wireless sensor nodes. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	7
74	Equivalent-Circuit Analysis of a Broadband Printed Dipole With Adjusted Integrated Balun and an Array for Base Station Applications. IEEE Transactions on Antennas and Propagation, 2009, 57, 2180-2184.	3.1	174
75	Development of a Cavity-Backed Broadband Circularly Polarized Slot/Strip Loop Antenna With a Simple Feeding Structure. IEEE Transactions on Antennas and Propagation, 2008, 56, 312-318.	3.1	57
76	A Novel Low-Profile Broadband Dual-Frequency Planar Antenna for Wireless Handsets. IEEE Transactions on Antennas and Propagation, 2008, 56, 1155-1162.	3.1	57
77	A multiband/scalable reconfigurable antenna for cognitive radio base stations. , 2008, , .		9
78	Development of Multi-Broadband Planar Wire Antennas for Wireless Applications. Wireless Personal Communications, 2007, 42, 1-11.	1.8	3
79	A Circularly Polarized Short Backfire Antenna Excited by an Unbalance-Fed Cross Aperture. IEEE Transactions on Antennas and Propagation, 2006, 54, 852-859.	3.1	27
80	Broadband circularly polarized rectangular loop antenna with impedance matching. IEEE Microwave and Wireless Components Letters, 2006, 16, 52-54.	2.0	20
81	Low-Profile Broadband and Dual-Frequency Two-Strip Planar Monopole Antennas. , 2006, , .		6
82	Bandwidth and gain improvement of a circularly polarized dual-rhombic loop antenna. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 84-87.	2.4	34
83	A cavity-backed broadband circularly polarized slot/strip loop antenna with a simple feeding structure. , 2006, , .		0
84	Development of a wide-band short backfire antenna excited by an unbalance-fed H-shaped slot. IEEE Transactions on Antennas and Propagation, 2005, 53, 662-671.	3.1	28
85	Determination of reactance loading for circularly polarized circular loop antennas with a uniform traveling-wave current distribution. IEEE Transactions on Antennas and Propagation, 2005, 53, 3920-3929.	3.1	37
86	A new excitation technique for wide-band short backfire antennas. IEEE Transactions on Antennas and Propagation, 2005, 53, 2313-2320.	3.1	12
87	Radiation-pattern improvement of patch antennas on a large-size substrate using a compact soft-surface structure and its realization on LTCC multilayer technology. IEEE Transactions on Antennas and Propagation, 2005, 53, 200-208.	3.1	78
88	Investigation of circularly polarized loop antennas with a parasitic element for bandwidth enhancement. IEEE Transactions on Antennas and Propagation, 2005, 53, 3930-3939.	3.1	82
89	FDTD Analysis of Patch Antennas on High Dielectric-Constant Substrates Surrounded by a Soft-and-Hard Surface. IEEE Transactions on Magnetics, 2004, 40, 1444-1447.	1.2	8
90	Integrable miniaturized folded antennas for RFID applications. , 2004, , .		8

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91	Radiation-pattern improvement of patch antennas using a compact soft/hard surface (SHS) structure on LTCC multilayer technology. , 2004, , .		7
92	Development and Analysis of a Folded Shorted-Patch Antenna With Reduced Size. IEEE Transactions on Antennas and Propagation, 2004, 52, 555-562.	3.1	95
93	Design of Compact Stacked-Patch Antennas in LTCC Multilayer Packaging Modules for Wireless Applications. IEEE Transactions on Advanced Packaging, 2004, 27, 581-589.	1.7	76
94	Unidirectional printed loop antenna. , 2003, , .		16
95	Broadband loop antenna for DCS-1800/IMT-2000 mobile phone handsets. IEEE Microwave and Wireless Components Letters, 2002, 12, 305-307.	2.0	13
96	Novel small folded shorted-patch antennas. , 0, , .		12
97	LTCC multilayer based CP patch antenna surrounded by a soft-and-hard surface for GPS applications. , 0, , .		4
98	Novel multi-band broadband planar wire antennas for wireless communication handheld terminals. , 0, , .		12
99	Circular Loop Antennas Reactively Loaded for a Uniform Traveling-Wave Current Distribution. , 0, , .		4
100	New short backfire antennas for wireless applications. , 0, , .		1