

# Qi Luo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1916716/publications.pdf>

Version: 2024-02-01

97  
papers

2,656  
citations

186265

28  
h-index

233421

45  
g-index

103  
all docs

103  
docs citations

103  
times ranked

1901  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Shared-Aperture Dual-Band Dual-Polarized Filtering-Antenna-Array With Improved Frequency Response. IEEE Transactions on Antennas and Propagation, 2017, 65, 1836-1844.	5.1	201
2	Single-Feed Ultra-Wideband Circularly Polarized Antenna With Enhanced Front-to-Back Ratio. IEEE Transactions on Antennas and Propagation, 2016, 64, 355-360.	5.1	108
3	Compact-Size Low-Profile Wideband Circularly Polarized Omnidirectional Patch Antenna With Reconfigurable Polarizations. IEEE Transactions on Antennas and Propagation, 2016, 64, 2016-2021.	5.1	104
4	Low-Cost X/Ku/Ka-Band Dual-Polarized Array With Shared Aperture. IEEE Transactions on Antennas and Propagation, 2017, 65, 3520-3527.	5.1	95
5	Polarization-Reconfigurable Circularly Polarized Planar Antenna Using Switchable Polarizer. IEEE Transactions on Antennas and Propagation, 2017, 65, 4470-4477.	5.1	85
6	A Simple Low-Cost Shared-Aperture Dual-Band Dual-Polarized High-Gain Antenna for Synthetic Aperture Radars. IEEE Transactions on Antennas and Propagation, 2016, 64, 2914-2922.	5.1	84
7	Compact Smart Antenna With Electronic Beam-Switching and Reconfigurable Polarizations. IEEE Transactions on Antennas and Propagation, 2015, 63, 5325-5333.	5.1	73
8	Design and Analysis of a Reflectarray Using Slot Antenna Elements for Ka-band SatCom. IEEE Transactions on Antennas and Propagation, 2015, 63, 1365-1374.	5.1	69
9	Wideband Transmitarray With Reduced Profile. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 450-453.	4.0	69
10	Dual-Band Eight-Element MIMO Array Using Multi-Slot Decoupling Technique for 5G Terminals. IEEE Access, 2019, 7, 153910-153920.	4.2	67
11	Compact Dual-Polarized Shared-Dipole Antennas for Base Station Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 6826-6834.	5.1	60
12	Wideband Circularly Polarized Fabry-Perot Antenna [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2015, 57, 127-135.	1.4	58
13	An Ultra-Wide-Band Tightly Coupled Dipole Reflectarray Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 533-540.	5.1	58
14	Single-Layer Wideband Circularly Polarized High-Efficiency Reflectarray for Satellite Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 4529-4538.	5.1	51
15	Dual-Polarized and Wide-Angle Scanning Microstrip Phased Array. IEEE Transactions on Antennas and Propagation, 2018, 66, 3775-3780.	5.1	47
16	A Low-Cost Differentially Driven Dual-Polarized Patch Antenna by Using Open-Loop Resonators. IEEE Transactions on Antennas and Propagation, 2019, 67, 2745-2750.	5.1	43
17	Millimeter-Wave Dual-Polarized Differentially Fed 2-D Multibeam Patch Antenna Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 7007-7016.	5.1	42
18	A Wideband Dual-Polarized Antenna Using Shorted Dipoles. IEEE Access, 2018, 6, 39725-39733.	4.2	40

#	ARTICLE	IF	CITATIONS
19	Wide-angle scanning active transmit/receive reflectarray. IET Microwaves, Antennas and Propagation, 2014, 8, 811-818.	1.4	39
20	Dual Circularly Polarized Equilateral Triangular Patch Array. IEEE Transactions on Antennas and Propagation, 2016, 64, 2255-2262.	5.1	38
21	A Triband Low-Profile High-Gain Planar Antenna Using Fabry-Pérot Cavity. IEEE Transactions on Antennas and Propagation, 2017, 65, 2683-2688.	5.1	37
22	Cavity-Backed Slot-Coupled Patch Antenna Array With Dual Slant Polarization for Millimeter-Wave Base Station Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 1404-1413.	5.1	37
23	Wideband Loop Antenna With Electronically Switchable Circular Polarization. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 242-245.	4.0	36
24	A Waveguide Slot Filtering Antenna With an Embedded Metamaterial Structure. IEEE Transactions on Antennas and Propagation, 2019, 67, 2953-2960.	5.1	36
25	A Wideband Circularly Polarized Tightly Coupled Array. IEEE Transactions on Antennas and Propagation, 2018, 66, 6382-6387.	5.1	35
26	Analysis and Design of Ultrawideband Circularly Polarized Antenna and Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 7842-7853.	5.1	32
27	Inverted-S Antenna With Wideband Circular Polarization and Wide Axial Ratio Beamwidth. IEEE Transactions on Antennas and Propagation, 2017, 65, 1740-1748.	5.1	30
28	Wideband multilayer dual circularly polarised antenna for array application. Electronics Letters, 2015, 51, 2087-2089.	1.0	29
29	Compact Wideband Folded Dipole Antenna With Multi-Resonant Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 6789-6799.	5.1	29
30	Low-Cost Electrical Beam-Scanning Leaky-Wave Antenna Based on Bent Corrugated Substrate Integrated Waveguide. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 353-357.	4.0	29
31	Planar Ultrathin Small Beam-Switching Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 5054-5063.	5.1	28
32	A Hybrid Design Method for Thin-Panel Transmitarray Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 6473-6483.	5.1	26
33	Wideband Back-Cover Antenna Design Using Dual Characteristic Modes With High Isolation for 5G MIMO Smartphone. IEEE Transactions on Antennas and Propagation, 2022, 70, 5254-5265.	5.1	26
34	Multibeam Dual-Circularly Polarized Reflectarray for Connected and Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 3574-3585.	6.3	25
35	Tightly Coupled Array Antennas for Ultra-Wideband Wireless Systems. IEEE Access, 2018, 6, 61851-61866.	4.2	24
36	Wideband Dual Circularly Polarized Antenna for Intelligent Transport Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 5193-5202.	6.3	23

#	ARTICLE	IF	CITATIONS
37	A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. IEEE Transactions on Vehicular Technology, 2020, 69, 11857-11867.	6.3	21
38	A Broadband Dual Circularly Polarized Conical Four-Arm Sinuous Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 71-80.	5.1	20
39	A Compact Wideband Dual-Polarized Antenna With Enhanced Upper Out-of-Band Suppression. IEEE Transactions on Antennas and Propagation, 2019, 67, 5194-5202.	5.1	19
40	A Wideband Metal-Only Transmitarray With Two-Layer Configuration. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1347-1351.	4.0	18
41	Broadband Circularly Polarized Filtering Antennas. IEEE Access, 2018, 6, 76302-76312.	4.2	17
42	A Balanced Feed Filtering Antenna With Novel Coupling Structure for Low-Sidelobe Radar Applications. IEEE Access, 2018, 6, 77169-77178.	4.2	17
43	A Wideband Differentially Fed Dual-Polarized Antenna With Wideband Harmonic Suppression. IEEE Transactions on Antennas and Propagation, 2019, 67, 6176-6181.	5.1	17
44	A Wideband Series-Fed Circularly Polarized Differential Antenna by Using Crossed Open Slot-Pairs. IEEE Transactions on Antennas and Propagation, 2020, 68, 2565-2574.	5.1	17
45	A Wideband Low-Profile All-Metal Cavity Slot Antenna With Filtering Performance for Space-Borne SAR Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1278-1282.	4.0	15
46	Dual-Polarized Crossed Slot Array Antenna Designed on a Single Laminate for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 4120-4125.	5.1	15
47	Wideband Circularly Polarized Antenna Using Single-Arm Coupled Asymmetric Dipoles. IEEE Transactions on Antennas and Propagation, 2020, 68, 5104-5113.	5.1	14
48	Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. IEEE Transactions on Vehicular Technology, 2020, 69, 11220-11232.	6.3	13
49	A Wideband Differentially Driven Dual-Polarized Antenna by Using Integrated Six-Port Power Divider. IEEE Transactions on Antennas and Propagation, 2019, 67, 7252-7260.	5.1	12
50	A Compact Dual-Polarized Filtering Antenna With Steep Cut-Off for Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5941-5946.	5.1	12
51	A Broadband Printed Monofilar Square Spiral Antenna: A circularly polarized low-profile antenna. IEEE Antennas and Propagation Magazine, 2017, 59, 79-87.	1.4	11
52	An Efficiency-Improved Tightly Coupled Dipole Reflectarray Antenna Using Variant-Coupling-Capacitance Method. IEEE Access, 2020, 8, 37314-37320.	4.2	11
53	Design of a Wideband Dual-Feed Circularly Polarized Antenna for Different Axial Ratio Requirements. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 88-92.	4.0	11
54	A Low-Profile Beam-Steering Reflectarray With Integrated Leaky-Wave Feed and 2-Bit Phase Resolution for Ka-Band SatCom. IEEE Transactions on Antennas and Propagation, 2022, 70, 1884-1894.	5.1	11

#	ARTICLE	IF	CITATIONS
55	Combinatorial synthesis and screening of (Ba,Sr)(Ti,Mn)O <sub>3</sub> thin films for optimization of tunable co-planar waveguides. Journal of Materials Chemistry C, 2018, 6, 6222-6228.	5.5	9
56	Wideband Differentially Fed Dual-Polarized Antenna by Using Three-Strip Transmission Lines. IEEE Transactions on Antennas and Propagation, 2021, 69, 4172-4177.	5.1	8
57	A Low Complexity 16x16 Butler Matrix Design Using Eight-Port Hybrids. IEEE Access, 2019, 7, 177864-177873.	4.2	7
58	A Dual-Polarized Planar Antenna Array Differentially-Fed by Orthomode Transducer. IEEE Transactions on Antennas and Propagation, 2021, 69, 2637-2647.	5.1	7
59	A Wideband Triple-Mode Differentially Fed Microstrip Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1160-1164.	4.0	7
60	Highly integrated transmitting and receiving phased array with multi-channels and high efficiency in K/Ka-band SatCom application. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22816.	1.2	7
61	Millimeter-wave smart antennas for advanced satellite communications. , 2015, , .		6
62	Wideband circularly polarized antennas for satellite communications. , 2017, , .		6
63	Low-cost smart antennas for advanced wireless systems. , 2014, , .		5
64	Wideband circularly polarized wide-beamwidth antenna using S-shaped dipole. , 2017, , .		5
65	Design of a Broadband Circularly Polarized Antenna by Using Axial Ratio Contour. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2487-2491.	4.0	5
66	Wideband Differentially-Fed Slot Antenna and Array With Circularly Polarized Radiation for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5418-5429.	5.1	5
67	Smart antennas for mobile satellite communications. , 2014, , .		4
68	Array-fed dual-polarized wideband Fabry-Perot antenna based on metasurface. Microwave and Optical Technology Letters, 2016, 58, 2316-2321.	1.4	4
69	Smart antennas for satellite communications on the move. , 2017, , .		4
70	Filtering antennas for energy harvesting in wearable systems. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2661.	1.9	3
71	Two-Beam Multiplexing with Inter-Subarray Coding for Arbitrary Directions Based on Interleaved Subarray Architectures. , 2019, , .		3
72	Wideband high directivity circularly polarized Fabry-Perot antenna. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
73	Polarization reconfigurable loop antenna for satellite communications. , 2014, , .		2
74	Intelligent antenna technology for mobile satellite communications. Elektrotechnik Und Informationstechnik, 2014, 131, 155-160.	1.1	2
75	Wideband dual circularly polarized beam-scanning array for K-band satellite communications. Microwave and Optical Technology Letters, 2017, 59, 1962-1967.	1.4	2
76	(Ba, Sr)(Ti, Mn)O <sub>3</sub> Perovskite Films for Co-Planar Waveguide Tunable Microwave Phase Shifters. , 2018, , .		2
77	Electronically Beam-steerable Dual-band Reflectarray for Satellite Communications. , 2019, , .		2
78	Smart Antennas for Satellite Communications. , 2015, , 1-32.		2
79	Electronically Beam-Scanning Antenna with Active Slot Frequency Selective Surface for 5G Base Stations. , 2020, , .		2
80	Proof of Concept of a Low-Cost Beam-Steering Hybrid Reflectarray that Mixes Microstrip and Lens Elements Using Passive Demonstrators. IEEE Communications Magazine, 2022, 60, 21-26.	6.1	2
81	On discovering regional taxi service disequilibrium with geographical collaborative filtering. , 2014, , .		1
82	Wideband monofilar square spiral antenna at Ka-band frequencies. , 2015, , .		1
83	Compact high efficiency circularly polarized rectenna based on artificial magnetic conductor. International Journal of Microwave and Wireless Technologies, 2019, 11, 975-982.	1.9	1
84	Dual-Beam Multiplexing Under an Equal Magnitude Constraint Based on a Hybrid Beamforming Structure. , 2020, , .		1
85	Design of a Planar Wideband WideScan Phased Antenna Array. , 2021, , .		1
86	Differentially-Fed Dual-Polarized 2D Multibeam Antenna Array for Millimeter-Wave Applications. , 2020, , .		1
87	A Wideband Dual-Band Dual-Polarized Antenna for 5G Base Station Applications. , 2020, , .		1
88	Robust Multi-Beam Multiplexing Design Based on a Hybrid Beamforming Structure With Nearly Equal Magnitude Analogue Coefficients. IEEE Transactions on Vehicular Technology, 2022, 71, 5564-5569.	6.3	1
89	Millimetre-wave and terahertz smart antennas for future wireless systems. , 2015, , .		0
90	Smart Antennas for Satellite Communications. , 2016, , 2541-2578.		0

#	ARTICLE	IF	CITATIONS
91	GaN MMIC active arrays with space power combination. , 2017, , .		0
92	A Compact Dual-Polarized Patch Antenna Loaded With Metamaterial Unit Cell for Broadband Wireless Communication. , 2019, , .		0
93	Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE <sub>210</sub> and TE <sub>120</sub> Mode Cavity. , 2020, , .		0
94	A Low-profile 2D Tilted-beam Resonant Cavity Antenna. , 2018, , .		0
95	CRLH-TL Unit Cell for the Design of a Wideband Dual Circularly Polarized Antenna. , 2020, , .		0
96	Half-Power Phase Shifter for the Design of A Wideband Circularly Polarized Antenna. , 2020, , .		0
97	Millimeter-Wave Dual-Polarized Patch Antenna Designed for Integrating With Chip Package. , 2020, , .		0