

# Yong-Chang Jiao

## List of Publications by Year in descending order

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103  
papers

1,792  
citations

279798

23  
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103  
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103  
docs citations

103  
times ranked

1682  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Dual-Band Circularly Polarized Planar Endfire Antenna With Enhanced Front-to-Back Ratios. IEEE Transactions on Antennas and Propagation, 2022, 70, 969-976.	5.1	5
2	A Wideband 1-Bit Reconfigurable Reflectarray Antenna at <i>Ku</i> -Band. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 566-570.	4.0	28
3	Double-Layer Transmitarray Antenna Using Specially Designed Substrate. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 441-445.	4.0	8
4	Meta-Surface Cavity-Based Waveguide Slot Array for Dual-Circularly Polarized Dual Beam. IEEE Transactions on Antennas and Propagation, 2022, 70, 3894-3898.	5.1	4
5	A filtering antenna with wide out-of-band suppression based on open stubs resonator. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	0
6	Pattern and polarization reconfigurable circularly polarized antenna based on two pairs of planar complementary dipoles. Microwave and Optical Technology Letters, 2021, 63, 876-882.	1.4	5
7	A <i>low-profile</i> antenna with circularly polarized reconfigurable and omnidirectional radiation patterns. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, .	1.2	4
8	Antenna Array Directivity Maximization With Sidelobe Level Constraints Using Convex Optimization. IEEE Transactions on Antennas and Propagation, 2021, 69, 2041-2052.	5.1	23
9	Dual-Linearly Polarized Leaky-Wave Patch Array With Low Cross-Polarization Levels Using Symmetrical Spoof Surface Plasmon Polariton Lines. IEEE Transactions on Antennas and Propagation, 2021, 69, 1781-1786.	5.1	32
10	Wideband Circularly Polarized Pyramidal Horn Antenna Based on Spoof Surface Plasmon Polaritons. IEEE Transactions on Antennas and Propagation, 2021, 69, 2353-2358.	5.1	10
11	Hemispheric Conformal Wide Beamwidth Circularly Polarized Antenna Based on Two Pairs of Curved Orthogonal Dipoles in Space. IEEE Transactions on Antennas and Propagation, 2021, 69, 7900-7905.	5.1	8
12	Decoupling of Isosceles Triangular Array by Loaded Parasitic Element in Combination With Decoupling and Matching Network. IEEE Access, 2021, 9, 122138-122146.	4.2	2
13	A Low-Profile Dual-Circularly Polarized Wide-Axial-Ratio-Beamwidth Slot Patch Antenna With Six-Port Feeding Network. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2486-2490.	4.0	5
14	Wideband and Compact Fabry-Pérot Resonator Antenna Using Partially Reflective Surfaces With Regular Hexagonal Unit. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1048-1052.	4.0	12
15	A wideband transmitarray antenna based on the substrate integrated waveguide polarization twister. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22555.	1.2	1
16	Design of Wideband High-Efficiency Circularly Polarized Folded Reflectarray Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 6988-6993.	5.1	21
17	Ship Velocity Automatic Estimation Method Via Two-Dimensional Spectrum Pattern of Kelvin Wakes in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4779-4786.	4.9	9
18	Novel <i>low-profile</i> dual-band and dual-polarization <i>Fabry-Pérot</i> resonator antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22566.	1.2	2

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19	A Wideband Pattern Diversity Antenna With a Low Profile Based on Metasurface. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 303-307.	4.0	25
20	Broadband circular polarized reflectarray based on <sc>multi-resonance</sc> unit. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22618.	1.2	6
21	A DRA With Engraved Groove and Comb-Like Metal Wall for Beamwidth Enhancement in Both E- and H-Planes. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 543-547.	4.0	16
22	Wideband 1 bit Reconfigurable Transmitarray Antenna Based on Polarization Rotation Element. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 798-802.	4.0	30
23	Filtering Antenna With Quasi-Elliptic Response Based on SIW <i>H</i>-Plane Horn. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1302-1306.	4.0	11
24	Omnidirectional WLAN Antenna With Common-Mode Current Suppression. IEEE Transactions on Antennas and Propagation, 2021, 69, 5980-5985.	5.1	9
25	Wideband 2-D Monopulse Antenna Array With Higher-Order Mode Substrate Integrated Waveguide Feeding and 3-D Printed Packaging. IEEE Transactions on Antennas and Propagation, 2020, 68, 3259-3264.	5.1	16
26	A compact broadband differential-fed microstrip patch antenna with 5.8GHz WLAN band-notch under quad-mode resonance. Microwave and Optical Technology Letters, 2020, 62, 1716-1723.	1.4	4
27	Spoof surface plasmon polariton-fed circularly polarized leaky-wave antenna with suppressed side-lobe levels. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22080.	1.2	5
28	Novel wideband metal-only transmitarray antenna based on <sc>1-bit</sc> polarization rotation element. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22388.	1.2	8
29	An Efficient Way for Studying the EM Scattering From a Marine Environment With Multiple Ships. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1526-1530.	4.0	5
30	A circularly <sc>polarized-reconfigurable</sc> planar <sc>end-fire</sc> antenna with bidirectional radiation of same sense and wide beamwidth. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22469.	1.2	4
31	Optimal design of a large dual-polarization microstrip reflectarray with China-coverage patterns for satellite communications. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 159-173.	2.6	1
32	Novel planar reconfigurable circularly polarized complementary antenna for unidirectional end-fire radiation. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22211.	1.2	4
33	Wide-Beam Dielectric Resonator Antenna With Attached Higher-Permittivity Dielectric Slabs. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 462-466.	4.0	26
34	A novel dual-mode patch antenna with pattern diversity and beam-tilting for aircraft applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22136.	1.2	3
35	Synthesis of Sparse Linear Arrays With Reduced Excitation Control Numbers Using a Hybrid Cuckoo Search Algorithm With Convex Programming. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 428-432.	4.0	16
36	Efficient Directivity Maximization of Time-Modulated Arrays With Two-Stage Convex Optimization. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1847-1851.	4.0	5

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37	Wideband Circularly Polarized Array Antennas With Sequential-Rotation Polarization Grid and Simplified Full-SIW Feeding Networks. IEEE Transactions on Antennas and Propagation, 2020, 68, 6088-6097.	5.1	18
38	A Novel Iterative Method to the Synthesis of Subarrayed Monopulse Linear Arrays. , 2020, , .		0
39	A TM30-/TM40-Mode Pattern-Reconfigurable Microstrip Patch Antenna for Wide Beam Coverage. IEEE Transactions on Antennas and Propagation, 2019, 67, 7121-7126.	5.1	10
40	Wideband Inhomogeneous-Polarizer Loaded Circularly Polarized SIW Horn Antenna for Broadband Millimeter-Wave Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1448-1452.	4.0	21
41	An umbrella-shaped broadband circularly polarized antenna with wide beamwidth for global navigation satellite systems applications. Microwave and Optical Technology Letters, 2019, 61, 2455-2462.	1.4	3
42	Wideband circularly polarized dielectric resonator antenna loaded with partially reflective surface. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21962.	1.2	10
43	A Single-Layer Wideband Differential-Fed Microstrip Patch Antenna With Complementary Split-Ring Resonators Loaded. IEEE Access, 2019, 7, 132041-132048.	4.2	19
44	Low-cost and easy manufactured dielectric rod antennas based on 3D printing technology. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21954.	1.2	5
45	Dual-element antenna with high isolation operating at the WLAN bands. Microwave and Optical Technology Letters, 2019, 61, 2323-2328.	1.4	2
46	A novel millimeter-wave dual-band circularly polarized dielectric resonator antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21871.	1.2	11
47	Wideband magneto-electric dipole antenna with a claw shaped reflector for 5G communication systems. Microwave and Optical Technology Letters, 2019, 61, 2098-2104.	1.4	7
48	Synthesis of Wideband Rotationally Symmetric Sparse Circular Arrays With Multiple Constraints. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 821-825.	4.0	13
49	Wideband Accurate-Out-of-Phase-Fed Circularly Polarized Array Based on Penta-Mode Aperture Antenna Element With Irregular Cavity. IEEE Transactions on Antennas and Propagation, 2019, 67, 638-642.	5.1	15
50	A Reflectarray for Generating Wideband Circularly Polarized Orbital Angular Momentum Vortex Wave. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 182-186.	4.0	63
51	Low profile octa-band antenna without lumped elements for WWAN/LTE metallic narrow-frame tablet computers. Microwave and Optical Technology Letters, 2019, 61, 665-670.	1.4	1
52	Statistical realisation of CWMFSM for scattering simulation of space-time varying sea surface. International Journal of Remote Sensing, 2019, 40, 332-345.	2.9	3
53	Miniaturised CP aperture antenna with tri-mode operation for broadening bandwidth. Electronics Letters, 2018, 54, 122-124.	1.0	3
54	Differential-fed printed monopole antenna loaded with half cylindrical DR for UWB handheld device application. Microwave and Optical Technology Letters, 2018, 60, 534-538.	1.4	1

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55	Compact Multiband Bandpass Filter Using Low-Pass Filter Combined With Open Stub-Loaded Shorted Stub. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1926-1938.	4.6	25
56	High-Efficiency Circularly Polarized Dielectric Resonator Antenna Array Fed by the Cavity-Backed SIW. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1145-1148.	4.0	22
57	Arbitrary power division quadrature branchline coupler with harmonic suppression. Microwave and Optical Technology Letters, 2018, 60, 256-260.	1.4	1
58	Improved GO/PO method and its application to wideband SAR image of conducting objects over rough surface. Waves in Random and Complex Media, 2018, 28, 310-325.	2.7	5
59	Wideband Echo Simulation and Its Application to SAR Image of Complex Targets. , 2018, , .		3
60	Synthesis of unequally spaced linear arrays using modified differential evolution algorithm. IET Microwaves, Antennas and Propagation, 2018, 12, 1908-1912.	1.4	8
61	A novel single L-shaped open slot antenna for octa-band metal-framed smartphones. Microwave and Optical Technology Letters, 2018, 60, 2734-2739.	1.4	0
62	Investigation on MNLT Method for 3-D Correlated Map Simulation of Sea-Surface Scattering. IEEE Geoscience and Remote Sensing Letters, 2018, , 1-5.	3.1	3
63	Metasurface-Based Tapered Waveguide Slot Array Antennas for Wide Angular Scanning in a Narrow Frequency Band. IEEE Transactions on Antennas and Propagation, 2018, 66, 4052-4059.	5.1	19
64	A Low-Profile Broadband Circularly Polarized Microstrip Antenna With Wide Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1213-1217.	4.0	39
65	3-D-Printed Comb Mushroom-Like Dielectric Lens for Stable Gain Enhancement of Printed Log-Periodic Dipole Array. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2099-2103.	4.0	49
66	Quad-band Gysel power divider based on coupled lines. Electronics Letters, 2018, 54, 1130-1132.	1.0	3
67	Wideband low-profile CPW-fed slot-loop antenna using an artificial magnetic conductor. Electronics Letters, 2018, 54, 673-674.	1.0	15
68	Circularly Polarized Transmitarray Antenna Using Low-Profile Dual-Linearly Polarized Elements. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 465-468.	4.0	57
69	Broadband Circularly Polarized Square-Ring-Loaded Slot Antenna With Flat Gains. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 29-32.	4.0	35
70	A Wideband Transmitarray Using Triple-Layer Elements Combined With Cross Slots and Double Square Rings. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1561-1564.	4.0	82
71	Synthesis of Subarrayed Monopulse Arrays With Contiguous Elements Using a DE Algorithm. IEEE Transactions on Antennas and Propagation, 2017, 65, 4340-4345.	5.1	23
72	A Novel Dual-Wideband Directional Dipole Antenna With Double Reflecting Floors. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1941-1944.	4.0	14

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73	Compact circularly polarized conical beam antenna based on the reactive impedance substrate. Microwave and Optical Technology Letters, 2017, 59, 240-243.	1.4	1
74	Half-mode substrate integrated waveguide-based leaky wave antenna loaded with meandered lines. Electronics Letters, 2017, 53, 1172-1174.	1.0	10
75	Dual band gysel power divider with high power dividing ratio. Microwave and Optical Technology Letters, 2017, 59, 2428-2431.	1.4	2
76	A compact broadband dual-polarized omnidirectional antenna with high isolations for indoor DAS applications. Microwave and Optical Technology Letters, 2017, 59, 176-180.	1.4	5
77	Self-Adaptive TSM-RT for the Fast Analysis of EM Scattering From 3-D Large-Scale Sea Surface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2420-2423.	4.0	1
78	Bidirectional circularly-polarised loop linear array fed by slotted SIW. Electronics Letters, 2016, 52, 1193-1194.	1.0	8
79	Wideband Circularly Polarized Antenna With Stair-Shaped Dielectric Resonator and Open-Ended Slot Ground. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1755-1758.	4.0	56
80	Dual-wideband BPF with wide upper stopband using shorted stepped-impedance stub-loaded lowpass filter. Electronics Letters, 2016, 52, 1615-1616.	1.0	11
81	CRLH-SIW-based leaky wave antenna with low cross-polarisation for Ku-band applications. Electronics Letters, 2016, 52, 1426-1428.	1.0	33
82	Multiobjective differential evolution algorithm based on decomposition for a type of multiobjective bilevel programming problems. Knowledge-Based Systems, 2016, 107, 271-288.	7.1	30
83	A Novel Low-Profile Dual Circularly Polarized Dielectric Resonator Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 4078-4083.	5.1	36
84	An interactive approach based on a discrete differential evolution algorithm for a class of integer bilevel programming problems. International Journal of Systems Science, 2016, 47, 2330-2341.	5.5	8
85	A compact multiband printed antenna for smart-phone applications. Microwave and Optical Technology Letters, 2015, 57, 2289-2294.	1.4	5
86	Applications of Generalized Cascade Scattering Matrix on the Microwave Circuits and Antenna Arrays. International Journal of Antennas and Propagation, 2015, 2015, 1-12.	1.2	0
87	Electromagnetic scattering from a PEC object above a dielectric rough sea surface by a hybrid PO-PO method. Waves in Random and Complex Media, 2015, 25, 60-74.	2.7	16
88	Synthesis of Phase-Only Reconfigurable Linear Arrays Using Multiobjective Invasive Weed Optimization Based on Decomposition. International Journal of Antennas and Propagation, 2014, 2014, 1-11.	1.2	19
89	Synthesis of Large Thinned Planar Arrays Using a Modified Iterative Fourier Technique. IEEE Transactions on Antennas and Propagation, 2014, 62, 1564-1571.	5.1	42
90	Composite Scattering of a Plasma-Coated Target Above Dispersive Sea Surface by the ADE-FDTD Method. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 4-8.	3.1	17

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91	MOEA/D + uniform design: A new version of MOEA/D for optimization problems with many objectives. <i>Computers and Operations Research</i> , 2013, 40, 1648-1660.	4.0	136
92	Erratum to "Orthogonal Genetic Algorithm for Planar Thinned Array Designs". <i>International Journal of Antennas and Propagation</i> , 2013, 2013, 1-1.	1.2	0
93	MOEA/D-SQA: a multi-objective memetic algorithm based on decomposition. <i>Engineering Optimization</i> , 2012, 44, 1095-1115.	2.6	20
94	A modification to MOEA/D-DE for multiobjective optimization problems with complicated Pareto sets. <i>Information Sciences</i> , 2012, 213, 14-38.	6.9	64
95	A Dual-Layer T-Shaped Element for Broadband Circularly Polarized Reflectarray With Linearly Polarized Feed. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011, 10, 407-410.	4.0	84
96	Hybrid differential evolution with a simplified quadratic approximation for constrained optimization problems. <i>Engineering Optimization</i> , 2011, 43, 115-134.	2.6	21
97	A Subwavelength Element for Broadband Circularly Polarized Reflectarrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010, 9, 330-333.	4.0	93
98	Broadband patch antenna design using differential evolution algorithm. <i>Microwave and Optical Technology Letters</i> , 2009, 51, 1692-1695.	1.4	31
99	An extension of the decomposition method for solving nonlinear equations and its convergence. <i>Computers and Mathematics With Applications</i> , 2008, 55, 760-775.	2.7	14
100	Broadband dual-band CPW-fed closed rectangular ring monopole antenna with a vertical strip for WLAN operation. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 1929-1931.	1.4	30
101	A Modification to the New Version of the Price's Algorithm for Continuous Global Optimization Problems. <i>Journal of Global Optimization</i> , 2006, 36, 609-626.	1.8	9
102	Variable Programming: A Generalized Minimax Problem. Part I: Models and Theory. <i>Computational Optimization and Applications</i> , 2005, 30, 229-261.	1.6	5
103	Variable Programming: A Generalized Minimax Problem. Part II: Algorithms. <i>Computational Optimization and Applications</i> , 2005, 30, 263-295.	1.6	4