

Yong-Chang Jiao

List of Publications by Year in descending order

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103
papers

1,792
citations

279798

23
h-index

315739

38
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103
all docs

103
docs citations

103
times ranked

1682
citing authors

#	ARTICLE	IF	CITATIONS
1	MOEA/D + uniform design: A new version of MOEA/D for optimization problems with many objectives. Computers and Operations Research, 2013, 40, 1648-1660.	4.0	136
2	A Subwavelength Element for Broadband Circularly Polarized Reflectarrays. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 330-333.	4.0	93
3	A Dual-Layer T-Shaped Element for Broadband Circularly Polarized Reflectarray With Linearly Polarized Feed. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 407-410.	4.0	84
4	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
5	A modification to MOEA/D-DE for multiobjective optimization problems with complicated Pareto sets. Information Sciences, 2012, 213, 14-38.	6.9	64
6	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
7	Circularly Polarized Transmitarray Antenna Using Low-Profile Dual-Linearly Polarized Elements. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 465-468.	4.0	57
8	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
9	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
10	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
11	A Low-Profile Broadband Circularly Polarized Microstrip Antenna With Wide Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1213-1217.	4.0	39
12	A Novel Low-Profile Dual Circularly Polarized Dielectric Resonator Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 4078-4083.	5.1	36
13	Broadband Circularly Polarized Square-Ring-Loaded Slot Antenna With Flat Gains. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 29-32.	4.0	35
14	CRLH- ϵ SIW-based leaky wave antenna with low cross-polarisation for Ku-band applications. Electronics Letters, 2016, 52, 1426-1428.	1.0	33
15	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
16	Broadband patch antenna design using differential evolution algorithm. Microwave and Optical Technology Letters, 2009, 51, 1692-1695.	1.4	31
17	Broadband dual-band CPW-fed closed rectangular ring monopole antenna with a vertical strip for WLAN operation. Microwave and Optical Technology Letters, 2008, 50, 1929-1931.	1.4	30
18	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

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19	Wideband 1 bit Reconfigurable Transmitarray Antenna Based on Polarization Rotation Element. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 798-802.	4.0	30
20	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
21	Wide-Beam Dielectric Resonator Antenna With Attached Higher-Permittivity Dielectric Slabs. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 462-466.	4.0	26
22	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
23	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
24	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
25	Antenna Array Directivity Maximization With Sidelobe Level Constraints Using Convex Optimization. IEEE Transactions on Antennas and Propagation, 2021, 69, 2041-2052.	5.1	23
26	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
27	Hybrid differential evolution with a simplified quadratic approximation for constrained optimization problems. Engineering Optimization, 2011, 43, 115-134.	2.6	21
28	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
29	Design of Wideband High-Efficiency Circularly Polarized Folded Reflectarray Antenna. IEEE Transactions on Antennas and Propagation, 2021, 69, 6988-6993.	5.1	21
30	MOEA/D-SQA: a multi-objective memetic algorithm based on decomposition. Engineering Optimization, 2012, 44, 1095-1115.	2.6	20
31	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
32	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
33	A Single-Layer Wideband Differential-Fed Microstrip Patch Antenna With Complementary Split-Ring Resonators Loaded. IEEE Access, 2019, 7, 132041-132048.	4.2	19
34	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
35	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
36	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

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37	Wideband 2-D Monopulse Antenna Array With Higher-Order Mode Substrate Integrated Waveguide Feeding and 3-D Printed Packaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 3259-3264.	5.1	16
38	Synthesis of Sparse Linear Arrays With Reduced Excitation Control Numbers Using a Hybrid Cuckoo Search Algorithm With Convex Programming. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 428-432.	4.0	16
39	A DRA With Engraved Groove and Comb-Like Metal Wall for Beamwidth Enhancement in Both E- and H-Planes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 543-547.	4.0	16
40	Wideband low-profile CPW-fed slot-loop antenna using an artificial magnetic conductor. <i>Electronics Letters</i> , 2018, 54, 673-674.	1.0	15
41	Wideband Accurate-Out-of-Phase-Fed Circularly Polarized Array Based on Penta-Mode Aperture Antenna Element With Irregular Cavity. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 638-642.	5.1	15
42	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
43	A Novel Dual-Wideband Directional Dipole Antenna With Double Reflecting Floors. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 1941-1944.	4.0	14
44	Synthesis of Wideband Rotationally Symmetric Sparse Circular Arrays With Multiple Constraints. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 821-825.	4.0	13
45	Wideband and Compact Fabry-Perot Resonator Antenna Using Partially Reflective Surfaces With Regular Hexagonal Unit. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1048-1052.	4.0	12
46	Dual-wideband BPF with wide upper stopband using shorted stepped-impedance stub-loaded lowpass filter. <i>Electronics Letters</i> , 2016, 52, 1615-1616.	1.0	11
47	A novel millimeter-wave dual-band circularly polarized dielectric resonator antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21871.	1.2	11
48	Filtering Antenna With Quasi-Elliptic Response Based on SIW H -Plane Horn. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1302-1306.	4.0	11
49	Half-mode substrate integrated waveguide-based leaky-wave antenna loaded with meandered lines. <i>Electronics Letters</i> , 2017, 53, 1172-1174.	1.0	10
50	A TM ₃₀ /TM ₄₀ -Mode Pattern-Reconfigurable Microstrip Patch Antenna for Wide Beam Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 7121-7126.	5.1	10
51	Wideband circularly polarized dielectric resonator antenna loaded with partially reflective surface. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21962.	1.2	10
52	Wideband Circularly Polarized Pyramidal Horn Antenna Based on Spoof Surface Plasmon Polaritons. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 2353-2358.	5.1	10
53	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
54	Ship Velocity Automatic Estimation Method Via Two-Dimensional Spectrum Pattern of Kelvin Wakes in SAR Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 4779-4786.	4.9	9

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55	Omnidirectional WLAN Antenna With Common-Mode Current Suppression. IEEE Transactions on Antennas and Propagation, 2021, 69, 5980-5985.	5.1	9
56	Bidirectional circularlyâ€polarised loop linear array fed by slotted SIW. Electronics Letters, 2016, 52, 1193-1194.	1.0	8
57	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
58	Synthesis of unequally spaced linear arrays using modified differential evolution algorithm. IET Microwaves, Antennas and Propagation, 2018, 12, 1908-1912.	1.4	8
59	Novel wideband metalâ€only transmitarray antenna based on <scp>1â€bit</scp> polarization rotation element. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22388.	1.2	8
60	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
61	Double-Layer Transmitarray Antenna Using Specially Designed Substrate. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 441-445.	4.0	8
62	Wideband magnetoâ€electric dipole antenna with a claw shaped reflector for 5G communication systems. Microwave and Optical Technology Letters, 2019, 61, 2098-2104.	1.4	7
63	Broadband circular polarized reflectarray based on <scp>multiâ€resonance</scp> unit. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22618.	1.2	6
64	Variable Programming: A Generalized Minimax Problem. Part I: Models and Theory. Computational Optimization and Applications, 2005, 30, 229-261.	1.6	5
65	A compact multiband printed antenna for smartâ€phone applications. Microwave and Optical Technology Letters, 2015, 57, 2289-2294.	1.4	5
66	A compact broadband dualâ€polarized omnidirectional antenna with high isolations for indoor DAS applications. Microwave and Optical Technology Letters, 2017, 59, 176-180.	1.4	5
67	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
68	Lowâ€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
69	Spoof surface plasmon polaritonâ€fed circularly polarized leakyâ€wave antenna with suppressed sideâ€lobe levels. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22080.	1.2	5
70	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
71	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
72	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

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73	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
74	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
75	Variable Programming: A Generalized Minimax Problem. Part II: Algorithms. Computational Optimization and Applications, 2005, 30, 263-295.	1.6	4
76	A compact broadband differential-fed microstrip patch antenna with 5.8GHz WLAN band-notched under quad-mode resonance. Microwave and Optical Technology Letters, 2020, 62, 1716-1723.	1.4	4
77	A circularly polarized reconfigurable planar endfire 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
78	Novel planar reconfigurable circularly polarized complementary antenna for unidirectional endfire radiation. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22211.	1.2	4
79	A low-profile antenna with circularly polarized reconfigurable and omnidirectional radiation patterns. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, .	1.2	4
80	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
81	Miniaturised CP aperture antenna with tri-mode operation for broadening bandwidth. Electronics Letters, 2018, 54, 122-124.	1.0	3
82	Wideband Echo Simulation and Its Application to SAR Image of Complex Targets. , 2018, , .		3
83	Investigation on MNL Method for 3-D Correlated Map Simulation of Sea-Surface Scattering. IEEE Geoscience and Remote Sensing Letters, 2018, , 1-5.	3.1	3
84	Quad-band Gysel power divider based on coupled lines. Electronics Letters, 2018, 54, 1130-1132.	1.0	3
85	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
86	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
87	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
88	Dual band gysel power divider with high power dividing ratio. Microwave and Optical Technology Letters, 2017, 59, 2428-2431.	1.4	2
89	Dual-element antenna with high isolation operating at the WLAN bands. Microwave and Optical Technology Letters, 2019, 61, 2323-2328.	1.4	2
90	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

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91	Novel low-profile dual-band and dual-polarization Fabry-Pérot resonator antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22566.	1.2	2
92	Compact circularly polarized conical-beam antenna based on the reactive impedance substrate. Microwave and Optical Technology Letters, 2017, 59, 240-243.	1.4	1
93	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
94	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
95	Arbitrary power division quadrature branch-line coupler with harmonic suppression. Microwave and Optical Technology Letters, 2018, 60, 256-260.	1.4	1
96	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
97	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
98	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
99	Erratum to "Orthogonal Genetic Algorithm for Planar Thinned Array Designs". International Journal of Antennas and Propagation, 2013, 2013, 1-1.	1.2	0
100	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
101	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
102	A Novel Iterative Method to the Synthesis of Subarrayed Monopulse Linear Arrays. , 2020, , .		0
103	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