

# Jian-Xing Li

## List of Publications by Year in descending order

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100  
papers

1,288  
citations

361413

20  
h-index

395702

33  
g-index

100  
all docs

100  
docs citations

100  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Band Eight-Antenna Array Design for MIMO Applications in 5G Mobile Terminals. IEEE Access, 2019, 7, 71636-71644.	4.2	133
2	Dual-band polarization angle independent 90° polarization rotator using twisted electric-field-coupled resonators. Applied Physics Letters, 2014, 104, .	3.3	92
3	Gradient Metasurface With Both Polarization-Controlled Directional Surface Wave Coupling and Anomalous Reflection. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 104-107.	4.0	85
4	Broadband cross polarization converter using plasmon hybridizations in a ring/disk cavity. Optics Express, 2014, 22, 20973.	3.4	71
5	Generation of Multiple Modes Microwave Vortex Beams Using Active Metasurface. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 59-63.	4.0	53
6	Designing Graphene-Based Absorber by Using HIE-FDTD Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 1896-1902.	5.1	51
7	Dual-Band Annular Slot Antenna Loaded by Reactive Components for Dual-Sense Circular Polarization With Flexible Frequency Ratio. IEEE Access, 2018, 6, 64063-64070.	4.2	51
8	Quad-Band Probe-Fed Stacked Annular Patch Antenna for GNSS Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 372-375.	4.0	45
9	Low-Profile High-Efficiency Bidirectional Endfire Antenna Based on Spoof Surface Plasmon Polaritons. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 837-840.	4.0	41
10	Characterizations of Mutual Coupling Effects on Switch-Based Phased Array Antennas for 5G Millimeter-Wave Mobile Communications. IEEE Access, 2019, 7, 31376-31384.	4.2	36
11	Fast and Accurate Rank Selection Methods for Multistage Wiener Filter. IEEE Transactions on Signal Processing, 2016, 64, 973-984.	5.3	29
12	A Low-Profile Angle-Insensitive Bandpass Frequency-Selective Surface Based on Vias. IEEE Microwave and Wireless Components Letters, 2018, 28, 200-202.	3.2	29
13	Analyzing Graphene-Based Absorber by Using the WCS-FDTD Method. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3689-3696.	4.6	27
14	Spoof Surface Plasmon Polaritons Developed From Coplanar Waveguides in Microwave Frequencies. IEEE Photonics Technology Letters, 2020, 32, 1431-1434.	2.5	27
15	Mutual Coupling Reduction of a Circularly Polarized Four-Element Antenna Array Using Metamaterial Absorber for Unmanned Vehicles. IEEE Access, 2019, 7, 57469-57475.	4.2	25
16	Design of a Vivaldi antenna with wideband reduced radar cross section. AEU - International Journal of Electronics and Communications, 2018, 95, 47-51.	2.9	24
17	Frequency-Diverse Bunching Metamaterial Antenna for Coincidence Imaging. Materials, 2019, 12, 1817.	2.9	22
18	A Pillbox Based Dual Circularly-Polarized Millimeter-Wave Multi-Beam Antenna for Future Vehicular Radar Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 7095-7103.	6.3	21

#	ARTICLE	IF	CITATIONS
19	Frequency-Diverse Transmission Metamaterial Aperture With a Bunching Random Beam. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1029-1033.	4.0	20
20	Design of a Low Scattering Metasurface for Stealth Applications. Materials, 2019, 12, 3031.	2.9	20
21	Bandpass FSS With Zeros Adjustable Quasi-Elliptic Response. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1184-1188.	4.0	20
22	3.6-GHz eight-antenna MIMO array for mobile terminal applications. AEU - International Journal of Electronics and Communications, 2018, 95, 342-348.	2.9	19
23	Dual-band capacitively loaded annular-ring slot antenna for dual-sense circular polarization. Journal of Electromagnetic Waves and Applications, 2017, 31, 867-878.	1.6	17
24	Dual-Polarized Duplex Base-Station Antenna With a Duplexer-Integrated Balun. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 317-321.	4.0	17
25	Dual-Band Transmissive Cross-Polarization Converter with Extremely High Polarization Conversion Ratio Using Transmitarray. Materials, 2019, 12, 1827.	2.9	16
26	Design of a Dual-Band Dual-Polarization Transparent Frequency Selective Surface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3172-3175.	4.0	13
27	Resolution Threshold Analysis of the Microwave Radar Coincidence Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2232-2243.	6.3	13
28	Circularly polarized co-designed filtering annular slot antenna. AEU - International Journal of Electronics and Communications, 2018, 90, 30-35.	2.9	12
29	Four-way waveguide power divider design for W-band applications. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21242.	1.2	12
30	Wideband radar cross-section reduction of microstrip patch antenna using coding metasurface. IET Microwaves, Antennas and Propagation, 2019, 13, 1719-1725.	1.4	12
31	Semantic ghost imaging based on recurrent-neural-network. Optics Express, 2022, 30, 23475.	3.4	11
32	Microstrip-line-fed reactively loaded circularly polarized annular-ring slot antenna. Journal of Electromagnetic Waves and Applications, 2017, 31, 101-110.	1.6	10
33	Miniaturised artificial magnetic conductor and its application in unidirectional circularly polarised slot antenna design. IET Microwaves, Antennas and Propagation, 2018, 12, 1885-1889.	1.4	10
34	A Wearable Tri-Band Half-Mode Substrate Integrated Waveguide Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2501-2505.	4.0	10
35	Spoof Surface Plasmon Polariton Waveguide With Switchable Notched Band. IEEE Photonics Technology Letters, 2021, 33, 1147-1150.	2.5	10
36	Co-design of low profile single-fed circularly polarized filtering antenna with high out-of-band rejection. AEU - International Journal of Electronics and Communications, 2019, 102, 99-104.	2.9	9

#	ARTICLE	IF	CITATIONS
37	Fast and Simple Gradient Projection Algorithms for Phase-Only Beamforming. IEEE Transactions on Vehicular Technology, 2021, 70, 10620-10632.	6.3	9
38	A Super-Resolution Computational Coincidence Imaging Method Based on SIMO Radar System. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2265-2269.	3.1	8
39	Full Ka Band Waveguide-to-Microstrip Inline Transition Design. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 714-722.	2.2	8
40	Design of Low RCS Circularly Polarized Patch Antenna Array Using Metasurface for CNSS Adaptive Antenna Applications. Materials, 2019, 12, 1898.	2.9	8
41	High selectivity wideband bandpass filter based on stepped impedance open stubs loaded ring resonator. AEU - International Journal of Electronics and Communications, 2020, 126, 153408.	2.9	8
42	An incident angle insensitive band-pass frequency selective surface with flat top. , 2017, , .		7
43	Broadband angle insensitive frequency selective surface with multiple resonant modes. Microwave and Optical Technology Letters, 2018, 60, 2660-2664.	1.4	7
44	Miniaturized circularly polarized patch antenna using coupled shorting strip and capacitive probe feed. AEU - International Journal of Electronics and Communications, 2019, 98, 235-240.	2.9	7
45	Transparent cross-polarization converter with anomalous refraction. AEU - International Journal of Electronics and Communications, 2019, 98, 230-234.	2.9	7
46	Tri-Band CPW-Fed Stub-Loaded Slot Antenna Design for WLAN/WiMAX Applications. Frequenz, 2016, 70, .	0.9	5
47	Cavity-backed wideband magneto-electric antenna for through-the-wall imaging radar applications. , 2016, , .		5
48	Radiation Pattern Reconfigurable Waveguide Slot Array Antenna Using Liquid Crystal. International Journal of Antennas and Propagation, 2018, 2018, 1-9.	1.2	5
49	Design of all-dielectric ultra-wideband transparent water-based absorber. Journal Physics D: Applied Physics, 2022, 55, 115502.	2.8	5
50	Design of a 4-element Antenna Array for BDS Anti-jamming Applications. Frequenz, 2014, 68, 1-6.	0.9	4
51	Main beam angle control microstrip antenna based on phase gradient metasurface. , 2016, , .		4
52	A miniaturized circularly polarized microstrip antenna with bandwidth enhancement. , 2016, , .		4
53	Wideband Vivaldi Antenna Design with Reduced Radar Cross Section. , 2018, , .		4
54	Circularly Polarized Array with Enhanced Isolation Using Magnetic Metamaterials. Electronics (Switzerland), 2019, 8, 1356.	3.1	4

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55	Polarization reconfigurable annular ring slot antenna design. AEU - International Journal of Electronics and Communications, 2020, 123, 153265.	2.9	4
56	A Design of Silicon Based Horn Antenna Optimized Using Bayesian Optimization. , 2020, , .		4
57	Efficiency-Enhanced Wireless Power Transfer Based on Multiple Coupling Paths. IEEE Microwave and Wireless Components Letters, 2022, 32, 444-447.	3.2	4
58	A Hierarchically Encoded Data Storage Device with Controlled Transiency. Advanced Materials, 2022, , 2201035.	21.0	4
59	A novel dual-band frequency selective surface with close band spacing at ka-band. , 2017, , .		3
60	Design of a Metasurface with Wide RCS Reduction Bandwidth. , 2019, , .		3
61	Low Profile Unequally Dual-Feed Circularly Polarized Patch Antenna with a Wide Beamwidth. , 2019, , .		3
62	The Effect of Mutual Coupling on the Performance of GNSS Antenna Arrays. IEEE Access, 2020, 8, 20480-20487.	4.2	3
63	Design of wideband bandpass filter using short-circuited circular patch resonator loaded with slots. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, .	1.2	3
64	Dual-Band Dual-Circularly Polarized Antenna Array Using Gap Waveguide Technology. , 2021, , .		3
65	Dual-Band Circularly Polarized Crossed-Dipole Antenna Backed by a Double Layer Artificial Magnetic Conductor. , 2020, , .		3
66	A Study on the Electromagnetic Thermal Coupling Effect of Cross-Slot Frequency Selective Surface. Materials, 2022, 15, 640.	2.9	3
67	Design of a compact multiband internal antenna for mobile application. Microwave and Optical Technology Letters, 2011, 53, 2865-2868.	1.4	2
68	Novel design of end-fire dipole array antennas. , 2016, , .		2
69	Design of a wideband circularly polarised fractal-shaped slot antenna. International Journal of Electronics Letters, 2017, 5, 427-437.	1.2	2
70	Generation of multiple modes microwave vortex beams using tunable metasurface. , 2017, , .		2
71	Unidirectional Circularly Polarized Slot Antenna Backed with Miniaturized AMC Reflector. , 2018, , .		2
72	Three-dimensional surface wave measurement system. Journal of Engineering, 2019, 2019, 6692-6694.	1.1	2

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73	Isolation enhanced circularly polarized patch antenna array using modified electricâ€fieldâ€coupled resonator. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21560.	1.2	2
74	A Surface Integral Equation Formulation for Efficient Simulation of Finite-Sized Multilayered Parallel-Plate Structure. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2475-2484.	4.6	2
75	Fixed-Point Minimum Error Entropy With Sparsity Penalty Constraints. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2997-3001.	3.0	2
76	Miniaturized probe-fed circularly polarized patch antenna for BDS arrays. , 2014, , .		1
77	Capacitor-loaded circularly polarized annular-ring slotted microstrip patch antenna. , 2016, , .		1
78	A Ka band microstrip to waveguide transition using a quasi-triangle probe. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21124.	1.2	1
79	A W-band broadband power divider/combiner using two parallel antisymmetric tapered probes. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21158.	1.2	1
80	Improved Self-Adaption Matched Filter for Moving Target Detection. , 2019, , .		1
81	Design of Low RCS Circularly Polarized Patch Antenna Array for BeiDou Navigation Satellite System Applications. , 2019, , .		1
82	Sense Reconfigurable Circularly Polarized Microstrip Patch Antenna Design. , 2019, , .		1
83	Grapheneâ€based tunable terahertz electromagnetically induced transparency using metamaterial structure. Microwave and Optical Technology Letters, 2022, 64, 1917-1922.	1.4	1
84	Design of a Five-Band Internal Antenna for Handsets. Frequenz, 2012, 66, .	0.9	0
85	Multi band polarization converter based on anisotropic metasurface. , 2014, , .		0
86	Design and Implementation of an Adaptive Spaceâ€Time Antenna Array for GPS Receivers. Frequenz, 2015, 69, .	0.9	0
87	Compact Dual-Band Proximity-Fed Circularly Polarized Patch Antenna for BDS Applications. Frequenz, 2015, 69, .	0.9	0
88	Wideband two bowtie dipole array antenna integrated with a tapered balun. , 2016, , .		0
89	Dual-Band Dual-Polarization Transparent Metasurface Design. , 2018, , .		0
90	Passive asymmetric propagation waveguide based on phase gradient metasurface. , 2018, , .		0

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91	Design of a Multilayer Structure Microwave Filtering Antenna. , 2019, , .		0
92	Broadband CPW-fed Stub-loaded Slot Antenna Array for 5G mm-Wave Applications. , 2019, , .		0
93	Polarization Reconfigurable Annular Ring Slot Antenna Design. , 2019, , .		0
94	A Wideband Feeding Network for Compact Circularly Polarized Patch Antenna. , 2019, , .		0
95	A Novel Frequency Selective Surface Radome with Circular Polarization Selection. , 2019, , .		0
96	A New Wide Dynamic Range Rectifier Circuit for Ambient RF Energy Harvesting. , 2021, , .		0
97	The Generalized Complex Kernel Affine Projection Algorithms. Circuits, Systems, and Signal Processing, 0, , 1.	2.0	0
98	Polarization Sensitive Array Beamforming Algorithm for Multipath Mitigation in GNSS. , 2020, , .		0
99	The Robustness of Pencil Beam Synthesis Without Considering Sensor Uncertainties. IEEE Transactions on Antennas and Propagation, 2022, 70, 8608-8613.	5.1	0
100	A Hierarchically Encoded Data Storage Device with Controlled Transiency (Adv. Mater. 20/2022). Advanced Materials, 2022, 34, .	21.0	0