

Xianling Liang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119
papers

1,215
citations

19
h-index

29
g-index

168
ext. papers

1,767
ext. citations

3.3
avg, IF

4.71
L-index

#	Paper	IF	Citations
119	Water metamaterial for ultra-broadband and wide-angle absorption. <i>Optics Express</i> , 2018 , 26, 5052-5059	3.3	63
118	High-Efficiency Transmissive Programmable Metasurface for Multimode OAM Generation. <i>Advanced Optical Materials</i> , 2020 , 8, 2000570	8.1	59
117	A Broadband Dual Circularly Polarized Patch Antenna With Wide Beamwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1457-1460	3.8	52
116	Direction Finding by Time-Modulated Array With Harmonic Characteristic Analysis. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 642-645	3.8	51
115	Multiband coherent perfect absorption in a water-based metasurface. <i>Optics Express</i> , 2017 , 25, 15737-15745	3.5	41
114	Sideband Radiation Level Suppression in Time-Modulated Array by Nonuniform Period Modulation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 606-609	3.8	41
113	Truly All-Dielectric Ultrabroadband Metamaterial Absorber: Water-Based and Ground-Free. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 536-540	3.8	38
112	Dual-Circularly Polarized Conical-Beam Microstrip Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 482-485	3.8	36
111	. <i>IEEE Access</i> , 2019 , 7, 15444-15451	3.5	34
110	Space-Division Multiple Access Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 610-613	3.8	32
109	Design of a Broadband Metasurface Luneburg Lens for Full-Angle Operation. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2442-2451	4.9	30
108	Direction Finding by Time-Modulated Linear Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3642-3652	4.9	30
107	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 986-998	4.1	29
106	Compact Design of Triple-Band Circularly Polarized Quadrifilar Helix Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 380-383	3.8	26
105	A Dual-Wideband Dual-Polarized Aperture-Shared Patch Antenna With High Isolation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 735-738	3.8	25
104	Parallel Calibration Method for Phased Array With Harmonic Characteristic Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5029-5036	4.9	24
103	MoS ₂ Broadband Coherent Perfect Absorber for Terahertz Waves. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-7	1.8	22

102	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4122-4137	4.1	21
101	Numerical Study of the Near-Field and Far-Field Properties of Active Open Cylindrical Coated Nanoparticle Antennas. <i>IEEE Photonics Journal</i> , 2011 , 3, 1093-1110	1.8	20
100	Optical Transparent Antenna Array Integrated With Solar Cell. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 457-461	3.8	19
99	Efficiency Improvement of Time Modulated Array With Reconfigurable Power Divider/Combiner. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4027-4037	4.9	19
98	Generation of OAM Radio Waves with Three Polarizations Using Circular Horn Antenna Array. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-11	1.2	19
97	Analysis and Experiments on Reflection and Refraction of Orbital Angular Momentum Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2085-2094	4.9	18
96	Varactor Loaded Pattern Reconfigurable Patch Antenna With Shorting Pins. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6267-6277	4.9	18
95	Experiments of Orbital Angular Momentum Phase Properties for Long-Distance Transmission. <i>IEEE Access</i> , 2019 , 7, 62689-62694	3.5	16
94	Reconfigurable Unequal Power Divider With a High Dividing Ratio. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 514-516	2.6	16
93	Switched Multibeam Circular Array With a Reconfigurable Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3228-3233	4.9	16
92	Wideband Dual-Polarized Binary Coding Antenna With Wide Beamwidth and Its Array for Millimeter-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 636-640	3.8	15
91	Broadband Dual-Polarized Waveguide Slot Filtenna Array With Low Cross Polarization and High Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 151-159	4.9	15
90	Direction Finding of Linear Frequency Modulation Signal With Time-Modulated Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2841-2846	4.9	14
89	Rectangular Grating Waveguide Slot Array Antenna for SATCOM Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3869-3880	4.9	13
88	A Cylindrically Conformal Array With Enhanced Axial Radiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1653-1656	3.8	13
87	Wideband Circularly Polarized Antenna With Dual-Mode Operation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 767-770	3.8	12
86	Polarization-Insensitive Metasurface Lens for Efficient Generation of Convergent OAM Beams. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2696-2700	3.8	12
85	Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 282-286	3.8	11

84	Metal-Loaded Seawater Antenna With High Radiation Efficiency and Wideband Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1671-1674	3.8	10
83	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1127-1130	3.8	10
82	High-Accuracy DOA Estimation Based on Time-Modulated Array With Long and Short Baselines. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1391-1395	3.8	10
81	Rotman Lens-Fed Fabry-Perot Resonator Antennas for Generating Converged Multi-Mode OAM Beams. <i>IEEE Access</i> , 2019 , 7, 105768-105775	3.5	10
80	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 383-387	3.8	9
79	Multifrequency Transformer With Arbitrary Frequency and Real Impedance Transform Ratio. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 785-787	2.6	9
78	A Novel Analytical Method for Multi-Frequency Transmission Line Transformer. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 556-558	2.6	9
77	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 283-286	3.8	8
76	Ruggedized Planar Monopole Antenna With a Null-Filled Shaped Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 933-936	3.8	7
75	A Generalized Approach for Multifrequency Transmission Line Transformer With Frequency-Dependent Complex Source and Load. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3603-3616	4.1	7
74	Perforated dielectric antenna reflectarray for OAM generation 2015 ,		7
73	Detailed performance characteristics of vertically polarized, cylindrical, active coated nano-particle antennas. <i>Radio Science</i> , 2012 , 47, n/a-n/a	1.4	7
72	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 255-259	3.8	7
71	Direction Finding of Linear Frequency Modulation Signal in Time Modulated Array With Pulse Compression. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 509-520	4.9	7
70	A COMPACT ENDFIRE RADIATION ANTENNA BASED ON SPOOF SURFACE PLASMON POLARITONS IN WIDE BANDWIDTH. <i>Progress in Electromagnetics Research M</i> , 2019 , 79, 147-157	0.6	6
69	A Multifixture Full-Wave De-Embedding Method for Characterizing One-Port Devices. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 3894-3910	4.1	6
68	De-Embedding Based on EM Simulation and Measurement: A Hybrid Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 5019-5034	4.1	6
67	Dual Circularly Polarized Omnidirectional Antenna with Slot Array on Coaxial Cylinder. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-7	1.2	6

66	Design of a horn lens antenna for OAM generation 2015 ,		6
65	Active cylindrical coated nano-particle antennas: polarization-dependent scattering properties. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 1392-1406	1.3	6
64	The Ultra-Compact ELF Magneto-Mechanical Transmission Antenna With the Speed Modulated EM Signal Based on Three-Phase Induction Motor. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5286-5296	4.9	6
63	Dual CP Polarization Diversity and Space Diversity Antennas Enabled by a Compact T-Shaped Feed Structure. <i>IEEE Access</i> , 2019 , 7, 96284-96296	3.5	5
62	High-sensitivity OAM phase gradient detection based on time-modulated harmonic characteristic analysis. <i>Electronics Letters</i> , 2017 , 53, 812-814	1.1	5
61	A compact omnidirectional CP coaxial slots antenna 2015 ,		5
60	A method of accurate co-simulation by considering lumped port setting in EM simulator 2015 ,		5
59	A tri-band bandstop filter with sharp rejection and controllable bandstop frequencies 2015 ,		5
58	A Compact Waveguide Slot Filtering Antenna Based on Mushroom-Type Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1823-1827	3.8	5
57	Dual-Port Phase Antenna and Its Application in 1-D Arrays to 2-D Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	5
56	Direction Finding Based on Time-Modulated Array With Multiharmonic Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5753-5758	4.9	4
55	Instantaneous Gain Optimization in Time Modulated Array Using Reconfigurable Power Divide/Combiner. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 530-533	3.8	4
54	Theory Analysis and Realization of Single-/Dual-Port Excitation in Beam-Forming Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 4912-4917	4.9	4
53	Realizing orbital angular momentum (OAM) beam with small divergence angle by luneberg lens 2017 ,		4
52	Beamforming method with periodical amplitude modulation array 2013 ,		4
51	Multiple Antenna Selection Schemes with a RF Reconfigurable Power Combiner. <i>Wireless Personal Communications</i> , 2015 , 85, 1071-1080	1.9	3
50	Subwavelength plasmonic nanoantenna as a Plasmonic Induced Polarization Rotator (PI-PR). <i>Scientific Reports</i> , 2020 , 10, 2809	4.9	3
49	Circularly-Polarized Shaped Pattern Planar Antenna for Aerial Platforms. <i>IEEE Access</i> , 2020 , 8, 7466-7473	3.5	3

48	Direction finding by time modulated linear array 2017,		3
47	A circular truncated cone slot antenna with circular polarized conical beam 2017,		3
46	A compact and high-selectivity tri-band bandpass filter based on symmetrical stub-loaded square ring resonator. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 630-636	1.2	3
45	A K-Band Broadband Circularly Polarized Slot Antenna Based on L-Shaped Waveguide Cavity. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1606-1610	3.8	3
44	A Broadband Dual-polarized Solar Cell Phased Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
43	A t-shaped feed structure to enhance the performance of a polarization diversity antenna 2017,		2
42	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1439-1442	3.8	2
41	Photoluminescence Revealed Higher Order Plasmonic Resonance Modes and Their Unexpected Frequency Blue Shifts in Silver-Coated Silica Nanoparticle Antennas. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3000	2.6	2
40	A UHF Broadband Spider-Shaped Monopole Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 782-785	3.8	2
39	An improved mixed-integer multi-objective particle swarm optimization and its application in antenna array design 2013,		2
38	A low profile CP antenna based on novel hexagon grids optimization model 2015,		2
37	An ultra-wideband cross-dipole antenna with wide beam for dual-polarization applications 2015,		2
36	Design of a Quadrifilar helical antenna with high phase center stability 2012,		2
35	A novel dual-band circularly-polarized wide-beam quadrifilar helix antenna 2012,		2
34	Wide bandwidth dual-frequency dual-polarized microstrip array antenna for Ku-band applications 2012,		2
33	Studies of nanometer antennas incorporating gain material using CST 2011,		2
32	A Design Approach for Compact Wideband Transformer With Frequency-Dependent Complex Loads and Its Application to Wilkinson Power Divider. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 1611-1624	4.1	2
31	Broadband Dual Circularly Polarized Magnetolectric Dipole Antenna Fed by a Miniaturized Six-Branch Hybrid Coupler. <i>International Journal of Antennas and Propagation</i> , 2016 , 2016, 1-10	1.2	2

30	Compact Wideband Bandstop Filter With Directly Controlled Rejection. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	2
29	Spoof Surface Plasmon Polaritons Pattern Reconfigurable Antenna for Wide-Angle Coverage 2018 ,		2
28	Polarization-insensitive metasurfaces for generating converging vortex beams carrying orbital angular momentum 2018 ,		2
27	An UHF Tree-Like Biconical Antenna With Both Conical and Horizontal Omnidirectional Radiations. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 187-189	3.8	1
26	A compact ultra-wideband power divider with high isolation 2014 ,		1
25	Wideband wide-slot antenna array with protrusion for wide-angle scanning 2017 ,		1
24	Synthesizing orbital angular momentum beam with small divergence angle 2017 ,		1
23	Broadband antenna array for SAR applications 2014 ,		1
22	Study on low profile cp antenna by combining discrete grid model and parameter optimization 2014 ,		1
21	A novel SIW horn antenna with high gain and high efficiency 2014 ,		1
20	A Modified Lumped-Network Finite-Difference Time-Domain Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 326-329	3.8	1
19	Design of Arbitrarily Shaped Planar Microstrip Antenna Arrays with Improved Efficiency. <i>International Journal of Antennas and Propagation</i> , 2013 , 2013, 1-10	1.2	1
18	Compact DVB-T printed monopole antenna 2010 ,		1
17	Improved Mid-Field calibration technology for linear array 2011 ,		1
16	A 60-GHz wideband dielectric resonator antenna with inclined radiation 2012 ,		1
15	An approach to achieve directional low-profile antenna of quintuple stable pattern band by utilising dipole with compound concave corrugated reflector. <i>IET Microwaves, Antennas and Propagation</i> , 2021 , 15, 629-643	1.6	1
14	Multi-user Communication by Electromagnetic Vortex Based on Time Modulated Array 2019 ,		1
13	Core-Shell Nano-Antenna Configurations for Array Formation with More Stability Having Conventional and Non-Conventional Directivity and Propagation Behavior. <i>Nanomaterials</i> , 2021 , 11,	5.4	1

12	A Metamaterial Broadwall Waveguide Slot Filtering Antenna for SAR Applications 2018 ,		1
11	A Compact Reconfigurable coaxial slot antenna 2018 ,		1
10	Novel Beam Scanning Antenna System Fed by Reconfigurable Beamforming Network 2018 ,		1
9	Study on the Rotated SSPPs Structure and Its Applications in Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4475-4487	4.9	1
8	Grating ridged waveguide V-shaped slot array antenna for SATCOM applications. <i>Electronics Letters</i> , 2019 , 55, 170-172	1.1	0
7	A Novel Radar Based on Two-Element Time-Modulated Array. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 524-528	4.1	0
6	Realization of Multimode OAM Beams with Almost the Same Divergence Angles. <i>International Journal of Antennas and Propagation</i> , 2021 , 2021, 1-10	1.2	0
5	Designs and Performance Characteristics of Coated Nanotoroid Antennas. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-11	1.2	
4	A General Method for Modeling Packaged Diode Spanning Multiple Cells in FDTD. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 392-395	3.8	
3	m-Shaped SSPPs Structure to Low Profile Vertically Polarized Antenna with High Gain to be Conformal with Vehicle Shell. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	
2	Corrections to Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1047-1047	3.8	
1	A Compensation Method of Nonideal Modulation Pulse for Direction Finding With Time-modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 1-1	3.8	