

# Xianling Liang

## List of Publications by Year in Descending Order

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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	A Compensation Method of Nonideal Modulation Pulse for Direction Finding With Time-modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	
118	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> , <b>2021</b> , 1-1	6.8	
117	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> , <b>2021</b> , 69, 1611-1624	4.1	2
116	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> , <b>2021</b> , 15, 629-643	1.6	1
115	Dual-Port Phase Antenna and Its Application in 1-D Arrays to 2-D Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5
114	Core-Shell Nano-Antenna Configurations for Array Formation with More Stability Having Conventional and Non-Conventional Directivity and Propagation Behavior. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
113	Compact Wideband Bandstop Filter With Directly Controlled Rejection. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	2
112	Realization of Multimode OAM Beams with Almost the Same Divergence Angles. <i>International Journal of Antennas and Propagation</i> , <b>2021</b> , 2021, 1-10	1.2	0
111	Study on the Rotated SSPPs Structure and Its Applications in Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 4475-4487	4.9	1
110	A K-Band Broadband Circularly Polarized Slot Antenna Based on L-Shaped Waveguide Cavity. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 1606-1610	3.8	3
109	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> , <b>2021</b> , 69, 5286-5296	4.9	6
108	A Broadband Dual-polarized Solar Cell Phased Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
107	High-Efficiency Transmissive Programmable Metasurface for Multimode OAM Generation. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000570	8.1	59
106	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1439-1442	3.8	2
105	Subwavelength plasmonic nanoantenna as a Plasmonic Induced Polarization Rotator (PI-PR). <i>Scientific Reports</i> , <b>2020</b> , 10, 2809	4.9	3
104	Wideband Dual-Polarized Binary Coding Antenna With Wide Beamwidth and Its Array for Millimeter-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 636-640	3.8	15
103	Direction Finding Based on Time-Modulated Array With Multiharmonic Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5753-5758	4.9	4

102	Optical Transparent Antenna Array Integrated With Solar Cell. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 457-461	3.8	19
101	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 383-387	3.8	9
100	Circularly-Polarized Shaped Pattern Planar Antenna for Aerial Platforms. <i>IEEE Access</i> , <b>2020</b> , 8, 7466-7472	3.5	3
99	Corrections to Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1047-1047	3.8	
98	A compact and high-selectivity tri-band bandpass filter based on symmetrical stub-loaded square ring resonator. <i>Microwave and Optical Technology Letters</i> , <b>2020</b> , 62, 630-636	1.2	3
97	Multiuser Communication by Electromagnetic Vortex Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 282-286	3.8	11
96	A Compact Waveguide Slot Filtering Antenna Based on Mushroom-Type Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1823-1827	3.8	5
95	Direction Finding of Linear Frequency Modulation Signal in Time Modulated Array With Pulse Compression. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 509-520	4.9	7
94	. <i>IEEE Access</i> , <b>2019</b> , 7, 15444-15451	3.5	34
93	Analysis and Experiments on Reflection and Refraction of Orbital Angular Momentum Waves. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2085-2094	4.9	18
92	Truly All-Dielectric Ultrabroadband Metamaterial Absorber: Water-Based and Ground-Free. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 536-540	3.8	38
91	Experiments of Orbital Angular Momentum Phase Properties for Long-Distance Transmission. <i>IEEE Access</i> , <b>2019</b> , 7, 62689-62694	3.5	16
90	A COMPACT ENDFIRE RADIATION ANTENNA BASED ON SPOOF SURFACE PLASMON POLARITONS IN WIDE BANDWIDTH. <i>Progress in Electromagnetics Research M</i> , <b>2019</b> , 79, 147-157	0.6	6
89	Rectangular Grating Waveguide Slot Array Antenna for SATCOM Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 3869-3880	4.9	13
88	Wideband Circularly Polarized Antenna With Dual-Mode Operation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 767-770	3.8	12
87	Grating ridged waveguide V-shaped slot array antenna for SATCOM applications. <i>Electronics Letters</i> , <b>2019</b> , 55, 170-172	1.1	0
86	Direction Finding of Linear Frequency Modulation Signal With Time-Modulated Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2841-2846	4.9	14
85	A Generalized Approach for Multifrequency Transmission Line Transformer With Frequency-Dependent Complex Source and Load. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 3603-3616	4.1	7

84	Varactor Loaded Pattern Reconfigurable Patch Antenna With Shorting Pins. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6267-6277	4.9	18
83	Dual CP Polarization Diversity and Space Diversity Antennas Enabled by a Compact T-Shaped Feed Structure. <i>IEEE Access</i> , <b>2019</b> , 7, 96284-96296	3.5	5
82	Photoluminescence Revealed Higher Order Plasmonic Resonance Modes and Their Unexpected Frequency Blue Shifts in Silver-Coated Silica Nanoparticle Antennas. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3000	2.6	2
81	Rotman Lens-Fed Fabry-Perot Resonator Antennas for Generating Converged Multi-Mode OAM Beams. <i>IEEE Access</i> , <b>2019</b> , 7, 105768-105775	3.5	10
80	Polarization-Insensitive Metasurface Lens for Efficient Generation of Convergent OAM Beams. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2696-2700	3.8	12
79	Multi-user Communication by Electromagnetic Vortex Based on Time Modulated Array <b>2019</b> ,		1
78	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 255-259	3.8	7
77	Design of a Broadband Metasurface Luneburg Lens for Full-Angle Operation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2442-2451	4.9	30
76	A Novel Radar Based on Two-Element Time-Modulated Array. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2019</b> , 16, 524-528	4.1	0
75	Broadband Dual-Polarized Waveguide Slot Antenna Array With Low Cross Polarization and High Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 151-159	4.9	15
74	Instantaneous Gain Optimization in Time Modulated Array Using Reconfigurable Power Divide/Combiner. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 530-533	3.8	4
73	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 283-286	3.8	8
72	Ruggedized Planar Monopole Antenna With a Null-Filled Shaped Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 933-936	3.8	7
71	A Dual-Wideband Dual-Polarized Aperture-Shared Patch Antenna With High Isolation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 735-738	3.8	25
70	High-Accuracy DOA Estimation Based on Time-Modulated Array With Long and Short Baselines. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1391-1395	3.8	10
69	Water metamaterial for ultra-broadband and wide-angle absorption. <i>Optics Express</i> , <b>2018</b> , 26, 5052-5059	3.3	63
68	Theory Analysis and Realization of Single-/Dual-Port Excitation in Beam-Forming Network. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4912-4917	4.9	4
67	Spoof Surface Plasmon Polaritons Pattern Reconfigurable Antenna for Wide-Angle Coverage <b>2018</b> ,		2

66	A Metamaterial Broadwall Waveguide Slot Filtering Antenna for SAR Applications <b>2018,</b>		1
65	A Compact Reconfigurable coaxial slot antenna <b>2018,</b>		1
64	Novel Beam Scanning Antenna System Fed by Reconfigurable Beamforming Network <b>2018,</b>		1
63	Polarization-insensitive metasurfaces for generating converging vortex beams carrying orbital angular momentum <b>2018,</b>		2
62	Direction Finding by Time-Modulated Linear Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3642-3652	4.9	30
61	Metal-Loaded Seawater Antenna With High Radiation Efficiency and Wideband Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1671-1674	3.8	10
60	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1127-1130	3.8	10
59	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 4122-4137	4.1	21
58	A t-shaped feed structure to enhance the performance of a polarization diversity antenna <b>2017,</b>		2
57	Multifrequency Transformer With Arbitrary Frequency and Real Impedance Transform Ratio. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 785-787	2.6	9
56	De-Embedding Based on EM Simulation and Measurement: A Hybrid Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 5019-5034	4.1	6
55	High-sensitivity OAM phase gradient detection based on time-modulated harmonic characteristic analysis. <i>Electronics Letters</i> , <b>2017</b> , 53, 812-814	1.1	5
54	Efficiency Improvement of Time Modulated Array With Reconfigurable Power Divider/Combiner. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4027-4037	4.9	19
53	Multiband coherent perfect absorption in a water-based metasurface. <i>Optics Express</i> , <b>2017</b> , 25, 15737-15745	3.5	41
52	Direction finding by time modulated linear array <b>2017,</b>		3
51	Realizing orbital angular momentum (OAM) beam with small divergence angle by luneberg lens <b>2017,</b>		4
50	Wideband wide-slot antenna array with protrusion for wide-angle scanning <b>2017,</b>		1
49	A circular truncated cone slot antenna with circular polarized conical beam <b>2017,</b>		3

48	Synthesizing orbital angular momentum beam with small divergence angle <b>2017</b> ,		1
47	A Multifixture Full-Wave De-Embedding Method for Characterizing One-Port Devices. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 3894-3910	4.1	6
46	A Cylindrically Conformal Array With Enhanced Axial Radiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 1653-1656	3.8	13
45	Broadband Dual Circularly Polarized Magnetolectric Dipole Antenna Fed by a Miniaturized Six-Branch Hybrid Coupler. <i>International Journal of Antennas and Propagation</i> , <b>2016</b> , 2016, 1-10	1.2	2
44	MoS <sub>2</sub> Broadband Coherent Perfect Absorber for Terahertz Waves. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-7	1.8	22
43	Switched Multibeam Circular Array With a Reconfigurable Network. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3228-3233	4.9	16
42	A Novel Analytical Method for Multi-Frequency Transmission Line Transformer. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 556-558	2.6	9
41	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2015</b> , 63, 986-998	4.1	29
40	Dual-Circularly Polarized Conical-Beam Microstrip Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 482-485	3.8	36
39	Reconfigurable Unequal Power Divider With a High Dividing Ratio. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2015</b> , 25, 514-516	2.6	16
38	Multiple Antenna Selection Schemes with a RF Reconfigurable Power Combiner. <i>Wireless Personal Communications</i> , <b>2015</b> , 85, 1071-1080	1.9	3
37	Direction Finding by Time-Modulated Array With Harmonic Characteristic Analysis. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 642-645	3.8	51
36	An UHF Tree-Like Biconical Antenna With Both Conical and Horizontal Omnidirectional Radiations. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 187-189	3.8	1
35	A compact omnidirectional CP coaxial slots antenna <b>2015</b> ,		5
34	A method of accurate co-simulation by considering lumped port setting in EM simulator <b>2015</b> ,		5
33	Designs and Performance Characteristics of Coated Nanotoroid Antennas. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-11	1.2	
32	Dual Circularly Polarized Omnidirectional Antenna with Slot Array on Coaxial Cylinder. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-7	1.2	6
31	Generation of OAM Radio Waves with Three Polarizations Using Circular Horn Antenna Array. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-11	1.2	19

30	Space-Division Multiple Access Based on Time-Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 610-613	3.8	32
29	A tri-band bandstop filter with sharp rejection and controllable bandstop frequencies <b>2015</b> ,		5
28	A low profile CP antenna based on novel hexagon grids optimization model <b>2015</b> ,		2
27	Sideband Radiation Level Suppression in Time-Modulated Array by Nonuniform Period Modulation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 606-609	3.8	41
26	Perforated dielectric antenna reflectarray for OAM generation <b>2015</b> ,		7
25	Design of a horn lens antenna for OAM generation <b>2015</b> ,		6
24	An ultra-wideband cross-dipole antenna with wide beam for dual-polarization applications <b>2015</b> ,		2
23	A UHF Broadband Spider-Shaped Monopole Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 782-785	3.8	2
22	A compact ultra-wideband power divider with high isolation <b>2014</b> ,		1
21	Parallel Calibration Method for Phased Array With Harmonic Characteristic Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5029-5036	4.9	24
20	Compact Design of Triple-Band Circularly Polarized Quadrifilar Helix Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 380-383	3.8	26
19	Broadband antenna array for SAR applications <b>2014</b> ,		1
18	Study on low profile cp antenna by combining discrete grid model and parameter optimization <b>2014</b> ,		1
17	A novel SIW horn antenna with high gain and high efficiency <b>2014</b> ,		1
16	A Broadband Dual Circularly Polarized Patch Antenna With Wide Beamwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1457-1460	3.8	52
15	An improved mixed-integer multi-objective particle swarm optimization and its application in antenna array design <b>2013</b> ,		2
14	A General Method for Modeling Packaged Diode Spanning Multiple Cells in FDTD. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 392-395	3.8	
13	Beamforming method with periodical amplitude modulation array <b>2013</b> ,		4

12	Active cylindrical coated nano-particle antennas: polarization-dependent scattering properties. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 1392-1406	1.3	6
11	Design of Arbitrarily Shaped Planar Microstrip Antenna Arrays with Improved Efficiency. <i>International Journal of Antennas and Propagation</i> , <b>2013</b> , 2013, 1-10	1.2	1
10	Design of a Quadrifilar helical antenna with high phase center stability <b>2012</b> ,		2
9	A novel dual-band circularly-polarized wide-beam quadrifilar helix antenna <b>2012</b> ,		2
8	Wide bandwidth dual-frequency dual-polarized microstrip array antenna for Ku-band applications <b>2012</b> ,		2
7	A Modified Lumped-Network Finite-Difference Time-Domain Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 326-329	3.8	1
6	Detailed performance characteristics of vertically polarized, cylindrical, active coated nano-particle antennas. <i>Radio Science</i> , <b>2012</b> , 47, n/a-n/a	1.4	7
5	A 60-GHz wideband dielectric resonator antenna with inclined radiation <b>2012</b> ,		1
4	Numerical Study of the Near-Field and Far-Field Properties of Active Open Cylindrical Coated Nanoparticle Antennas. <i>IEEE Photonics Journal</i> , <b>2011</b> , 3, 1093-1110	1.8	20
3	Improved Mid-Field calibration technology for linear array <b>2011</b> ,		1
2	Studies of nanometer antennas incorporating gain material using CST <b>2011</b> ,		2
1	Compact DVB-T printed monopole antenna <b>2010</b> ,		1