

Ling Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5591937/publications.pdf>

Version: 2024-02-01

90
papers

821
citations

840776

11
h-index

552781

26
g-index

90
all docs

90
docs citations

90
times ranked

832
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutual Coupling Reduction by Novel Fractal Defected Ground Structure Bandgap Filter. IEEE Transactions on Antennas and Propagation, 2016, 64, 4328-4335.	5.1	191
2	Shaped periodic defected ground structures to reduce microstrip antenna array mutual coupling. Electronics Letters, 2016, 52, 1288-1290.	1.0	105
3	Narrow-Band Interference Suppression via RPCA-Based Signal Separation in Time-Frequency Domain. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5016-5025.	4.9	67
4	Wireless Body Area Networks MAC Protocol For Energy Efficiency and Extending Lifetime. , 2018, 2, 1-4.		46
5	Multi-Beam Directional Modulation Synthesis Scheme Based on Frequency Diverse Array. IEEE Transactions on Information Forensics and Security, 2019, 14, 2593-2606.	6.9	34
6	DOA Estimation Under Mutual Coupling of Uniform Linear Arrays Using Sparse Reconstruction. IEEE Wireless Communications Letters, 2019, 8, 1004-1007.	5.0	30
7	Automatic Modulation Recognition Based on Adaptive Attention Mechanism and ResNeXt WSL Model. IEEE Communications Letters, 2021, 25, 2953-2957.	4.1	29
8	Sparsity-Inducing DOA Estimation of Coherent Signals Under the Coexistence of Mutual Coupling and Nonuniform Noise. IEEE Access, 2019, 7, 40271-40278.	4.2	22
9	Energy Efficiency TDMA/CSMA Hybrid Protocol with Power Control for WSN. Wireless Communications and Mobile Computing, 2018, 2018, 1-7.	1.2	20
10	Microstrip antenna array mutual coupling suppression using coupled polarisation transformer. IET Microwaves, Antennas and Propagation, 2017, 11, 1836-1840.	1.4	19
11	Artificial-Noise-Aided Secure Transmission for Proximal Legitimate User and Eavesdropper Based on Frequency Diverse Arrays. IEEE Access, 2018, 6, 52531-52543.	4.2	19
12	Multi-Beam Index Modulation With Cooperative Legitimate Users Schemes Based on Frequency Diverse Array. IEEE Transactions on Vehicular Technology, 2020, 69, 11028-11041.	6.3	19
13	Mutual coupling reduction of microstrip antenna array by periodic defected ground structures. , 2016, , .		15
14	Optimal power allocation for achievable secrecy rate in an untrusted relay network with bounded channel estimation error. , 2017, , .		13
15	GPS signal anti-jamming based on dual-polarized antenna array. , 2011, , .		12
16	Array Pattern Synthesis Using Particle Swarm Optimization with Dynamic Inertia Weight. International Journal of Antennas and Propagation, 2016, 2016, 1-7.	1.2	11
17	Energy Efficient Cross-Layer Transmission Model for Mobile Wireless Sensor Networks. Mobile Information Systems, 2017, 2017, 1-8.	0.6	10
18	A Radio Signal Recognition Approach Based on Complex-Valued CNN and Self-Attention Mechanism. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1358-1373.	7.9	10

#	ARTICLE	IF	CITATIONS
19	Characteristics and Application of a Novel Loop Antenna to UHF RFID Receivers. International Journal of Antennas and Propagation, 2011, 2011, 1-7.	1.2	8
20	Broadband Circular Polarizer Based on Multilayer Gradual Frequency Selective Surfaces. International Journal of Antennas and Propagation, 2016, 2016, 1-5.	1.2	8
21	Efficient Real-Valued Rank Reduction Algorithm for DOA Estimation of Noncircular Sources Under Mutual Coupling. IEEE Access, 2018, 6, 64450-64460.	4.2	8
22	Dual-Band RFID Antenna for 0.92 GHz Near-Field and 2.45 GHz Far-Field Applications. International Journal of Antennas and Propagation, 2017, 2017, 1-9.	1.2	7
23	Extraction and Mitigation of Radio Frequency Interference Artifacts Based on Time-Series Sentinel-1 SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	7
24	A Robust Method to Suppress Jamming for GNSS Array Antenna Based on Reconstruction of Sample Covariance Matrix. International Journal of Antennas and Propagation, 2017, 2017, 1-12.	1.2	6
25	Optimal Power Allocation in an Amplify-and-Forward Untrusted Relay Network with Imperfect Channel State Information. Wireless Personal Communications, 2018, 101, 1281-1293.	2.7	6
26	Robust tensor beamforming for polarization sensitive arrays. Multidimensional Systems and Signal Processing, 2019, 30, 727-748.	2.6	6
27	Medium Access Control for Unmanned Aerial Vehicle Based Mission Critical Wireless Sensor Networks in 3D Monitoring Networks. IEEE Access, 2019, 7, 102274-102283.	4.2	5
28	Attention Mechanism Based ResNeXt Network for Automatic Modulation Classification. , 2021, , .		5
29	Direction Finding for Bistatic MIMO Radar Using a Sparse Moving Array With Sensor Position Errors. IEEE Wireless Communications Letters, 2022, 11, 1840-1844.	5.0	5
30	Radio Frequency Interference Signature Detection in Radar Remote Sensing Image Using Semantic Cognition Enhancement Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	5
31	Symbol separation and beamforming to improve secure transmission in multi-untrusted relay networks. Electronics Letters, 2018, 54, 252-254.	1.0	4
32	Accurate Approximation of ZF Massive MIMO Channel Rate With a Finite Antenna Over Ricean Fading Channel. IEEE Access, 2018, 6, 65803-65812.	4.2	4
33	Localizing GNSS Spoofing Attacks Using Direct Position Determination. IEEE Sensors Journal, 2022, 22, 15323-15333.	4.7	4
34	Mutual coupling efficient analysis of rectangle microstrip circular polarization antenna array. Journal of Electromagnetic Waves and Applications, 2015, 29, 425-435.	1.6	3
35	Dual-band RFID antenna for near field of 0.93 GHz and far field of 2.45 GHz. , 2016, , .		3
36	Joint DOA and Polarization Estimation with Two Parallel Sparse Dipole Arrays. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Efficient Cumulant-Based Methods for Joint Angle and Frequency Estimation Using Spatial-Temporal Smoothing. <i>Electronics (Switzerland)</i> , 2019, 8, 82.	3.1	3
38	Characterization of Terrain Scattered Interference from Space-Borne Active Sensor: A Case Study in Sentinel-1 Image. , 2019, , .		3
39	The New C-Shaped Parasitic Strip for the Single-Feed Circularly Polarized (CP) Microstrip Antenna Design. <i>International Journal of Antennas and Propagation</i> , 2019, 2019, 1-9.	1.2	3
40	An Efficient Near-Field Localization Method of Coherently Distributed Strictly Non-circular Signals. <i>Sensors</i> , 2020, 20, 5176.	3.8	3
41	Interference Mitigation for Synthetic Aperture Radar Data using Tensor Representation and Low-Rank Approximation. , 2020, , .		3
42	Localisation and classification of mixed far-field and near-field sources with sparse reconstruction. <i>IET Signal Processing</i> , 2022, 16, 426-437.	1.5	3
43	Direction estimation algorithm for wideband monobit receiver. , 2009, , .		2
44	Fast acquisition implementation and analysis with multi-channel search on FPGA for GNSS systems. , 2012, , .		2
45	New designed multifunctional handset antenna for GPS and FRS application. , 2013, , .		2
46	Iterative threshold algorithm for narrow-band interference suppression. , 2013, , .		2
47	Radiation Efficiency Improvement Method for Multifeed Circular Polarization Antenna Array with Mutual Coupling Effect. <i>International Journal of Antennas and Propagation</i> , 2014, 2014, 1-10.	1.2	2
48	Directional modulation based on chaos scrambling and artificial noise for physical layer security enhancement. <i>IET Communications</i> , 2019, 13, 3307-3316.	2.2	2
49	Joint Resource Allocation for Multiuser Opportunistic Beamforming Systems with OFDM-NOMA. <i>Entropy</i> , 2021, 23, 809.	2.2	2
50	Signal parameter estimation through hierarchical conjugate gradient least squares applied to tensor decomposition. <i>ETRI Journal</i> , 2020, 42, 922-931.	2.0	2
51	Robust Adaptive Beamforming Based on Interference Covariance Matrix Reconstruction and Steering Vector Estimation. , 2021, , .		2
52	Priority-Based Hybrid MAC Protocol for VANET with UAV-Enabled Roadside Units. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-13.	1.2	2
53	Robust beamforming for motional interference mitigation in DSSS. , 2013, , .		1
54	A Multichannel Transmitting and Assistant Nodes MAC Protocol for Mobile Ad Hoc Networks. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
55	Study on Horizontally Polarized Omnidirectional Microstrip Antenna. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	1.2	1
56	Study of novel antenna radome for circular polarizer and director. Journal of Electromagnetic Waves and Applications, 2016, 30, 651-660.	1.6	1
57	Array pattern synthesis by position shift method. , 2017, , .		1
58	A novel beamforming to improve secrecy rate in a DAJ based untrusted relay network. , 2017, , .		1
59	Interference Suppression for SAR Base on Ambiguity Function Iteration Decomposition. , 2018, , .		1
60	DOA and Polarization Parameters Estimation by Exploiting Canonical Polyadic Decomposition of Tensors. Wireless Communications and Mobile Computing, 2019, 2019, 1-12.	1.2	1
61	Joint Space and Time Processing for Unknown Mutual Coupling Blind Calibration and Mixed Sources Identification Using Uniform Circular Array. Electronics (Switzerland), 2019, 8, 525.	3.1	1
62	Analytical approximation of ZF Ricean rate in massive MIMO channels. Electronics Letters, 2019, 55, 224-226.	1.0	1
63	A Hybrid PSO-GA Algorithm Based Directional Modulation Technique. , 2019, , .		1
64	Fast radar detection method based on two-dimensional trilinear autocorrelation function for maneuvering target with jerk motion. Journal of Applied Remote Sensing, 2021, 15, .	1.3	1
65	Direct Position Determination in the Presence of Direction-Dependent Mutual Coupling Using a Moving Array. , 2021, , .		1
66	Wideband Interference Suppression for SAR by Time-Frequency-Pulse Joint Domain Processing. , 2020, , .		1
67	Adaptive noise bandwidth based carrier tracking loop method in navigation receivers. , 2013, , .		0
68	Integrated implementation of fixed-point turbo decoders for LTE system. , 2013, , .		0
69	A novel circular polarization antenna radome. , 2014, , .		0
70	Study of a novel circular polarization antenna radome. , 2014, , .		0
71	Anti-jamming techniques based on digital multi-beam and robust mode control. , 2016, , .		0
72	Optimized secure and energy-efficient transmission in an untrusted relay network. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	Direction Finding Algorithm for Noncircular Signals in the Presence of Unknown Mutual Coupling. , 2018, , .		0
74	A Compact Unidirectional Radiated Microstrip RFID Tag Antenna. , 2018, , .		0
75	Linear Array Pattern Synthesis Using Multi-Objective Optimization Algorithm Based on Reference Vectors. , 2019, , .		0
76	Classification and Localization of Mixed Sources after Blind Calibration of Unknown Mutual Coupling. International Journal of Antennas and Propagation, 2019, 2019, 1-13.	1.2	0
77	Coherent Signal Parameter Estimation by Exploiting Decomposition of Tensors. Mathematical Problems in Engineering, 2019, 2019, 1-8.	1.1	0
78	Fast radar detection algorithm based on two-dimensional non-uniform trilinear autocorrelation function for manoeuvring target with jerk motion. Electronics Letters, 2021, 57, 451-453.	1.0	0
79	A Hybrid Interference Suppression Method Based On Robust Beamforming. , 2021, , .		0
80	Direction Finding of Coherent Signals in the Presence of Direction-Dependent Mutual Coupling. , 2021, , .		0
81	Information-Priority-Oriented Adaptive MAC Protocol for High Dynamic UAV Network. , 2021, 5, 1-4.		0
82	Joint User Scheduling, Relay Selection, and Power Allocation for Multi-Antenna Opportunistic Beamforming Systems. Entropy, 2021, 23, 1278.	2.2	0
83	Security Enhancement of Directional Modulation Scheme Against Hybrid Eavesdroppers. , 2021, , .		0
84	Conformal Cylindrical Antenna Array for Interference Suppression in Satellite Navigation Systems. , 2011, , 1201-1205.		0
85	A novel digital AGC algorithm based on fault tolerance probability. , 2014, , .		0
86	Parallel multi-beam adaptive beamformer for GPS receivers. WIT Transactions on Information and Communication Technologies, 2014, , .	0.0	0
87	Effects of Interference on Synthetic Aperture Radar Measurements: An Illustrative Example. , 2020, , .		0
88	Planar hexagonal broadband near-field antenna for UHF RFID application. IET Microwaves, Antennas and Propagation, 2020, 14, 1573-1579.	1.4	0
89	Time-Division Multiarray Beamforming for UAV Communication. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	0
90	Sparse Covariance Matrix Reconstruction-Based Nulling Broadening for UAV 2D Antenna Arrays. Wireless Communications and Mobile Computing, 2022, 2022, 1-19.	1.2	0