

# Jian Dong

## List of Publications by Year in descending order

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74  
papers

775  
citations

516710

16  
h-index

580821

25  
g-index

74  
all docs

74  
docs citations

74  
times ranked

726  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Machine Learning Approach for Sentiment Analysis on Twitter Incorporating the Universal Language Model Fine-Tuning and SVM. Applied System Innovation, 2022, 5, 13.	4.6	49
2	Transformer-Based Graph Convolutional Network for Sentiment Analysis. Applied Sciences (Switzerland), 2022, 12, 1316.	2.5	14
3	A Low-Profile Broadband Metasurface Antenna With Polarization Conversion Based on Characteristic Mode Analysis. Frontiers in Physics, 2022, 10, .	2.1	7
4	Optimized Super-Wideband MIMO Antenna with High Isolation for IoT Applications. Micromachines, 2022, 13, 514.	2.9	11
5	Characteristic Mode Inspired Single-Plate Unidirectional Antenna Using Complementary Characteristic Radiation. IEEE Transactions on Antennas and Propagation, 2022, 70, 9837-9842.	5.1	3
6	Abaci-finder: Linux kernel crash classification through stack trace similarity learning. Journal of Parallel and Distributed Computing, 2022, 168, 70-79.	4.1	1
7	Spectrum sharing protocol in two-way cognitive radio networks with energy accumulation in relay node. Peer-to-Peer Networking and Applications, 2021, 14, 837-851.	3.9	3
8	A Phase Angle-Modulated Bat Algorithm with Application to Antenna Topology Optimization. Applied Sciences (Switzerland), 2021, 11, 2243.	2.5	7
9	A Hybridization of Dragonfly Algorithm Optimization and Angle Modulation Mechanism for 0-1 Knapsack Problems. Entropy, 2021, 23, 598.	2.2	19
10	Performance Analysis and Optimization of a Cooperative Transmission Protocol in NOMA-Assisted Cognitive Radio Networks with Discrete Energy Harvesting. Entropy, 2021, 23, 785.	2.2	8
11	Binary MOCWO Based On Competition and Teaching for Computationally Complex Engineering Applications. , 2021, , .		1
12	Antenna Topology Optimization Using BMOGWO Based on Competition and Teaching. , 2021, , .		0
13	A Miniaturized Quad-Stopband Frequency Selective Surface with Convolved and Interdigitated Stripe Based on Equivalent Circuit Model Analysis. Micromachines, 2021, 12, 1027.	2.9	13
14	Dual-Reject Band FSS Design Using Equivalent Circuit Model. , 2021, , .		0
15	Characteristic Mode Inspired Circular Polarization Antenna Using Metamaterial. , 2021, , .		0
16	Outage Performance Analysis of NOMA in Wireless Powered Cognitive Radio Networks with AF and DF Relaying Techniques. Entropy, 2021, 23, 1463.	2.2	2
17	Wideband Circularly Polarized Fragmental E-Shaped Patch Antenna Optimized by Monte Carlo Method. , 2021, , .		0
18	A Design for Wearable Antenna by Using Liquid Metal. , 2021, , .		0

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19	Liquid Metal-Based Devices: Material Properties, Fabrication and Functionalities. <i>Nanomaterials</i> , 2021, 11, 3400.	4.1	9
20	Tri-Objective Compact Log-Periodic Dipole Array Antenna Design Using MOEA/D-GPSO. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 2714-2723.	5.1	21
21	Design of a Twelve-Port MIMO Antenna System for Multi-Mode 4G/5G Smartphone Applications Based on Characteristic Mode Analysis. <i>IEEE Access</i> , 2020, 8, 90751-90759.	4.2	42
22	Investigation of biasing conditions and energy dissipation in electrochemically controlled capillarity liquid metal electronics. <i>Electronics Letters</i> , 2020, 56, 323-325.	1.0	4
23	A Low-Profile Wideband Linear-to-Circular Polarization Conversion Slot Antenna Using Metasurface. <i>Materials</i> , 2020, 13, 1164.	2.9	40
24	The Design of Dual Band Frequency Selective Surface. , 2020, , .		1
25	A Dual-Band Antenna Using Liquid Metal for Wearable Bracelets Communications. , 2020, , .		1
26	Frequency Selective Surface Design Based on Equivalent Circuit. , 2020, , .		1
27	Compact UWB MIMO antenna with quasi-self-complementary half-slot structure. , 2020, , .		0
28	Band Stop Frequency Selective Surface Design Based on Equivalent Circuit. , 2020, , .		0
29	Antenna Topology Optimization Based on Binary Bat Algorithm. , 2020, , .		0
30	A Low-Profile Broadband Polarization Conversion Antenna Using Metasurface. , 2020, , .		1
31	A 3D printed dual-band antenna using liquid metal for wearable bracelets communications. , 2020, , .		1
32	Vulnerable Code Clone Detection for Operating System Through Correlation-Induced Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 6551-6559.	11.3	8
33	Fast Multi-Objective Antenna Optimization Based on RBF Neural Network Surrogate Model Optimized by Improved PSO Algorithm. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2589.	2.5	21
34	Low-Cost Multi-Objective Optimization of Multiparameter Antenna Structures Based on the l1 Optimization BPNN Surrogate Model. <i>Electronics (Switzerland)</i> , 2019, 8, 839.	3.1	7
35	Fast Multi-Objective Optimization of Multi-Parameter Antenna Structures Based on Improved BPNN Surrogate Model. <i>IEEE Access</i> , 2019, 7, 77692-77701.	4.2	67
36	A Frequency-Reconfigurable UWB Antenna with Switchable Single/Dual /Triple Band Notch Functions. , 2019, , .		6

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37	An Adaptive Transmission Scheme in Cooperative Relay Networks with Energy Accumulation. Chinese Journal of Electronics, 2019, 28, 152-161.	1.5	3
38	An automated approach for pixelated antenna topology design incorporating multi-objective optimization algorithms. , 2019, , .		0
39	A Wideband Polarization Conversion Slot Antenna Using Metasurface. , 2019, , .		0
40	Multi-Objective Antenna Design Based on $L_1$ -Optimization BPNN Surrogate Model. , 2019, , .		0
41	A Metamaterial-Based Compact Planar Monopole Antenna for Wi-Fi and UWB Applications. Sensors, 2019, 19, 5426.	3.8	10
42	Planar UWB Monopole Antenna with Tri-Band Rejection Characteristics at 3.5/5.5/8 GHz. Information (Switzerland), 2019, 10, 10.	2.9	4
43	Design of Fragment-Type Antenna Structure Using an Improved BPSO. IEEE Transactions on Antennas and Propagation, 2018, 66, 564-571.	5.1	51
44	Predictive brain networks for major depression in a semi-multimodal fusion hierarchical feature reduction framework. Neuroscience Letters, 2018, 665, 163-169.	2.1	12
45	Throughput analysis of cognitive wireless acoustic sensor networks with energy harvesting. Future Generation Computer Systems, 2018, 86, 1218-1227.	7.5	20
46	Fast Antenna Design Using Multi-Objective Evolutionary Algorithms and Artificial Neural Networks. , 2018, , .		2
47	Design of Antenna Rapid Optimization Platform Based on Intelligent Algorithms and Surrogate Models. , 2018, , .		2
48	Fast Multi-Objective Antenna Design Based on BPNN Surrogate Model. , 2018, , .		5
49	New Circular Array Configurations for Generating Orbital Angular Momentum (OAM) Beams. , 2018, , .		3
50	Multi-model induced network for participatory-sensing-based classification tasks in intelligent and connected transportation systems. Computer Networks, 2018, 141, 157-165.	5.1	4
51	Fast multi-objective optimization of multi-parameter antenna structures based on improved MOEA/D with surrogate-assisted model. AEU - International Journal of Electronics and Communications, 2017, 72, 192-199.	2.9	30
52	A Decoupled Multiband Dual-Antenna System for WWAN/LTE Smartphone Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1528-1532.	4.0	50
53	Cascaded Phase Modulation for AMCC Superimposition Toward MFH Employing CPRI. IEEE Photonics Journal, 2017, 9, 1-6.	2.0	4
54	Minimum redundancy MIMO array synthesis with a hybrid method based on cyclic difference sets and ACO. International Journal of Microwave and Wireless Technologies, 2017, 9, 35-43.	1.9	6

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55	Amygdala Atrophy and Its Functional Disconnection with the Cortico-Striatal-Pallidal-Thalamic Circuit in Major Depressive Disorder in Females. PLoS ONE, 2017, 12, e0168239.	2.5	40
56	Compact Planar Ultrawideband Antennas with 3.5/5.2/5.8 GHz Triple Band-Notched Characteristics for Internet of Things Applications. Sensors, 2017, 17, 349.	3.8	19
57	Design of a Compact Quad-Band Slot Antenna for Integrated Mobile Devices. International Journal of Antennas and Propagation, 2016, 2016, 1-9.	1.2	17
58	Design of a bending dipole RFID antenna at UHF band. , 2016, , .		3
59	MIMO radar array thinning using almost difference sets. , 2016, , .		0
60	MIMO radar array thinning optimization exploiting almost difference sets. Optik, 2016, 127, 4454-4460.	2.9	7
61	Pattern synthesis of MIMO radar using differential particle swarm optimization algorithm. Optik, 2015, 126, 5781-5786.	2.9	6
62	Design and Analysis of a Novel Dual Band-Notched UWB Antenna. International Journal of Antennas and Propagation, 2014, 2014, 1-10.	1.2	19
63	A Multi-Scale Weighted Back Projection Imaging Technique for Ground Penetrating Radar Applications. Remote Sensing, 2014, 6, 5151-5163.	4.0	10
64	Minimum redundancy MIMO array design using cyclic permutation of perfect distance (CPPD). , 2014, , .		0
65	Particle swarm optimization for joint transmit and receive antenna selection in MIMO systems. , 2014, , .		3
66	Minimum Redundancy MIMO Array Synthesis by means of Cyclic Difference Sets. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	1.2	7
67	Antenna array design in MIMO radar using cyclic difference sets and genetic algorithm. , 2012, , .		6
68	Antenna array design in MIMO radar using cyclic difference sets and simulated annealing. , 2012, , .		4
69	An On-Board External Calibration Method for Aperture Synthesis Radiometer by Rotation. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 901-905.	3.1	9
70	Array Configuration Design of One-Dimensional Mirrored Interferometric Aperture Synthesis. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1021-1025.	3.1	17
71	The Placement of Antenna Elements in Aperture Synthesis Microwave Radiometers for Optimum Radiometric Sensitivity. IEEE Transactions on Antennas and Propagation, 2011, 59, 4103-4114.	5.1	25
72	An External Calibration Method for Compensating for the Mutual Coupling Effect in Large Interferometric Aperture Synthesis Radiometers. International Journal of Antennas and Propagation, 2011, 2011, 1-8.	1.2	7

#	ARTICLE	IF	CITATIONS
73	Particle swarm optimization for circular array designs in aperture synthesis radiometers. , 2010, , .		0
74	A low-profile broadband circularly polarized metasurface antenna based on characteristic mode analysis. Waves in Random and Complex Media, 0, , 1-19.	2.7	2