

# Long Zhang

## List of Publications by Year in descending order

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65  
papers

1,470  
citations

471061

17  
h-index

329751

37  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavelet Package Energy Transmissibility Function and Its Application to Wind Turbine Blade Fault Detection. IEEE Transactions on Industrial Electronics, 2022, 69, 13597-13606.	5.2	8
2	Wind turbine blades fault detection using system identification-based transmissibility analysis. Insight: Non-Destructive Testing and Condition Monitoring, 2022, 64, 164-169.	0.3	3
3	Wind Turbine Blade Bearing Fault Diagnosis Under Fluctuating Speed Operations via Bayesian Augmented Lagrangian Analysis. IEEE Transactions on Industrial Informatics, 2021, 17, 4613-4623.	7.2	32
4	Misalignment Fault Diagnosis for Wind Turbines Based on Information Fusion. Entropy, 2021, 23, 243.	1.1	11
5	Acoustic Emission Analysis for Wind Turbine Blade Bearing Fault Detection Under Time-Varying Low-Speed and Heavy Blade Load Conditions. IEEE Transactions on Industry Applications, 2021, 57, 2791-2800.	3.3	29
6	Identifying the most suitable machine learning approach for a road digital twin. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2021, 174, 88-101.	1.1	5
7	Vibration analysis for large-scale wind turbine blade bearing fault detection with an empirical wavelet thresholding method. Renewable Energy, 2020, 146, 99-110.	4.3	96
8	Maintenance Management in Wind Turbines by Monitoring the Bearing Temperature. Advances in Intelligent Systems and Computing, 2020, , 678-687.	0.5	2
9	Maintenance management based on Machine Learning and nonlinear features in wind turbines. Renewable Energy, 2020, 146, 316-328.	4.3	74
10	A review of failure modes, condition monitoring and fault diagnosis methods for large-scale wind turbine bearings. Measurement: Journal of the International Measurement Confederation, 2020, 149, 107002.	2.5	280
11	Naturally Damaged Wind Turbine Blade Bearing Fault Detection Using Novel Iterative Nonlinear Filter and Morphological Analysis. IEEE Transactions on Industrial Electronics, 2020, 67, 8713-8722.	5.2	33
12	Satellite-Aerial Integrated Computing in Disasters: User Association and Offloading Decision. , 2020, , .		24
13	Wavelet Energy Transmissibility Analysis for Wind Turbine Blades Fault Detection. , 2020, , .		1
14	Dynamic power optimization for secondary wearable biosensors in e-healthcare leveraging cognitive WBSNs with imperfect spectrum sensing. Future Generation Computer Systems, 2020, 112, 67-92.	4.9	5
15	Acoustic Emission Analysis for Wind Turbine Blade Bearing Fault Detection Using Sparse Augmented Lagrangian Algorithm. , 2020, , .		4
16	Resource allocation for energy efficient user association in user-centric ultra-dense networks integrating NOMA and beamforming. AEU - International Journal of Electronics and Communications, 2020, 124, 153270.	1.7	13
17	Fault Diagnosis of Industrial Wind Turbine Blade Bearing Using Acoustic Emission Analysis. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6630-6639.	2.4	76
18	A Survey on 5G Millimeter Wave Communications for UAV-Assisted Wireless Networks. IEEE Access, 2019, 7, 117460-117504.	2.6	221

#	ARTICLE	IF	CITATIONS
19	TCQCA "Software-Defined Transmission Control Scheme in 5G Networks from Queuing Game Perspective. Sensors, 2019, 19, 4170.	2.1	4
20	A Differential Game Model for Data Utility and Privacy-Preserving in Mobile Crowdsensing. IEEE Access, 2019, 7, 128526-128533.	2.6	8
21	Two-Stage Backward Elimination Method for Neural Networks Model Reduction. Journal of Physics: Conference Series, 2019, 1267, 012087.	0.3	0
22	Virtual Resource Allocation for Mobile Edge Computing: A Hypergraph Matching Approach. , 2019, , .		4
23	Hypergraph-Based SCMA Codebook Allocation in User-Centric Ultra-Dense Networks with Machine Learning. , 2019, , .		2
24	Sparse augmented Lagrangian algorithm for system identification. Neurocomputing, 2019, 330, 403-411.	3.5	10
25	A cross-layer optimization framework for congestion and power control in cognitive radio ad hoc networks under predictable contact. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	5
26	Wavelet Energy Transmissibility Function and Its Application to Wind Turbine Bearing Condition Monitoring. IEEE Transactions on Sustainable Energy, 2018, 9, 1833-1843.	5.9	25
27	Energy-Aware Dynamic Resource Allocation in UAV Assisted Mobile Edge Computing Over Social Internet of Vehicles. IEEE Access, 2018, 6, 56700-56715.	2.6	107
28	MAC <sup>2</sup> : Enabling multicasting and congestion control with multichannel transmission for intelligent vehicle terminal in Internet of Vehicles. International Journal of Distributed Sensor Networks, 2018, 14, 155014771879358.	1.3	10
29	Stability orthogonal regression for system identification. Systems and Control Letters, 2018, 117, 30-36.	1.3	4
30	Bayesian augmented Lagrangian algorithm for system identification. Systems and Control Letters, 2018, 120, 9-16.	1.3	13
31	On achieving optimal congestion control for elastic traffic in cognitive radio ad hoc networks under predictable contact. , 2017, , .		0
32	Orthogonal Matching Pursuit for Multilayer Perceptions Neural Networks Model Reduction. Communications in Computer and Information Science, 2017, , 53-61.	0.4	1
33	Artificial Intelligence for Concentrated Solar Plant Maintenance Management. Advances in Intelligent Systems and Computing, 2017, , 125-134.	0.5	17
34	Optimal Power Control in Wireless Powered Sensor Networks: A Dynamic Game-Based Approach. Sensors, 2017, 17, 547.	2.1	14
35	Achieving Congestion Mitigation Using Distributed Power Control for Spectrum Sensor Nodes in Sensor Network-Aided Cognitive Radio Ad Hoc Networks. Sensors, 2017, 17, 2132.	2.1	1
36	Analytical model for predictable contact in intermittently connected cognitive radio ad hoc networks. International Journal of Distributed Sensor Networks, 2016, 12, 155014771665942.	1.3	3

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37	Generalized Transmissibility Damage Indicator With Application to Wind Turbine Component Condition Monitoring. IEEE Transactions on Industrial Electronics, 2016, 63, 6347-6359.	5.2	15
38	Analysis of the dynamic characteristics of a slant-cracked cantilever beam. Mechanical Systems and Signal Processing, 2016, 75, 261-279.	4.4	45
39	Dynamic Rate Allocation for Multipath Routing under Path Stability and Prioritized Traffic Session Constraints for Cognitive Radio Ad Hoc Networks with Selfish Secondary Users. Journal of Communications, 2016, , .	1.3	2
40	Hypergraph Modeling Scheme with Joint Contact Schedule and Prioritized Data Traffic Constraint for Opportunistic Internet of Vehicles. , 2015, , .		0
41	Two-Stage Orthogonal Least Squares Methods for Neural Network Construction. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1608-1621.	7.2	27
42	Transmissibility damage indicator for wind turbine blade condition monitoring. , 2015, , .		1
43	Forward and backward least angle regression for nonlinear system identification. Automatica, 2015, 53, 94-102.	3.0	31
44	Material identification of loose particles in sealed electronic devices using PCA and SVM. Neurocomputing, 2015, 148, 222-228.	3.5	23
45	A trusted routing protocol based on GeoDTN+Nav in VANET. China Communications, 2014, 11, 166-174.	2.0	12
46	The Impact of Storage Capacity Usage and Predictable Contact Schedule on Dynamic Routing for Opportunistic Deep Space Information Networks. Wireless Personal Communications, 2014, 77, 1377-1395.	1.8	1
47	A New Discrete-Continuous Algorithm for Radial Basis Function Networks Construction. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1785-1798.	7.2	29
48	A New Extension of Newton Algorithm for Nonlinear System Modelling Using RBF Neural Networks. IEEE Transactions on Automatic Control, 2013, 58, 2929-2933.	3.6	26
49	Hop-by-Hop Dynamic Congestion Control with Contact Interruption Probability for Intermittently Connected Deep Space Information Networks. Wireless Personal Communications, 2013, 71, 399-424.	1.8	4
50	Noncooperative Dynamic Routing with Bandwidth Constraint in Intermittently Connected Deep Space Information Networks Under Scheduled Contacts. Wireless Personal Communications, 2013, 68, 1255-1285.	1.8	12
51	Joint cross-layer optimised routing and dynamic power allocation in deep space information networks under predictable contacts. IET Communications, 2013, 7, 417-429.	1.5	11
52	A novel LOO based two-stage method for automatic model identification of a class of nonlinear dynamic systems. , 2013, , .		3
53	Loose Particle Classification Using a New Wavelet Fisher Discriminant Method. Lecture Notes in Computer Science, 2013, , 582-593.	1.0	3
54	Detection and material identification of loose particles inside the aerospace power supply via stochastic resonance and LVQ network. Transactions of the Institute of Measurement and Control, 2012, 34, 947-955.	1.1	9

#	ARTICLE	IF	CITATIONS
55	An improved conjugate gradient algorithm for radial basis function (RBF) networks modelling. , 2012, , .		6
56	A Novel Two-Stage Classical Gram-Schmidt Algorithm for Wavelet Network Construction*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 644-649.	0.4	3
57	3-D modeling and analysis of meander-line-coil surface wave EMATs. Mechatronics, 2012, 22, 653-660.	2.0	45
58	On-Demand QoS Multicast Routing for Triple-Layered LEO/HEO/GEO Satellite IP Networks. Journal of Communications, 2011, 6, .	1.3	4
59	QoS-aware multicast routing protocol for triple-layered LEO/HEO/GEO satellite IP networks. , 2010, , .		4
60	Dynamic Uplink Power Allocation with Hierarchical Interference Bound for Multi-Cell Multi-User Cognitive Radio System. , 2010, , .		0
61	Power Control Algorithm Based on Differential Game for CR System. Dianzi Yu Xixi Xuebao/Journal of Electronics and Information Technology, 2010, 2010, 141-145.	0.1	3
62	A multicast dynamic wavelength assignment algorithm based on matching degree. Optoelectronics Letters, 2009, 5, 276-280.	0.4	2
63	A rough set comprehensive performance evaluation approach for routing protocols in cognitive radio networks. , 2009, , .		2
64	Information Fusion of Ultrasonic Sensor Based on RBF Network in Obstacle-Avoidance System of Mobile Robot. Applied Mechanics and Materials, 0, 20-23, 791-795.	0.2	0
65	Application of Double Cross Limit Control on the Combustion Control System of Heating Furnaces. Applied Mechanics and Materials, 0, 433-435, 1049-1053.	0.2	1