

# Wu Deng

## 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.

42  
papers

2,771  
citations

21  
h-index

46  
g-index

46  
ext. papers

3,438  
ext. citations

3.8  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
42	Compound Fault Diagnosis Using Optimized MCKD and Sparse Representation for Rolling Bearings. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 71, 1-9	5.2	19
41	Fractional-Order Controller for Course-Keeping of Underactuated Surface Vessels Based on Frequency Domain Specification and Improved Particle Swarm Optimization Algorithm. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3139	2.6	26
40	A Novel Image Recognition Method Based on DenseNet and DPRN. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4232	2.6	1
39	Fractional-Order PID Controller Using Adaptive Neural Fuzzy Model for Course Control of Underactuated Ships. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 5604	2.6	
38	A Novel Advancing Signal Processing Method Based on Coupled Multi-Stable Stochastic Resonance for Fault Detection. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5385	2.6	60
37	Differential evolution algorithm with wavelet basis function and optimal mutation strategy for complex optimization problem. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 100, 106724	7.5	113
36	MPPCEDE: Multi-population parallel co-evolutionary differential evolution for parameter optimization. <i>Energy Conversion and Management</i> , <b>2021</b> , 228, 113661	10.6	62
35	A Novel Fault Feature Extraction Method for Bearing Rolling Elements Using Optimized Signal Processing Method. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9095	2.6	2
34	Feature Extraction for Data-Driven Remaining Useful Life Prediction of Rolling Bearings. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-10	5.2	32
33	Fault Diagnosis Using Cascaded Adaptive Second-Order Tristable Stochastic Resonance and Empirical Mode Decomposition. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11480	2.6	5
32	An Improved Quantum-Inspired Differential Evolution Algorithm for Deep Belief Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 7319-7327	5.2	228
31	Semi-Supervised Broad Learning System Based on Manifold Regularization and Broad Network. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 983-994	3.9	115
30	A Novel Route Planning Method of Fixed-Wing Unmanned Aerial Vehicle Based on Improved QPSO. <i>IEEE Access</i> , <b>2020</b> , 8, 65071-65084	3.5	3
29	An Enhanced MSIQDE Algorithm With Novel Multiple Strategies for Global Optimization Problems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-10	7.3	142
28	Performance Prediction Using High-Order Differential Mathematical Morphology Gradient Spectrum Entropy and Extreme Learning Machine. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 4165-4172	5.2	102
27	A Novel Broad Learning Model-Based Semi-Supervised Image Classification Method. <i>IEEE Access</i> , <b>2020</b> , 8, 116756-116765	3.5	5
26	A Novel Gate Resource Allocation Method Using Improved PSO-Based QEA. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-9	6.1	151

25	. <i>IEEE Access</i> , <b>2019</b> , 7, 99263-99272	3.5	116
24	An Infection Graph Model for Reasoning of Multiple Faults in Software. <i>IEEE Access</i> , <b>2019</b> , 7, 77116-77133	3.5	1
23	An Improved Ant Colony Optimization Algorithm Based on Hybrid Strategies for Scheduling Problem. <i>IEEE Access</i> , <b>2019</b> , 7, 20281-20292	3.5	327
22	A novel intelligent diagnosis method using optimal LS-SVM with improved PSO algorithm. <i>Soft Computing</i> , <b>2019</b> , 23, 2445-2462	3.5	240
21	A Novel Fault Diagnosis Method Based on Integrating Empirical Wavelet Transform and Fuzzy Entropy for Motor Bearing. <i>IEEE Access</i> , <b>2018</b> , 6, 35042-35056	3.5	177
20	Study on an improved adaptive PSO algorithm for solving multi-objective gate assignment. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 59, 288-302	7.5	281
19	A Fault Feature Extraction Method for Motor Bearing and Transmission Analysis. <i>Symmetry</i> , <b>2017</b> , 9, 60	2.7	7
18	A New Feature Extraction Method Based on EEMD and Multi-Scale Fuzzy Entropy for Motor Bearing. <i>Entropy</i> , <b>2017</b> , 19, 14	2.8	150
17	Research on a vibration signal analysis method for motor bearing. <i>Optik</i> , <b>2016</b> , 127, 10014-10023	2.5	4
16	An improved self-adaptive differential evolution algorithm and its application. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2013</b> , 128, 66-76	3.8	35
15	Fatigue behaviors prediction method of welded joints based on soft computing methods. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 559, 574-582	5.3	5
14	An efficient tabu search algorithm for the distributed permutation flowshop scheduling problem. <i>International Journal of Production Research</i> , <b>2013</b> , 51, 641-651	7.8	130
13	A novel fault analysis and diagnosis method based on combining computational intelligence methods. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , <b>2013</b> , 227, 198-210	1.5	3
12	A novel two-stage hybrid swarm intelligence optimization algorithm and application. <i>Soft Computing</i> , <b>2012</b> , 16, 1707-1722	3.5	116
11	Research on application information system integration platform in medicine manufacturing enterprise. <i>Journal of Medical Systems</i> , <b>2012</b> , 36, 2289-95	5.1	6
10	A novel parallel hybrid intelligence optimization algorithm for a function approximation problem. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 63, 325-336	2.7	39
9	An efficient fusion approach to rule extraction based on rough set theory and particle swarm optimization and its application. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2012</b> , 226, 904-913	1	1
8	A novel hybrid optimization algorithm of computational intelligence techniques for highway passenger volume prediction. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 4198-4205	7.8	31

7	Knowledge Model Building about a Motor Speed Regulation Fuzzy Control System. <i>Lecture Notes in Electrical Engineering</i> , <b>2011</b> , 299-306	0.2	
6	Flexible Application System Integration Based on Agent-Enabled SOA in the Industrial Field <b>2009</b> ,		1
5	A Model of Distributed Interprocess Communication System <b>2009</b> ,		2
4	Study on EAI Based on Web Services and SOA <b>2008</b> ,		7
3	Research on Case Representation and Case Retrieval Algorithm for Stamping Die <b>2008</b> ,		1
2	Dynamic Information Platform for Intelligent Transportation System <b>2007</b> , 302		1
1	Bearing fault diagnosis using transfer learning and optimized deep belief network. <i>Measurement Science and Technology</i> ,	2	13