

# Xiaoyuan Zhang

## List of Publications by Citations

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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.

15  
papers

854  
citations

10  
h-index

16  
g-index

16  
ext. papers

1,023  
ext. citations

5  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
15	A novel bearing fault diagnosis model integrated permutation entropy, ensemble empirical mode decomposition and optimized SVM. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2015</b> , 69, 164-179	4.6	357
14	Multi-fault diagnosis for rolling element bearings based on ensemble empirical mode decomposition and optimized support vector machines. <i>Mechanical Systems and Signal Processing</i> , <b>2013</b> , 41, 127-140	7.8	197
13	Compound feature selection and parameter optimization of ELM for fault diagnosis of rolling element bearings. <i>ISA Transactions</i> , <b>2016</b> , 65, 556-566	5.5	73
12	Support vector machine with parameter optimization by a novel hybrid method and its application to fault diagnosis. <i>Neurocomputing</i> , <b>2015</b> , 149, 641-651	5.4	62
11	Vibrant fault diagnosis for hydroelectric generator units with a new combination of rough sets and support vector machine. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 2621-2628	7.8	43
10	Blind Parameter Identification of MAR Model and Mutation Hybrid GWO-SCA Optimized SVM for Fault Diagnosis of Rotating Machinery. <i>Complexity</i> , <b>2019</b> , 2019, 1-17	1.6	37
9	Ensemble extreme learning machines for compound-fault diagnosis of rotating machinery. <i>Knowledge-Based Systems</i> , <b>2020</b> , 188, 105012	7.3	28
8	Multi-class support vector machine optimized by inter-cluster distance and self-adaptive deferential evolution. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 218, 4973-4987	2.7	21
7	A novel fault diagnosis procedure based on improved symplectic geometry mode decomposition and optimized SVM. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 173, 108644	4.6	16
6	Ensuring profitability of retailers via Shapley Value based demand response. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 108, 72-85	5.1	14
5	Study on novel signal processing and simultaneous-fault diagnostic method for wind turbine. <i>Transactions of the Institute of Measurement and Control</i> , <b>2019</b> , 41, 4100-4113	1.8	2
4	Support vector machine with parameter optimization by bare bones differential evolution <b>2011</b> ,		2
3	Kernel K-means clustering optimized by bare bones differential evolution algorithm <b>2014</b> ,		1
2	Vibration fault diagnosis of hydro-turbine generating unit based on rough 1-v-1 multiclass support vector machine <b>2010</b> ,		1
1	Health status assessment and prediction for pumped storage units using a novel health degradation index. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 171, 108910	7.8	0