

# Yongbo Li

## List of Publications by Year in descending order

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60  
papers

3,009  
citations

201674

27  
h-index

223800

46  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1960  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new rolling bearing fault diagnosis method based on multiscale permutation entropy and improved support vector machine based binary tree. Measurement: Journal of the International Measurement Confederation, 2016, 77, 80-94.	5.0	243
2	The Entropy Algorithm and Its Variants in the Fault Diagnosis of Rotating Machinery: A Review. IEEE Access, 2018, 6, 66723-66741.	4.2	207
3	A fault diagnosis scheme for planetary gearboxes using modified multi-scale symbolic dynamic entropy and mRMR feature selection. Mechanical Systems and Signal Processing, 2017, 91, 295-312.	8.0	205
4	Application of Bandwidth EMD and Adaptive Multiscale Morphology Analysis for Incipient Fault Diagnosis of Rolling Bearings. IEEE Transactions on Industrial Electronics, 2017, 64, 6506-6517.	7.9	190
5	A fault diagnosis scheme for rolling bearing based on local mean decomposition and improved multiscale fuzzy entropy. Journal of Sound and Vibration, 2016, 360, 277-299.	3.9	185
6	A fault diagnosis scheme for planetary gearboxes using adaptive multi-scale morphology filter and modified hierarchical permutation entropy. Mechanical Systems and Signal Processing, 2018, 105, 319-337.	8.0	155
7	Early fault diagnosis of rolling bearings based on hierarchical symbol dynamic entropy and binary tree support vector machine. Journal of Sound and Vibration, 2018, 428, 72-86.	3.9	139
8	Cross-Domain Fault Diagnosis Using Knowledge Transfer Strategy: A Review. IEEE Access, 2019, 7, 129260-129290.	4.2	124
9	Rotating machinery fault diagnosis based on convolutional neural network and infrared thermal imaging. Chinese Journal of Aeronautics, 2020, 33, 427-438.	5.3	114
10	An improvement EMD method based on the optimized rational Hermite interpolation approach and its application to gear fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2015, 63, 330-345.	5.0	108
11	Early fault feature extraction of rolling bearing based on ICD and tunable Q-factor wavelet transform. Mechanical Systems and Signal Processing, 2017, 86, 204-223.	8.0	103
12	Entropy Based Fault Classification Using the Case Western Reserve University Data: A Benchmark Study. IEEE Transactions on Reliability, 2020, 69, 754-767.	4.6	102
13	A fault diagnosis method for planetary gearboxes under non-stationary working conditions using improved Vold-Kalman filter and multi-scale sample entropy. Journal of Sound and Vibration, 2019, 439, 271-286.	3.9	93
14	A fault diagnosis scheme for rotating machinery using hierarchical symbolic analysis and convolutional neural network. ISA Transactions, 2019, 91, 235-252.	5.7	85
15	Hierarchical fuzzy entropy and improved support vector machine based binary tree approach for rolling bearing fault diagnosis. Mechanism and Machine Theory, 2016, 98, 114-132.	4.5	78
16	Multiscale Diversity Entropy: A Novel Dynamical Measure for Fault Diagnosis of Rotating Machinery. IEEE Transactions on Industrial Informatics, 2021, 17, 5419-5429.	11.3	70
17	Multiscale symbolic fuzzy entropy: An entropy denoising method for weak feature extraction of rotating machinery. Mechanical Systems and Signal Processing, 2022, 162, 108052.	8.0	66
18	Health condition identification of planetary gearboxes based on variational mode decomposition and generalized composite multi-scale symbolic dynamic entropy. ISA Transactions, 2018, 81, 329-341.	5.7	60

#	ARTICLE	IF	CITATIONS
19	Health Condition Monitoring and Early Fault Diagnosis of Bearings Using SDF and Intrinsic Characteristic-Scale Decomposition. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2174-2189.	4.7	55
20	Early Fault Diagnosis of Rotating Machinery by Combining Differential Rational Spline-Based LMD and K�L Divergence. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3077-3090.	4.7	46
21	Review of local mean decomposition and its application in fault diagnosis of rotating machinery. Journal of Systems Engineering and Electronics, 2019, 30, 799.	2.2	41
22	Rotating machine fault diagnosis based on intrinsic characteristic-scale decomposition. Mechanism and Machine Theory, 2015, 94, 9-27.	4.5	40
23	A new rotating machinery fault diagnosis method based on improved local mean decomposition. , 2015, 46, 201-214.		40
24	Intelligent fault identification of rotary machinery using refined composite multi-scale Lempel�Ziv complexity. Journal of Manufacturing Systems, 2021, 61, 725-735.	13.9	37
25	An Evaluation of Gearbox Condition Monitoring Using Infrared Thermal Images Applied with Convolutional Neural Networks. Sensors, 2019, 19, 2205.	3.8	34
26	Multiscale Symbolic Lempel�Ziv: An Effective Feature Extraction Approach for Fault Diagnosis of Railway Vehicle Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 199-208.	11.3	34
27	Multiscale Symbolic Diversity Entropy: A Novel Measurement Approach for Time-Series Analysis and Its Application in Fault Diagnosis of Planetary Gearboxes. IEEE Transactions on Industrial Informatics, 2022, 18, 1121-1131.	11.3	30
28	Hierarchical diversity entropy for the early fault diagnosis of rolling bearing. Nonlinear Dynamics, 2022, 108, 1447-1462.	5.2	30
29	Fault Diagnosis of Rolling Bearing Under Speed Fluctuation Condition Based on Vold-Kalman Filter and RCMFE. IEEE Access, 2018, 6, 37349-37360.	4.2	29
30	Interactive dual adversarial neural network framework: An open-set domain adaptation intelligent fault diagnosis method of rotating machinery. Measurement: Journal of the International Measurement Confederation, 2022, 195, 111125.	5.0	27
31	A method based on refined composite multi-scale symbolic dynamic entropy and ISVM-BT for rotating machinery fault diagnosis. Neurocomputing, 2018, 315, 246-260.	5.9	24
32	Variational Embedding Multiscale Diversity Entropy for Fault Diagnosis of Large-Scale Machinery. IEEE Transactions on Industrial Electronics, 2022, 69, 3109-3119.	7.9	24
33	Industrial gearbox fault diagnosis based on multi-scale convolutional neural networks and thermal imaging. ISA Transactions, 2022, 129, 309-320.	5.7	20
34	The Optimized Multi-Scale Permutation Entropy and Its Application in Compound Fault Diagnosis of Rotating Machinery. Entropy, 2019, 21, 170.	2.2	19
35	Fusion Domain-Adaptation CNN Driven by Images and Vibration Signals for Fault Diagnosis of Gearbox Cross-Working Conditions. Entropy, 2022, 24, 119.	2.2	19
36	An integrated method based on refined composite multivariate hierarchical permutation entropy and random forest and its application in rotating machinery. JVC/Journal of Vibration and Control, 2020, 26, 146-160.	2.6	17

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37	Gearbox fault diagnosis based on local mean decomposition, permutation entropy and extreme learning machine. <i>Journal of Vibroengineering</i> , 2016, 18, 1459-1473.	1.0	16
38	A Novel Cross-Domain Intelligent Fault Diagnosis Method Based on Entropy Features and Transfer Learning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-14.	4.7	15
39	Intelligent Fault Diagnosis of Rotating Machinery Using Hierarchical Lempel-Ziv Complexity. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4221.	2.5	13
40	A New Intelligent Fault Diagnosis Method of Rotating Machinery under Varying-Speed Conditions Using Infrared Thermography. <i>Complexity</i> , 2019, 2019, 1-12.	1.6	12
41	A novel strategy using optimized MOMED and B-spline based envelope-derivative operator for compound fault detection of the rolling bearing. <i>Structural Health Monitoring</i> , 2022, 21, 2569-2586.	7.5	10
42	Continuous Health Monitoring of Bearing by Oscillatory Sparsity Indices Under Non Stationary Time Varying Speed Condition. <i>IEEE Sensors Journal</i> , 2022, 22, 4452-4462.	4.7	9
43	An improved EMD method for fault diagnosis of rolling bearing. , 2016, , .		6
44	A Hybrid Approach for Weak Fault Feature Extraction of Gearbox. <i>IEEE Access</i> , 2019, 7, 16616-16625.	4.2	6
45	Cross-Domain Intelligent Fault Diagnosis Method of Rotating Machinery Using Multi-Scale Transfer Fuzzy Entropy. <i>IEEE Access</i> , 2021, 9, 95481-95492.	4.2	6
46	L&lt;inf&gt;2&lt;/inf&gt;-L&lt;inf&gt;â&tilde&lt;/inf&gt; output-feedback distributed control for multi-vehicle networks. , 2018, , .		4
47	Fault Diagnosis of Gearbox based on Convolutional Neural Network and Infrared Thermal Imaging. , 2019, , .		4
48	A fault diagnosis method of planetary gearbox under variable speed condition using Vold-Kalman filter and Laplacian score. , 2018, , .		3
49	A feature extraction method based on ICD and MSE for gearbox. <i>Journal of Vibroengineering</i> , 2016, 18, 3596-3607.	1.0	3
50	Partial Transfer Ensemble Learning Framework: A Method for Intelligent Diagnosis of Rotating Machinery Based on an Incomplete Source Domain. <i>Sensors</i> , 2022, 22, 2579.	3.8	3
51	A Novel Nonlinear Analysis Tool: Multi-scale Symbolic Sample Entropy and Its Application in Condition Monitoring of Rotary Machinery. , 2020, , .		2
52	A Fault Diagnosis Method for Rotating Machinery Under Variable Speed Condition Based on Infrared Thermography. , 2018, , .		1
53	A fusion CNN driven by images and vibration signals for fault diagnosis of gearbox. <i>Journal of Physics: Conference Series</i> , 2022, 2252, 012076.	0.4	1
54	Centrifugal Pumps Fault Diagnosis Using Multivariate Multiscale Symbolic Dynamic Entropy and Logistic Regression. , 2018, , .		0

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55	Application of Modified Morphological Pattern Spectrum and LSSVM for Fault Diagnosis of Train Wheelset Bearings. , 2018, , .		0
56	Improved Empirical AM and FM Demodulation for Mono-component Signals. , 2018, , .		0
57	Research on the rubbing fault diagnosis of rotor shafts using the double-rotor test bench. , 2021, , .		0
58	Information Theory and Its Application in Machine Condition Monitoring. Entropy, 2022, 24, 206.	2.2	0
59	Application of oscillatory time frequency manifold for extraction of rolling element bearing fault signature. Journal of Physics: Conference Series, 2022, 2252, 012039.	0.4	0
60	Refined time-shift multiscale diversity entropy: a novel feature extraction algorithm for fault diagnosis of planetary gearbox. Journal of Physics: Conference Series, 2022, 2184, 012010.	0.4	0