

# Han-Ling Mao

## List of Publications by Year in descending order

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35  
papers

349  
citations

840776

11  
h-index

888059

17  
g-index

35  
all docs

35  
docs citations

35  
times ranked

182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear output frequency response functions: A new evaluation approach and applications to railway and manufacturing systemsâ€™ condition monitoring. <i>Mechanical Systems and Signal Processing</i> , 2022, 163, 108179.	8.0	29
2	Multi-Scale Cluster-Graph Convolution Network With Multi-Channel Residual Network for Intelligent Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-12.	4.7	23
3	Experimental Study on Properties of Ultrasonic Coupling Agent with Graphene in NDT. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1236.	2.5	3
4	Cross-Domain Fault Diagnosis Based on Improved Multi-Scale Fuzzy Measure Entropy and Enhanced Joint Distribution Adaptation. <i>IEEE Sensors Journal</i> , 2022, 22, 9649-9664.	4.7	13
5	The estimation method of normalized Nonlinear Output Frequency Response Functions with only response signals under stochastic excitation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 111, 106416.	3.3	6
6	Study for Characterizing Grinding Burn of 1045 Steel Based on Nonlinear Ultrasonic Coefficients. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 9137-9150.	2.5	2
7	Parameterized Local Maximum Synchrosqueezing Transform and its Application in Engineering Vibration Signal Processing. <i>IEEE Access</i> , 2021, 9, 7732-7742.	4.2	5
8	Bearing Fault Diagnosis Method Based on Ensemble Composite Multi-Scale Dispersion Entropy and Density Peaks Clustering. <i>IEEE Access</i> , 2021, 9, 24373-24389.	4.2	10
9	Collaborative Double Difference Sparse Regularization and Convex Optimization for Bearing Fault Detection. <i>IEEE Access</i> , 2021, 9, 101030-101041.	4.2	1
10	Cross-domain fault diagnosis of rolling bearing using similar features-based transfer approach. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 172, 108900.	5.0	13
11	Review about the Application of Fractal Theory in the Research of Packaging Materials. <i>Materials</i> , 2021, 14, 860.	2.9	19
12	Feasibility study for online assessment on fatigue failure of aluminum cable steel reinforced conductors based on DC resistance measurement method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1808.	3.4	1
13	Improved time domain synchronous averaging based on the moving interpolation and kurtosis criterion searching. <i>Measurement Science and Technology</i> , 2021, 32, 105010.	2.6	2
14	Localization of impact on box mechanical structure by the method of modal parameters extraction combined with K-means clustering. <i>Inverse Problems in Science and Engineering</i> , 2021, 29, 2561-2578.	1.2	0
15	The Prediction Method on the Early Failure of Hydropower Units Based on Gaussian Process Regression Driven by Monitoring Data. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 153.	2.5	9
16	Bearing Fault Diagnosis Using Modified Multi-scale Sample Entropy and One-against-rest Feature Selection. , 2021, , .		2
17	Research on NOFRF Entropy-Based Detection Method for Early Damage of Pillar Porcelain Insulator. <i>Shock and Vibration</i> , 2020, 2020, 1-11.	0.6	3
18	Feasibility study on wheelset fatigue damage with NOFRFs-KL divergence detection method in SIMO. <i>Journal of Sound and Vibration</i> , 2020, 483, 115447.	3.9	17

#	ARTICLE	IF	CITATIONS
19	Nonlinear ultrasonic characterization of carburized case depth. NDT and E International, 2020, 112, 102244.	3.7	14
20	An Online Method of Measuring DC Resistance of Transmission Lines Based on Simplified Distributed Parameter Line Model. , 2020, , .		0
21	Sensitivity of important parameters in a three-dimensional simulation of the milling process of sugar cane with modified Drucker-Prager Cap model based on evolutionary material properties. Journal of Food Processing and Preservation, 2019, 43, e14176.	2.0	5
22	Study on elastoplastic coupling mechanics model of the milled mixture of sugar cane. Food Science and Technology, 2019, 39, 270-277.	1.7	6
23	Fatigue damage detection and location of metal materials by electrical impedance tomography. Results in Physics, 2019, 15, 102664.	4.1	9
24	Fatigue crack detection and fatigue damage imaging using the non-collinear transverse wave mixing technique. Nondestructive Testing and Evaluation, 2019, 34, 1-12.	2.1	2
25	Location and Length Measurement of Invisible Fatigue Crack in Metal Components Using Wave Mixing Methods. Journal of Testing and Evaluation, 2019, 47, 3622-3633.	0.7	0
26	Stress evaluation of metallic material under steady state based on nonlinear critically refracted longitudinal wave. Results in Physics, 2018, 9, 665-672.	4.1	13
27	Semantic hyper-graph-based knowledge representation architecture for complex product development. Computers in Industry, 2018, 100, 43-56.	9.9	34
28	Experimental Study on the Detection of Damage in Large-Scale Used Parts Using SIMO NOFRFs. , 2018, , .		2
29	The construction and comparison of damage detection index based on the nonlinear output frequency response function and experimental analysis. Journal of Sound and Vibration, 2018, 427, 82-94.	3.9	30
30	The fatigue damage evaluation of gear in sugarcane presser using higher order ultrasonic nonlinear coefficients. Results in Physics, 2018, 10, 601-606.	4.1	9
31	Product lifecycle-oriented knowledge services: Status review, framework, and technology trends. Concurrent Engineering Research and Applications, 2017, 25, 81-92.	3.2	8
32	Study of cumulative fatigue damage detection for used parts with nonlinear output frequency response functions based on NARMAX modelling. Journal of Sound and Vibration, 2017, 411, 75-87.	3.9	37
33	Detection the nonlinear ultrasonic signals based on modified Duffing equations. Results in Physics, 2017, 7, 3243-3250.	4.1	10
34	Fatigue Life Prediction of Metallic Materials Based on the Combined Nonlinear Ultrasonic Parameter. Journal of Materials Engineering and Performance, 2017, 26, 3648-3656.	2.5	7
35	Feasibility of Residual Stress Nondestructive Estimation Using the Nonlinear Property of Critical Refraction Longitudinal Wave. Advances in Materials Science and Engineering, 2017, 2017, 1-11.	1.8	5