

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	Study of cumulative fatigue damage detection for used parts with nonlinear output frequency response functions based on NARMAX modelling. <i>Journal of Sound and Vibration</i> , 2017, 411, 75-87.	3.9	37
2	Semantic hyper-graph-based knowledge representation architecture for complex product development. <i>Computers in Industry</i> , 2018, 100, 43-56.	9.9	34
3	The construction and comparison of damage detection index based on the nonlinear output frequency response function and experimental analysis. <i>Journal of Sound and Vibration</i> , 2018, 427, 82-94.	3.9	30
4	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
5	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
6	Review about the Application of Fractal Theory in the Research of Packaging Materials. <i>Materials</i> , 2021, 14, 860.	2.9	19
7	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
8	Nonlinear ultrasonic characterization of carburized case depth. <i>NDT and E International</i> , 2020, 112, 102244.	3.7	14
9	Stress evaluation of metallic material under steady state based on nonlinear critically refracted longitudinal wave. <i>Results in Physics</i> , 2018, 9, 665-672.	4.1	13
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	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
12	Detection the nonlinear ultrasonic signals based on modified Duffing equations. <i>Results in Physics</i> , 2017, 7, 3243-3250.	4.1	10
13	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
14	The fatigue damage evaluation of gear in sugarcane presser using higher order ultrasonic nonlinear coefficients. <i>Results in Physics</i> , 2018, 10, 601-606.	4.1	9
15	Fatigue damage detection and location of metal materials by electrical impedance tomography. <i>Results in Physics</i> , 2019, 15, 102664.	4.1	9
16	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
17	Product lifecycleâ€‘oriented knowledge services: Status review, framework, and technology trends. <i>Concurrent Engineering Research and Applications</i> , 2017, 25, 81-92.	3.2	8
18	Fatigue Life Prediction of Metallic Materials Based on the Combined Nonlinear Ultrasonic Parameter. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 3648-3656.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Study on elastoplastic coupling mechanics model of the milled mixture of sugar cane. Food Science and Technology, 2019, 39, 270-277.	1.7	6
20	The estimation method of normalized Nonlinear Output Frequency Response Functions with only response signals under stochastic excitation. Communications in Nonlinear Science and Numerical Simulation, 2022, 111, 106416.	3.3	6
21	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
22	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
23	Parameterized Local Maximum Synchrosqueezing Transform and its Application in Engineering Vibration Signal Processing. IEEE Access, 2021, 9, 7732-7742.	4.2	5
24	Research on NOFRF Entropy-Based Detection Method for Early Damage of Pillar Porcelain Insulator. Shock and Vibration, 2020, 2020, 1-11.	0.6	3
25	Experimental Study on Properties of Ultrasonic Coupling Agent with Graphene in NDT. Applied Sciences (Switzerland), 2022, 12, 1236.	2.5	3
26	Experimental Study on the Detection of Damage in Large-Scale Used Parts Using SIMO NOFRFs. , 2018, , .		2
27	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
28	Improved time domain synchronous averaging based on the moving interpolation and kurtosis criterion searching. Measurement Science and Technology, 2021, 32, 105010.	2.6	2
29	Bearing Fault Diagnosis Using Modified Multi-scale Sample Entropy and One-against-rest Feature Selection. , 2021, , .		2
30	Study for Characterizing Grinding Burn of 1045 Steel Based on Nonlinear Ultrasonic Coefficients. Journal of Materials Engineering and Performance, 2022, 31, 9137-9150.	2.5	2
31	Collaborative Double Difference Sparse Regularization and Convex Optimization for Bearing Fault Detection. IEEE Access, 2021, 9, 101030-101041.	4.2	1
32	Feasibility study for online assessment on fatigue failure of aluminum cable steel reinforced conductors based on DC resistance measurement method. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1808.	3.4	1
33	Localization of impact on box mechanical structure by the method of modal parameters extraction combined with K-means clustering. Inverse Problems in Science and Engineering, 2021, 29, 2561-2578.	1.2	0
34	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
35	An Online Method of Measuring DC Resistance of Transmission Lines Based on Simplified Distributed Parameter Line Model. , 2020, , .		0