

Yang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

344
citations

840776

11
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

170
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling multistability in a vibro-impact capsule system. <i>Nonlinear Dynamics</i> , 2017, 88, 1289-1304.	5.2	42
2	Weighted contribution rate of nonlinear output frequency response functions and its application to rotor system fault diagnosis. <i>Journal of Sound and Vibration</i> , 2019, 460, 114882.	3.9	32
3	Feature extraction method based on NOFRFs and its application in faulty rotor system with slight misalignment. <i>Nonlinear Dynamics</i> , 2020, 99, 1763-1777.	5.2	31
4	Research on thermal resistance network modeling of motorized spindle based on the influence of various fractal parameters. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104806.	5.6	23
5	Improved thermal resistance network model of motorized spindle system considering temperature variation of cooling system. <i>Advances in Manufacturing</i> , 2018, 6, 384-400.	6.1	21
6	Research on the solution method for thermal contact conductance between circular-arc contact surfaces based on fractal theory. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118740.	4.8	21
7	Acoustic-vibration analysis of the gear-bearing-housing coupled system. <i>Applied Acoustics</i> , 2021, 178, 108024.	3.3	21
8	Application of the improved NOFRFs weighted contribution rate based on KL divergence to rotor rub-impact. <i>Nonlinear Dynamics</i> , 2021, 104, 3937-3954.	5.2	20
9	An improved NOFRFs-based fault feature extraction method and its application to quantitative diagnosis in rotor rub-impact. <i>Journal of Sound and Vibration</i> , 2021, 513, 116406.	3.9	17
10	Structural vibrations and acoustic radiation of blade-“shafting”-shell coupled system. <i>Journal of Sound and Vibration</i> , 2019, 463, 114961.	3.9	16
11	Analysis of nonlinear vibrations and health assessment of a bearing-rotor with rub-impact based on a data-driven approach. <i>Journal of Sound and Vibration</i> , 2022, 534, 117068.	3.9	15
12	Analysis and control of the dynamical response of a higher order drifting oscillator. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20170500.	2.1	11
13	A rotor fault diagnosis method based on BP-Adaboost weighted by non-fuzzy solution coefficients. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 196, 111280.	5.0	11
14	Combination algorithm for cracked rotor fault diagnosis based on NOFRFs and HHR. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 1585-1593.	1.5	10
15	Research on Automatic Balance Control of Active Magnetic Bearing-Rigid Rotor System. <i>Shock and Vibration</i> , 2019, 2019, 1-13.	0.6	9
16	Dynamic Modelling Considering Nonlinear Factors of Coupled Spur Gear System and Its Experimental Research. <i>IEEE Access</i> , 2020, 8, 84971-84980.	4.2	9
17	Response Characteristics of Looseness-Rubbing Coupling Fault in Rotor-Sliding Bearing System. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-10.	1.1	8
18	Online Rotor Systems Condition Monitoring Using Nonlinear Output Frequency Response Functions Under Harmonic Excitations. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 6798-6808.	11.3	8

#	ARTICLE	IF	CITATIONS
19	The Improved WNOFRFs Feature Extraction Method and Its Application to Quantitative Diagnosis for Cracked Rotor Systems. <i>Sensors</i> , 2022, 22, 1936.	3.8	6
20	Study on the Dynamic Problems of Double-Disk Rotor System Supported by Deep Groove Ball Bearing. <i>Shock and Vibration</i> , 2019, 2019, 1-12.	0.6	4
21	Effects of Substrate Roughness on Microstructure and Fatigue Behavior of Plasma Electrolytic Oxidation-Coated Ti-6Al-4V Alloy. <i>Materials</i> , 2022, 15, 4256.	2.9	4
22	Effect of temperature on milling stability of thin-walled parts. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2023, 237, 414-423.	2.4	3
23	Research on Fault Feature Extraction Method Based on NOFRFs and Its Application in Rotor Faults. <i>Shock and Vibration</i> , 2019, 2019, 1-11.	0.6	2
24	Diagnosis Methodology of Joint Faults in Single-Stage Actuation Ring-Vanes System Based on FRF Characterization. , 2021, , .		0