

# Yang Liu

## List of Publications by Year in descending order

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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	Effect of temperature on milling stability of thin-walled parts. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2023, 237, 414-423.	2.4	3
2	Online Rotor Systems Condition Monitoring Using Nonlinear Output Frequency Response Functions Under Harmonic Excitations. IEEE Transactions on Industrial Informatics, 2022, 18, 6798-6808.	11.3	8
3	The Improved WNOFRFs Feature Extraction Method and Its Application to Quantitative Diagnosis for Cracked Rotor Systems. Sensors, 2022, 22, 1936.	3.8	6
4	A rotor fault diagnosis method based on BP-Adaboost weighted by non-fuzzy solution coefficients. Measurement: Journal of the International Measurement Confederation, 2022, 196, 111280.	5.0	11
5	Analysis of nonlinear vibrations and health assessment of a bearing-rotor with rub-impact based on a data-driven approach. Journal of Sound and Vibration, 2022, 534, 117068.	3.9	15
6	Effects of Substrate Roughness on Microstructure and Fatigue Behavior of Plasma Electrolytic Oxidation-Coated Ti-6Al-4V Alloy. Materials, 2022, 15, 4256.	2.9	4
7	Application of the improved NOFRFs weighted contribution rate based on KL divergence to rotor rub-impact. Nonlinear Dynamics, 2021, 104, 3937-3954.	5.2	20
8	Acoustic-vibration analysis of the gear-bearing-housing coupled system. Applied Acoustics, 2021, 178, 108024.	3.3	21
9	An improved NOFRFs-based fault feature extraction method and its application to quantitative diagnosis in rotor rub-impact. Journal of Sound and Vibration, 2021, 513, 116406.	3.9	17
10	Diagnosis Methodology of Joint Faults in Single-Stage Actuation Ring-Vanes System Based on FRF Characterization. , 2021, , .		0
11	Feature extraction method based on NOFRFs and its application in faulty rotor system with slight misalignment. Nonlinear Dynamics, 2020, 99, 1763-1777.	5.2	31
12	Research on thermal resistance network modeling of motorized spindle based on the influence of various fractal parameters. International Communications in Heat and Mass Transfer, 2020, 117, 104806.	5.6	23
13	Dynamic Modelling Considering Nonlinear Factors of Coupled Spur Gear System and Its Experimental Research. IEEE Access, 2020, 8, 84971-84980.	4.2	9
14	Weighted contribution rate of nonlinear output frequency response functions and its application to rotor system fault diagnosis. Journal of Sound and Vibration, 2019, 460, 114882.	3.9	32
15	Research on Fault Feature Extraction Method Based on NOFRFs and Its Application in Rotor Faults. Shock and Vibration, 2019, 2019, 1-11.	0.6	2
16	Structural vibrations and acoustic radiation of blade-shafting-shell coupled system. Journal of Sound and Vibration, 2019, 463, 114961.	3.9	16
17	Research on the solution method for thermal contact conductance between circular-arc contact surfaces based on fractal theory. International Journal of Heat and Mass Transfer, 2019, 145, 118740.	4.8	21
18	Research on Automatic Balance Control of Active Magnetic Bearing-Rigid Rotor System. Shock and Vibration, 2019, 2019, 1-13.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Study on the Dynamic Problems of Double-Disk Rotor System Supported by Deep Groove Ball Bearing. Shock and Vibration, 2019, 2019, 1-12.	0.6	4
20	Combination algorithm for cracked rotor fault diagnosis based on NOFRFs and HHR. Journal of Mechanical Science and Technology, 2019, 33, 1585-1593.	1.5	10
21	Analysis and control of the dynamical response of a higher order drifting oscillator. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170500.	2.1	11
22	Improved thermal resistance network model of motorized spindle system considering temperature variation of cooling system. Advances in Manufacturing, 2018, 6, 384-400.	6.1	21
23	Controlling multistability in a vibro-impact capsule system. Nonlinear Dynamics, 2017, 88, 1289-1304.	5.2	42
24	Response Characteristics of Looseness-Rubbing Coupling Fault in Rotor-Sliding Bearing System. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	8