

# Chao Fu

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

769  
citations

566801

15  
h-index

525886

27  
g-index

39  
all docs

39  
docs citations

39  
times ranked

346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review for order reduction based on proper orthogonal decomposition and outlooks of applications in mechanical systems. <i>Mechanical Systems and Signal Processing</i> , 2019, 123, 264-297.	4.4	134
2	Response analysis of an accelerating unbalanced rotating system with both random and interval variables. <i>Journal of Sound and Vibration</i> , 2020, 466, 115047.	2.1	75
3	An interval precise integration method for transient unbalance response analysis of rotor system with uncertainty. <i>Mechanical Systems and Signal Processing</i> , 2018, 107, 137-148.	4.4	60
4	The applications of POD method in dual rotor-bearing systems with coupling misalignment. <i>Mechanical Systems and Signal Processing</i> , 2021, 150, 107236.	4.4	55
5	Nonlinear responses of a dual-rotor system with rub-impact fault subject to interval uncertain parameters. <i>Mechanical Systems and Signal Processing</i> , 2022, 170, 108827.	4.4	43
6	Steady-state response analysis of cracked rotors with uncertain but bounded parameters using a polynomial surrogate method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 68, 240-256.	1.7	36
7	Dynamic response analysis of an overhung rotor with interval uncertainties. <i>Nonlinear Dynamics</i> , 2017, 89, 2115-2124.	2.7	35
8	Nonlinear response analysis of a rotor system with a transverse breathing crack under interval uncertainties. <i>International Journal of Non-Linear Mechanics</i> , 2018, 105, 77-87.	1.4	29
9	A transient characteristic-based balancing method of rotor system without trail weights. <i>Mechanical Systems and Signal Processing</i> , 2021, 148, 107117.	4.4	29
10	Modelling non-Gaussian surfaces and misalignment for condition monitoring of journal bearings. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 174, 108983.	2.5	28
11	Investigation on dynamic behaviors of rotor system with looseness and nonlinear supporting. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108400.	4.4	27
12	Dynamics analysis of a hollow-shaft rotor system with an open crack under model uncertainties. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 83, 105102.	1.7	24
13	Predicting the Dynamic Response of Dual-Rotor System Subject to Interval Parametric Uncertainties Based on the Non-Intrusive Metamodel. <i>Mathematics</i> , 2020, 8, 736.	1.1	18
14	Vibration Analysis of Rotors Under Uncertainty Based on Legendre Series. <i>Journal of Vibration Engineering and Technologies</i> , 2019, 7, 43-51.	1.3	17
15	A novel transient balancing technology of the rotor system based on multi modal analysis and feature points selection. <i>Journal of Sound and Vibration</i> , 2021, 510, 116321.	2.1	17
16	Statistical moment analysis of nonlinear rotor system with multi uncertain variables. <i>Mechanical Systems and Signal Processing</i> , 2019, 116, 1029-1041.	4.4	16
17	Transient dynamic balancing of the rotor system with uncertainty. <i>Mechanical Systems and Signal Processing</i> , 2022, 171, 108894.	4.4	14
18	Nonlinear vibration analysis of a rotor system with parallel and angular misalignments under uncertainty via a Legendre collocation approach. <i>International Journal of Mechanics and Materials in Design</i> , 2020, 16, 557-568.	1.7	13

#	ARTICLE	IF	CITATIONS
19	Surrogate modeling for dynamic analysis of an uncertain notched rotor system and roles of Chebyshev parameters. <i>Journal of Sound and Vibration</i> , 2022, 524, 116755.	2.1	13
20	Investigation on the transient response of a speed-varying rotor with sudden unbalance and its application in the unbalance identification. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, 39, 1065-1086.	1.3	12
21	A phase linearisation-based modulation signal bispectrum for analysing cyclostationary bearing signals. <i>Structural Health Monitoring</i> , 2021, 20, 1231-1246.	4.3	12
22	Stochastic Analysis of Lubrication in Misaligned Journal Bearings. <i>Journal of Tribology</i> , 2022, 144, .	1.0	11
23	Nonlinear Vibrations of an Uncertain Dual-Rotor Rolling Bearings System with Coupling Misalignment. <i>Journal of Nonlinear Mathematical Physics</i> , 2022, 29, 388-402.	0.8	10
24	Dynamic analysis of geared transmission system for wind turbines with mixed aleatory and epistemic uncertainties. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2022, 43, 275-294.	1.9	8
25	Effects of Bounded Uncertainties on the Dynamic Characteristics of an Overhung Rotor System with Rubbing Fault. <i>Energies</i> , 2019, 12, 4365.	1.6	7
26	A Review of Model Order Reduction Methods for Large-Scale Structure Systems. <i>Shock and Vibration</i> , 2021, 2021, 1-19.	0.3	6
27	Dynamic Behavior Analysis and Stability Control of Tethered Satellite Formation Deployment. <i>Sensors</i> , 2022, 22, 62.	2.1	6
28	Dynamic Response of Dual-Disk Rotor System with Uncertainties Based on Chebyshev Convex Method. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9146.	1.3	5
29	Dynamical Behaviors Analysis of the Rotor Model with Coupling Faults and Applications of the TPOD Method. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7415.	1.3	3
30	Transient Analysis of Speed-Varying Rotor with Uncertainty Based on Interval Approaches. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-10.	0.5	2
31	Non-probabilistic analysis of a double-disk rotor system with uncertain parameters. <i>Journal of Vibroengineering</i> , 2018, 20, 1311-1321.	0.5	2
32	The Uncertain Vibrations of a Rotor Operating with Angular Acceleration Based on Taylor Expansion. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 1105-1113.	0.5	1
33	Static and Dynamic Characteristics of Journal Bearings Under Uncertainty: A Non-Probabilistic Perspective. <i>Journal of Engineering for Gas Turbines and Power</i> , 2022, , .	0.5	1
34	Torsional Vibration Characteristics of Wind Turbine Gear Systems Based on Inherent Randomness. <i>Mechanisms and Machine Science</i> , 2021, , 228-236.	0.3	0
35	The Transient POD Method Based on Minimum Error of Bifurcation Parameter. <i>Mathematics</i> , 2021, 9, 392.	1.1	0
36	A Dynamic-Balancing Testing System Designed for Flexible Rotor. <i>Shock and Vibration</i> , 2021, 2021, 1-17.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Research on Transient High-Speed Dynamical Balancing of Power Turbine Rotor. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2018, 36, 375-381.	0.3	0
38	Application of the Second Dimension Reduction Method in Nonlinear Rotor Dynamic System. , 2020, , 533-548.		0