

Chao Fu

List of Publications by Year in descending order

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38
papers

769
citations

567281
15
h-index

526287
27
g-index

39
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39
docs citations

39
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on dynamic behaviors of rotor system with looseness and nonlinear supporting. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108400.	8.0	27
2	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.	3.6	8
3	Stochastic Analysis of Lubrication in Misaligned Journal Bearings. <i>Journal of Tribology</i> , 2022, 144, .	1.9	11
4	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.	3.9	13
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.	8.0	43
6	Transient dynamic balancing of the rotor system with uncertainty. <i>Mechanical Systems and Signal Processing</i> , 2022, 171, 108894.	8.0	14
7	Nonlinear Vibrations of an Uncertain Dual-Rotor Rolling Bearings System with Coupling Misalignment. <i>Journal of Nonlinear Mathematical Physics</i> , 2022, 29, 388-402.	1.3	10
8	Dynamic Behavior Analysis and Stability Control of Tethered Satellite Formation Deployment. <i>Sensors</i> , 2022, 22, 62.	3.8	6
9	Static and Dynamic Characteristics of Journal Bearings Under Uncertainty: A Non-Probabilistic Perspective. <i>Journal of Engineering for Gas Turbines and Power</i> , 2022, , .	1.1	1
10	A transient characteristic-based balancing method of rotor system without trail weights. <i>Mechanical Systems and Signal Processing</i> , 2021, 148, 107117.	8.0	29
11	The applications of POD method in dual rotor-bearing systems with coupling misalignment. <i>Mechanical Systems and Signal Processing</i> , 2021, 150, 107236.	8.0	55
12	A phase linearisation-based modulation signal bispectrum for analysing cyclostationary bearing signals. <i>Structural Health Monitoring</i> , 2021, 20, 1231-1246.	7.5	12
13	Torsional Vibration Characteristics of Wind Turbine Gear Systems Based on Inherent Randomness. <i>Mechanisms and Machine Science</i> , 2021, , 228-236.	0.5	0
14	The Transient POD Method Based on Minimum Error of Bifurcation Parameter. <i>Mathematics</i> , 2021, 9, 392.	2.2	0
15	Modelling non-Gaussian surfaces and misalignment for condition monitoring of journal bearings. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 174, 108983.	5.0	28
16	A Review of Model Order Reduction Methods for Large-Scale Structure Systems. <i>Shock and Vibration</i> , 2021, 2021, 1-19.	0.6	6
17	A Dynamic-Balancing Testing System Designed for Flexible Rotor. <i>Shock and Vibration</i> , 2021, 2021, 1-17.	0.6	0
18	Dynamic Response of Dual-Disk Rotor System with Uncertainties Based on Chebyshev Convex Method. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9146.	2.5	5

#	ARTICLE	IF	CITATIONS
19	A novel transient balancing technology of the rotor system based on multi modal analysis and feature points selection. Journal of Sound and Vibration, 2021, 510, 116321.	3.9	17
20	Investigation on the transient response of a speed-varying rotor with sudden unbalance and its application in the unbalance identification. Journal of Low Frequency Noise Vibration and Active Control, 2020, 39, 1065-1086.	2.9	12
21	Response analysis of an accelerating unbalanced rotating system with both random and interval variables. Journal of Sound and Vibration, 2020, 466, 115047.	3.9	75
22	Dynamics analysis of a hollow-shaft rotor system with an open crack under model uncertainties. Communications in Nonlinear Science and Numerical Simulation, 2020, 83, 105102.	3.3	24
23	Nonlinear vibration analysis of a rotor system with parallel and angular misalignments under uncertainty via a Legendre collocation approach. International Journal of Mechanics and Materials in Design, 2020, 16, 557-568.	3.0	13
24	Dynamical Behaviors Analysis of the Rotor Model with Coupling Faults and Applications of the TPOD Method. Applied Sciences (Switzerland), 2020, 10, 7415.	2.5	3
25	Predicting the Dynamic Response of Dual-Rotor System Subject to Interval Parametric Uncertainties Based on the Non-Intrusive Metamodel. Mathematics, 2020, 8, 736.	2.2	18
26	The Uncertain Vibrations of a Rotor Operating with Angular Acceleration Based on Taylor Expansion. Smart Innovation, Systems and Technologies, 2020, , 1105-1113.	0.6	1
27	Application of the Second Dimension Reduction Method in Nonlinear Rotor Dynamic System. , 2020, , 533-548.		0
28	Statistical moment analysis of nonlinear rotor system with multi uncertain variables. Mechanical Systems and Signal Processing, 2019, 116, 1029-1041.	8.0	16
29	Steady-state response analysis of cracked rotors with uncertain but bounded parameters using a polynomial surrogate method. Communications in Nonlinear Science and Numerical Simulation, 2019, 68, 240-256.	3.3	36
30	Review for order reduction based on proper orthogonal decomposition and outlooks of applications in mechanical systems. Mechanical Systems and Signal Processing, 2019, 123, 264-297.	8.0	134
31	Effects of Bounded Uncertainties on the Dynamic Characteristics of an Overhung Rotor System with Rubbing Fault. Energies, 2019, 12, 4365.	3.1	7
32	Vibration Analysis of Rotors Under Uncertainty Based on Legendre Series. Journal of Vibration Engineering and Technologies, 2019, 7, 43-51.	2.2	17
33	An interval precise integration method for transient unbalance response analysis of rotor system with uncertainty. Mechanical Systems and Signal Processing, 2018, 107, 137-148.	8.0	60
34	Nonlinear response analysis of a rotor system with a transverse breathing crack under interval uncertainties. International Journal of Non-Linear Mechanics, 2018, 105, 77-87.	2.6	29
35	Transient Analysis of Speed-Varying Rotor with Uncertainty Based on Interval Approaches. Discrete Dynamics in Nature and Society, 2018, 2018, 1-10.	0.9	2
36	Non-probabilistic analysis of a double-disk rotor system with uncertain parameters. Journal of Vibroengineering, 2018, 20, 1311-1321.	1.0	2

#	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.	0.5	0
38	Dynamic response analysis of an overhung rotor with interval uncertainties. Nonlinear Dynamics, 2017, 89, 2115-2124.	5.2	35