

Tian-yu Zhao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Study on theoretical modeling and mechanical performance of a spinning porous graphene nanoplatelet reinforced beam attached with double blades. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 1530-1541.	2.6	13
2	Nonlinear dynamics of flexible diaphragm coupling's rotor system during maneuvering flight. <i>Journal of Strain Analysis for Engineering Design</i> , 2023, 58, 236-254.	1.8	2
3	Vibration characteristics of graphene nanoplatelet reinforced disk-shaft rotor with eccentric mass. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 3485-3498.	2.6	37
4	Free Vibration Analysis of Spinning Sandwich Annular Plates with Functionally Graded Graphene Nanoplatelet Reinforced Porous Core. <i>Materials</i> , 2022, 15, 1328.	2.9	6
5	An Adaptive Neuro-Fuzzy Model for Attitude Estimation and Control of a 3 DOF System. <i>Mathematics</i> , 2022, 10, 976.	2.2	9
6	Analytical Solution for Forced Vibration Characteristics of Rotating Functionally Graded Blades under Rub-Impact and Base Excitation. <i>Materials</i> , 2022, 15, 2175.	2.9	2
7	Performance and Biomechanics in the Flight Period of Ski Jumping: Influence of Ski Attitude. <i>Biology</i> , 2022, 11, 671.	2.8	5
8	Intelligent Monitoring System Based on Noise-Assisted Multivariate Empirical Mode Decomposition Feature Extraction and Neural Networks. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-14.	1.7	2
9	Deep Multi-Scale Residual Connected Neural Network Model for Intelligent Athlete Balance Control Ability Evaluation. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-11.	1.7	3
10	Study on theoretical modeling and vibration performance of an assembled cylindrical shell-plate structure with whirl motion. <i>Applied Mathematical Modelling</i> , 2022, 110, 618-632.	4.2	31
11	Study on dynamic characteristics of a rotating cylindrical shell with uncertain parameters. <i>Analysis and Mathematical Physics</i> , 2022, 12, .	1.3	25
12	Coupled free vibration of a functionally graded pre-twisted blade-shaft system reinforced with graphene nanoplatelets. <i>Composite Structures</i> , 2021, 262, 113362.	5.8	56
13	Vibration Characteristics of Multi-Stage Blade-Disk-Shaft Integrated Structure with Three-Dimensional Crack. <i>Journal of Vibration Engineering and Technologies</i> , 2021, 9, 597-611.	2.2	9
14	Modeling and free vibration analysis of rotating hub-blade assemblies reinforced with graphene nanoplatelets. <i>Journal of Strain Analysis for Engineering Design</i> , 2021, 56, 563-573.	1.8	13
15	Free vibration analysis of a spinning porous nanocomposite blade reinforced with graphene nanoplatelets. <i>Journal of Strain Analysis for Engineering Design</i> , 2021, 56, 574-586.	1.8	19
16	Study on Influence of Multi-Parameter Variation of Bladed Disk System on Vibration Characteristics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3084.	2.5	4
17	Vibration Characteristics of Functionally Graded Porous Nanocomposite Blade-disk-shaft Rotor System Reinforced with Graphene Nanoplatelets. <i>Applied Composite Materials</i> , 2021, 28, 717-731.	2.5	14
18	Dynamic characteristics analysis for vehicle parts based on parallel optimization algorithm with CUDA. <i>Engineering Computations</i> , 2021, 38, 3622-3642.	1.4	3

#	ARTICLE	IF	CITATIONS
19	Free vibration analysis of a functionally graded graphene nanoplatelet reinforced disk-shaft assembly with whirl motion. International Journal of Mechanical Sciences, 2021, 197, 106335.	6.7	56
20	Free vibration analysis of a rotating graphene nanoplatelet reinforced pre-twist blade-disk assembly with a setting angle. Applied Mathematical Modelling, 2021, 93, 578-596.	4.2	66
21	Tabu Genetic Cat Swarm Algorithm Analysis of Optimization Arrangement on Mistuned Blades Based on CUDA. Shock and Vibration, 2021, 2021, 1-18.	0.6	1
22	Free Vibration Analysis of a Graphene-Reinforced Porous Composite Plate with Different Boundary Conditions. Materials, 2021, 14, 3879.	2.9	11
23	Modeling and vibration analysis of a spinning assembled beamâ€‘plate structure reinforced by graphene nanoplatelets. Acta Mechanica, 2021, 232, 3863-3879.	2.1	9
24	Wave Propagation in Rotating Functionally Graded Microbeams Reinforced by Graphene Nanoplatelets. Molecules, 2021, 26, 5150.	3.8	3
25	Study on the Coupled Vibration Characteristics of a Two-Stage Bladed Disk Rotor System. Applied Sciences (Switzerland), 2021, 11, 8600.	2.5	2
26	Parameter Interval Uncertainty Analysis of Internal Resonance of Rotating Porous Shaftâ€‘Diskâ€‘Blade Assemblies Reinforced by Graphene Nanoplatelets. Materials, 2021, 14, 5033.	2.9	4
27	Nonlinear forced vibration analysis of spinning shaftâ€‘disk assemblies under sliding bearing supports. Mathematical Methods in the Applied Sciences, 2021, 44, 12283-12301.	2.3	12
28	Shafting Torsional Vibration Analysis of 1000 MW Unit under Electrical Short-Circuit Fault. Applied Sciences (Switzerland), 2021, 11, 9205.	2.5	1
29	Research on Control of Stewart Platform Integrating Small Attitude Maneuver and Vibration Isolation for High-Precision Payloads on Spacecraft. Aerospace, 2021, 8, 333.	2.2	7
30	Dynamic characteristics of mistuned bladed disk system under rub-impact force. Advances in Mechanical Engineering, 2020, 12, 168781402097306.	1.6	5
31	Coupled Free Vibration of Spinning Functionally Graded Porous Double-Bladed Disk Systems Reinforced with Graphene Nanoplatelets. Materials, 2020, 13, 5610.	2.9	14
32	Analytical solution for vibration characteristics of rotating graphene nanoplatelet-reinforced plates under rub-impact and thermal shock. Advanced Composites Letters, 2020, 29, 2633366X2093365.	1.3	10
33	Parallel intelligent algorithm analysis of optimization arrangement on mistuned blades based on compute unified device architecture. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 2207-2218.	1.3	5
34	Vibration reduction optimization of the mistuned bladed disk considering the prestress. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 226-239.	1.3	4
35	Multi-field coupling dynamic characteristics based on Kriging interpolation method. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 1088-1099.	1.3	1
36	Genetic particle swarm parallel algorithm analysis of optimization arrangement on mistuned blades. Engineering Optimization, 2017, 49, 2095-2116.	2.6	13

#	ARTICLE	IF	CITATIONS
37	Study on localization influences of frequency veering on vibration of mistuned bladed disk. Journal of Mechanical Science and Technology, 2017, 31, 5173-5184.	1.5	9
38	Vibration characteristics of mistuned multistage bladed disks of the aero-engine compressor. Journal of Vibroengineering, 0, , .	1.0	0