

# Tian-yu Zhao

## List of Publications by Year in descending order

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38  
papers

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citations

758635

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times ranked

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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.	1.5	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.	1.0	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.	1.5	37
4	Free Vibration Analysis of Spinning Sandwich Annular Plates with Functionally Graded Graphene Nanoplatelet Reinforced Porous Core. <i>Materials</i> , 2022, 15, 1328.	1.3	6
5	An Adaptive Neuro-Fuzzy Model for Attitude Estimation and Control of a 3 DOF System. <i>Mathematics</i> , 2022, 10, 976.	1.1	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.	1.3	2
7	Performance and Biomechanics in the Flight Period of Ski Jumping: Influence of Ski Attitude. <i>Biology</i> , 2022, 11, 671.	1.3	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.	1.1	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.	1.1	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.	2.2	31
11	Study on dynamic characteristics of a rotating cylindrical shell with uncertain parameters. <i>Analysis and Mathematical Physics</i> , 2022, 12, .	0.6	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.	3.1	56
13	Vibration Characteristics of Multi-Stage Blade's Disk's Shaft Integrated Structure with Three-Dimensional Crack. <i>Journal of Vibration Engineering and Technologies</i> , 2021, 9, 597-611.	1.3	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.	1.0	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.	1.0	19
16	Study on Influence of Multi-Parameter Variation of Bladed Disk System on Vibration Characteristics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3084.	1.3	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.	1.3	14
18	Dynamic characteristics analysis for vehicle parts based on parallel optimization algorithm with CUDA. <i>Engineering Computations</i> , 2021, 38, 3622-3642.	0.7	3

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19	Free vibration analysis of a functionally graded graphene nanoplatelet reinforced disk-shaft assembly with whirl motion. <i>International Journal of Mechanical Sciences</i> , 2021, 197, 106335.	3.6	56
20	Free vibration analysis of a rotating graphene nanoplatelet reinforced pre-twist blade-disk assembly with a setting angle. <i>Applied Mathematical Modelling</i> , 2021, 93, 578-596.	2.2	66
21	Tabu Genetic Cat Swarm Algorithm Analysis of Optimization Arrangement on Mistuned Blades Based on CUDA. <i>Shock and Vibration</i> , 2021, 2021, 1-18.	0.3	1
22	Free Vibration Analysis of a Graphene-Reinforced Porous Composite Plate with Different Boundary Conditions. <i>Materials</i> , 2021, 14, 3879.	1.3	11
23	Modeling and vibration analysis of a spinning assembled beam-plate structure reinforced by graphene nanoplatelets. <i>Acta Mechanica</i> , 2021, 232, 3863-3879.	1.1	9
24	Wave Propagation in Rotating Functionally Graded Microbeams Reinforced by Graphene Nanoplatelets. <i>Molecules</i> , 2021, 26, 5150.	1.7	3
25	Study on the Coupled Vibration Characteristics of a Two-Stage Bladed Disk Rotor System. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8600.	1.3	2
26	Parameter Interval Uncertainty Analysis of Internal Resonance of Rotating Porous Shaft-Disk-Blade Assemblies Reinforced by Graphene Nanoplatelets. <i>Materials</i> , 2021, 14, 5033.	1.3	4
27	Nonlinear forced vibration analysis of spinning shaft-disk assemblies under sliding bearing supports. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 12283-12301.	1.2	12
28	Shafting Torsional Vibration Analysis of 1000 MW Unit under Electrical Short-Circuit Fault. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9205.	1.3	1
29	Research on Control of Stewart Platform Integrating Small Attitude Maneuver and Vibration Isolation for High-Precision Payloads on Spacecraft. <i>Aerospace</i> , 2021, 8, 333.	1.1	7
30	Dynamic characteristics of mistuned bladed disk system under rub-impact force. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402097306.	0.8	5
31	Coupled Free Vibration of Spinning Functionally Graded Porous Double-Bladed Disk Systems Reinforced with Graphene Nanoplatelets. <i>Materials</i> , 2020, 13, 5610.	1.3	14
32	Analytical solution for vibration characteristics of rotating graphene nanoplatelet-reinforced plates under rub-impact and thermal shock. <i>Advanced Composites Letters</i> , 2020, 29, 2633366X2093365.	1.3	10
33	Parallel intelligent algorithm analysis of optimization arrangement on mistuned blades based on compute unified device architecture. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 2207-2218.	0.7	5
34	Vibration reduction optimization of the mistuned bladed disk considering the prestress. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 226-239.	0.7	4
35	Multi-field coupling dynamic characteristics based on Kriging interpolation method. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2017, 231, 1088-1099.	0.7	1
36	Genetic particle swarm parallel algorithm analysis of optimization arrangement on mistuned blades. <i>Engineering Optimization</i> , 2017, 49, 2095-2116.	1.5	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.	0.7	9
38	Vibration characteristics of mistuned multistage bladed disks of the aero-engine compressor. Journal of Vibroengineering, 0, , .	0.5	0