

# Minghui Yao

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

431  
citations

759233

12  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Free vibration analysis of a pre-twisted sandwich blade with thermal barrier coatings layers. <i>Science China Technological Sciences</i> , 2017, 60, 1747-1761.	4.0	55
2	Nonlinear dynamic responses of rotating pretwisted cylindrical shells. <i>Nonlinear Dynamics</i> , 2019, 95, 151-174.	5.2	51
3	Nonlinear vibrations of functionally graded graphene reinforced composite cylindrical panels. <i>Applied Mathematical Modelling</i> , 2022, 101, 1-18.	4.2	42
4	Experimental study on broadband bistable energy harvester with L-shaped piezoelectric cantilever beam. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 557-577.	3.4	33
5	Linear and nonlinear vibrations of graphene platelet reinforced composite tapered plates and cylindrical panels. <i>Aerospace Science and Technology</i> , 2021, 115, 106798.	4.8	31
6	Nonlinear coupling vibrations of graphene composite laminated sheets impacted by particles. <i>Applied Mathematical Modelling</i> , 2021, 93, 75-88.	4.2	27
7	Study on power generations and dynamic responses of the bistable straight beam and the bistable L-shaped beam. <i>Science China Technological Sciences</i> , 2018, 61, 1404-1416.	4.0	25
8	Nonlinear Dynamics of the High-Speed Rotating Plate. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-23.	0.9	23
9	Design, Simulation and Experiment for a Vortex-Induced Vibration Energy Harvester for Low-Velocity Water Flow. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 1239-1252.	4.9	23
10	Nonlinear Vibrations and Chaotic Dynamics of the Laminated Composite Piezoelectric Beam. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2015, 137, .	1.6	21
11	Improved Flow-Induced Vibration Energy Harvester by Using Magnetic Force: An Experimental Study. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 879-887.	4.9	20
12	Resonance in dangerous mode and chaotic dynamics of a rotating pre-twisted graphene reinforced composite blade with variable thickness. <i>Composite Structures</i> , 2022, 288, 115422.	5.8	19
13	Nonlinear transient responses of rotating twisted FGM cylindrical panels. <i>Science China Technological Sciences</i> , 2021, 64, 317-330.	4.0	12
14	Nonlinear Dynamics and Power Generation on a New Bistable Piezoelectric-Electromagnetic Energy Harvester. <i>Complexity</i> , 2020, 2020, 1-29.	1.6	11
15	Bifurcation and dynamic behavior analysis of a rotating cantilever plate in subsonic airflow. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 1861-1880.	3.6	11
16	Nonplanar free and forced vibrations of an imperfect nanobeam employing nonlocal strain gradient theory. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 114, 106692.	3.3	9
17	Adaptive impedance matching for power management circuit for a piezoelectric energy harvester on the bridge. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112986.	4.1	7
18	A potential treatment for COVID-19 based on modal characteristics and dynamic responses analysis of 2019-nCoV. <i>Nonlinear Dynamics</i> , 2021, 106, 1425-1432.	5.2	5

#	ARTICLE	IF	CITATIONS
19	Nonlinear Dynamics of Rotating Pretwisted Cylindrical Panels Under 1:2 Internal Resonances. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050191.	1.7	5
20	Linear Vibration of the Rotary Plate Under Combined Excitations in Subsonic Airflow. International Journal of Applied Mechanics, 2020, 12, 2050088.	2.2	1