

# Jia-Jia Mao

## List of Publications by Year in descending order

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22  
papers

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citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Buckling and post-buckling analyses of functionally graded graphene reinforced piezoelectric plate subjected to electric potential and axial forces. <i>Composite Structures</i> , 2019, 216, 392-405.	3.1	158
2	Linear and nonlinear free and forced vibrations of graphene reinforced piezoelectric composite plate under external voltage excitation. <i>Composite Structures</i> , 2018, 203, 551-565.	3.1	142
3	Nonlinear breathing vibrations of eccentric rotating composite laminated circular cylindrical shell subjected to temperature, rotating speed and external excitations. <i>Mechanical Systems and Signal Processing</i> , 2019, 127, 463-498.	4.4	84
4	Vibrations of graphene nanoplatelet reinforced functionally gradient piezoelectric composite microplate based on nonlocal theory. <i>Composite Structures</i> , 2020, 236, 111813.	3.1	68
5	Nonlinear vibrations of carbon fiber reinforced polymer laminated cylindrical shell under non-normal boundary conditions with 1:2 internal resonance. <i>European Journal of Mechanics, A/Solids</i> , 2019, 74, 317-336.	2.1	45
6	Static and dynamic analyses of graphene-reinforced aluminium-based composite plate in thermal environment. <i>Aerospace Science and Technology</i> , 2020, 107, 106354.	2.5	44
7	Nonlinear radial breathing vibrations of CFRP laminated cylindrical shell with non-normal boundary conditions subjected to axial pressure and radial line load at two ends. <i>Composite Structures</i> , 2018, 190, 52-78.	3.1	40
8	Thermoelastic instability of functionally graded materials with interaction of frictional heat and contact resistance. <i>Mechanics Based Design of Structures and Machines</i> , 2018, 46, 139-156.	3.4	30
9	Modeling and analyze of behaviors of functionally graded graphene reinforced composite beam with geometric imperfection in multiphysics. <i>Aerospace Science and Technology</i> , 2022, 127, 107722.	2.5	27
10	Thermoelastic contact instability of a functionally graded layer and a homogeneous half-plane. <i>International Journal of Solids and Structures</i> , 2014, 51, 3962-3972.	1.3	25
11	Comparisons of nonlinear vibrations among pure polymer plate and graphene platelet reinforced composite plates under combined transverse and parametric excitations. <i>Composite Structures</i> , 2021, 265, 113767.	3.1	18
12	The coupled thermoelastic instability of FGM coatings with arbitrarily varying properties: in-plane sliding. <i>Acta Mechanica</i> , 2018, 229, 2979-2995.	1.1	17
13	Thermoelastic instability of functionally graded coating with arbitrarily varying properties considering contact resistance and frictional heat. <i>Applied Mathematical Modelling</i> , 2017, 43, 521-537.	2.2	16
14	Thermoelastic instability of a functionally graded layer interacting with a homogeneous layer. <i>International Journal of Mechanical Sciences</i> , 2015, 99, 218-227.	3.6	15
15	Vibration and frequency analysis of edge-cracked functionally graded graphene reinforced composite beam with piezoelectric actuators. <i>Engineering With Computers</i> , 2023, 39, 1563-1582.	3.5	15
16	Thermoelastic instability of functionally graded materials in frictionless contact. <i>Acta Mechanica</i> , 2015, 226, 2295-2311.	1.1	6
17	Frictionally Excited Thermoelastic Instability of Functionally Graded Materials Sliding Out-of-Plane With Contact Resistance. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	1.1	6
18	A novel soft encapsulated multi-directional and multi-modal piezoelectric vibration energy harvester. <i>Energy</i> , 2022, 254, 124309.	4.5	6

#	ARTICLE	IF	CITATIONS
19	Nonlinear Vibration of the Blade with Variable Thickness. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-18.	0.6	5
20	Buckling Analyses of Functionally Graded Graphene Nanoplatelets Reinforced Nonlocal Piezoelectric Microplate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 774, 012103.	0.3	1
21	Buckling Analyses of Edge-cracked Functionally Graded Graphene Reinforced Composite Piezoelectric Beam. <i>Journal of Physics: Conference Series</i> , 2021, 1906, 012042.	0.3	1
22	Molecular Dynamic Simulation of Defective Graphene Nanoribbons for Tension and Vibration. <i>Nanomaterials</i> , 2022, 12, 2407.	1.9	1