

Zhicheng Yang

List of Publications by Year in descending order

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29
papers

1,326
citations

361296
20
h-index

501076
28
g-index

29
all docs

29
docs citations

29
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionally graded graphene reinforced composite structures: A review. <i>Engineering Structures</i> , 2020, 210, 110339.	2.6	332
2	Dynamic instability of functionally graded porous arches reinforced by graphene platelets. <i>Thin-Walled Structures</i> , 2020, 147, 106491.	2.7	116
3	Nonlinear in-plane buckling of fixed shallow functionally graded graphene reinforced composite arches subjected to mechanical and thermal loading. <i>Applied Mathematical Modelling</i> , 2019, 70, 315-327.	2.2	83
4	Nonlinear in-plane instability of functionally graded multilayer graphene reinforced composite shallow arches. <i>Composite Structures</i> , 2018, 204, 301-312.	3.1	74
5	Dynamic buckling of functionally graded graphene nanoplatelets reinforced composite shallow arches under a step central point load. <i>Journal of Sound and Vibration</i> , 2020, 465, 115019.	2.1	61
6	Nonlinear Buckling Analysis of Functionally Graded Graphene Reinforced Composite Shallow Arches with Elastic Rotational Constraints under Uniform Radial Load. <i>Materials</i> , 2018, 11, 910.	1.3	55
7	State-of-the-art review of fabrication, application, and mechanical properties of functionally graded porous nanocomposite materials. <i>Nanotechnology Reviews</i> , 2022, 11, 321-371.	2.6	55
8	Dynamic buckling of rotationally restrained FG porous arches reinforced with graphene nanoplatelets under a uniform step load. <i>Thin-Walled Structures</i> , 2021, 166, 108103.	2.7	51
9	Geometrically nonlinear buckling of graphene platelets reinforced dielectric composite (GPLRDC) arches with rotational end restraints. <i>Aerospace Science and Technology</i> , 2020, 107, 106326.	2.5	50
10	In-plane and out-of-plane free vibrations of functionally graded composite arches with graphene reinforcements. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 2046-2056.	1.5	45
11	Isogeometric couple stress continuum-based linear and nonlinear flexural responses of functionally graded composite microplates with variable thickness. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	1.9	44
12	Vibration and Buckling Characteristics of Functionally Graded Graphene Nanoplatelets Reinforced Composite Beams with Open Edge Cracks. <i>Materials</i> , 2019, 12, 1412.	1.3	39
13	Nonlinear Dynamic Response of FG Graphene Platelets Reinforced Composite Beam with Edge Cracks in Thermal Environment. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2043005.	1.5	39
14	Thermally induced instability on asymmetric buckling analysis of pinned-fixed FG-GPLRC arches. <i>Engineering Structures</i> , 2022, 250, 113243.	2.6	36
15	Nonlinear bending of elastically restrained functionally graded graphene nanoplatelet reinforced beams with an open edge crack. <i>Thin-Walled Structures</i> , 2020, 156, 106972.	2.7	35
16	A couple-stress-based moving Kriging meshfree shell model for axial postbuckling analysis of random checkerboard composite cylindrical microshells. <i>Thin-Walled Structures</i> , 2022, 170, 108631.	2.7	34
17	Nonlinear Dynamic Buckling of Fixed Shallow Arches under an Arbitrary Step Radial Point Load. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, .	1.6	27
18	Nonlinear dynamic buckling of fixed shallow arches under impact loading: An analytical and experimental study. <i>Journal of Sound and Vibration</i> , 2020, 487, 115622.	2.1	25

#	ARTICLE	IF	CITATIONS
19	Analytical Prediction for Nonlinear Buckling of Elastically Supported FG-GPLRC Arches under a Central Point Load. <i>Materials</i> , 2021, 14, 2026.	1.3	24
20	Nonlinear buckling mode transition analysis of axial-thermal-electrical-loaded FG piezoelectric nanopanels incorporating nonlocal and couple stress tensors. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, 1.	1.9	22
21	Experimental and analytical investigation on the in-plane dynamic instability of arches owing to parametric resonance. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4419-4432.	1.5	21
22	Thermo-elastic analysis of functionally graded graphene nanoplatelets (GPLs) reinforced closed cylindrical shells. <i>Applied Mathematical Modelling</i> , 2021, 97, 754-770.	2.2	18
23	Multiple Equilibria and Buckling of Functionally Graded Graphene Nanoplatelet-Reinforced Composite Arches with Pinned-Fixed End. <i>Crystals</i> , 2020, 10, 1003.	1.0	11
24	Long-term lateral-torsional buckling behavior of pin-ended CFST arches under uniform radial loads and temperature field. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 2472-2486.	1.5	9
25	Nonlinear Buckling of Fixed Functionally Graded Material Arches Under a Locally Uniformly Distributed Radial Load. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	6
26	Recent developments in tensile properties of friction welding of carbon fiber-reinforced composite: A review. <i>Nanotechnology Reviews</i> , 2022, 11, 1408-1436.	2.6	6
27	Experiment and simulation of high-cycle corrosion fatigue damage evolution and corrosion pit tolerance analysis of crack nucleation. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 1435-1447.	1.7	5
28	Effect of Al-Zn Alloy Coating on Corrosion Fatigue Behavior of X80 Riser Steel. <i>Materials</i> , 2019, 12, 1520.	1.3	3
29	Modeling and Internal Resonance Analysis of Cable-Stayed Shallow Arches. <i>Shock and Vibration</i> , 2020, 2020, 1-16.	0.3	0