Da Chen

List of Publications by Year
in descending order

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19 papers	2,875 citations	623574 14 h-index	887953 17 g-index
19 all docs	19 docs citations	19 times ranked	832 citing authors

#	Article	IF	Citations
1	Free vibration and elastic buckling of functionally graded porous beams reinforced by graphene platelets. Materials and Design, 2017, 116, 656-665.	3.3	458
2	Elastic buckling and static bending of shear deformable functionally graded porous beam. Composite Structures, 2015, 133, 54-61.	3.1	357
3	Buckling and free vibration analyses of functionally graded graphene reinforced porous nanocomposite plates based on Chebyshev-Ritz method. Composite Structures, 2018, 193, 281-294.	3.1	346
4	Free and forced vibrations of shear deformable functionally graded porous beams. International Journal of Mechanical Sciences, 2016, 108-109, 14-22.	3.6	326
5	Nonlinear vibration and postbuckling of functionally graded graphene reinforced porous nanocomposite beams. Composites Science and Technology, 2017, 142, 235-245.	3.8	311
6	Nonlinear free vibration of shear deformable sandwich beam with a functionally graded porous core. Thin-Walled Structures, 2016, 107, 39-48.	2.7	283
7	Vibration characteristics of functionally graded graphene reinforced porous nanocomposite cylindrical shells with spinning motion. Composites Part B: Engineering, 2018, 145, 1-13.	5.9	235
8	Nonlinear free vibration of functionally graded graphene platelets reinforced porous nanocomposite plates resting on elastic foundation. Composite Structures, 2018, 204, 831-846.	3.1	195
9	Dynamic response and energy absorption of functionally graded porous structures. Materials and Design, 2018, 140, 473-487.	3.3	117
10	Buckling and bending analyses of a novel functionally graded porous plate using Chebyshev-Ritz method. Archives of Civil and Mechanical Engineering, 2019, 19, 157-170.	1.9	110
11	Buckling and free vibration of axially functionally graded graphene reinforced nanocomposite beams. Engineering Structures, 2021, 249, 113327.	2.6	36
12	Impact response of inclined self-weighted functionally graded porous beams reinforced by graphene platelets. Thin-Walled Structures, 2022, 179, 109501.	2.7	35
13	Enhanced thermal buckling resistance of folded graphene reinforced nanocomposites with negative thermal expansion: From atomistic study to continuum mechanics modelling. Composite Structures, 2022, 279, 114872.	3.1	24
14	Multiscale modelling of functionally graded porous beams: Buckling and vibration analyses. Engineering Structures, 2022, 266, 114568.	2.6	18
15	Examination of net volume reduction of gravity-type open-net fish cages under sea currents. Aquacultural Engineering, 2021, 92, 102128.	1.4	16
16	Simulation of the Wind Field of Gantry Cranes Based on FLUENT. Applied Mechanics and Materials, 0, 217-219, 1530-1534.	0.2	4
17	Dynamic Response of Shear Deformable Functionally Graded Porous Beams. Applied Mechanics and Materials, 0, 846, 434-439.	0.2	2
18	Vibration Absorber for Spring-Mass System Using a Hanging Heavy Column with Rotationally Restrained End. Journal of Engineering Mechanics - ASCE, 2020, 146, .	1.6	1

#	Article	IF	Citations
19	Braking performance of working rail-mounted cranes under wind load. Wind and Structures, an International Journal, 2014, 19, 1-14.	0.8	1