Chuang Feng

List of Publications by Year
in descending order

38 papers	2,270 citations	236612 25 h-index	344852 36 g-index
38 all docs	38 docs citations	38 times ranked	1216 citing authors

#	Article	IF	Citations
1	Nonlinear bending of polymer nanocomposite beams reinforced with non-uniformly distributed graphene platelets (GPLs). Composites Part B: Engineering, 2017, 110, 132-140.	5.9	326
2	Nonlinear free vibration of functionally graded polymer composite beams reinforced with graphene nanoplatelets (GPLs). Engineering Structures, 2017, 140, 110-119.	2.6	267
3	Micromechanics modeling of the electrical conductivity of carbon nanotube (CNT)â€“polymer nanocomposites. Composites Part A: Applied Science and Manufacturing, 2013, 47, 143-149.	3.8	256
4	Bending and vibration analysis of functionally graded trapezoidal nanocomposite plates reinforced with graphene nanoplatelets (GPLs). Composite Structures, 2017, 180, 799-808.	3.1	172
5	Eigenvalue buckling of functionally graded cylindrical shells reinforced with graphene platelets (GPL). Composite Structures, 2018, 202, 38-46.	3.1	129
6	Torsional buckling of graphene platelets (GPLs) reinforced functionally graded cylindrical shell with cutout. Composite Structures, 2018, 197, 72-79.	3.1	96
7	Buckling of Graphene Platelet Reinforced Composite Cylindrical Shell with Cutout. International Journal of Structural Stability and Dynamics, 2018, 18, 1850040.	1.5	93
8	Effects of Graphene Nanoplatelet Size and Surface Area on the AC Electrical Conductivity and Dielectric Constant of Epoxy Nanocomposites. Polymers, 2018, 10, 477.	2.0	70
9	Buckling and postbuckling of dielectric composite beam reinforced with Graphene Platelets (GPLs). Aerospace Science and Technology, 2019, 91, 208-218.	2.5	61
10	Nonlinear static and dynamic responses of graphene platelets reinforced composite beam with dielectric permittivity. Applied Mathematical Modelling, 2019, 71, 298-315.	2.2	58
11	Investigation of uniaxial stretching effects on the electrical conductivity of CNTâ€“polymer nanocomposites. Journal Physics D: Applied Physics, 2014, 47, 405103.	1.3	55
12	Tensile behavior of polymer nanocomposite reinforced with graphene containing defects. European Polymer Journal, 2018, 98, 475-482.	2.6	51
13	Geometrically nonlinear buckling of graphene platelets reinforced dielectric composite (GPLRDC) arches with rotational end restraints. Aerospace Science and Technology, 2020, 107, 106326.	2.5	50
14	Nonlinear vibration of FG-GPLRC dielectric plate with active tuning using differential quadrature method. Computer Methods in Applied Mechanics and Engineering, 2021, 379, 113761.	3.4	47
15	Tensile property enhancement of defective graphene/epoxy nanocomposite by hydrogen functionalization. Composite Structures, 2019, 224, 111079.	3.1	46
16	Nanocellulose reinforced P(AAm-co-AAc) hydrogels with improved mechanical properties and biocompatibility. Composites Part A: Applied Science and Manufacturing, 2018, 112, 395-404.	3.8	45
17	Dynamic characteristics of a dielectric elastomer-based microbeam resonator with small vibration amplitude. Journal of Micromechanics and Microengineering, 2011, 21, 095002.	1.5	41
18	Numerical analysis on stability of functionally graded graphene platelets (GPLs) reinforced dielectric composite plate. Applied Mathematical Modelling, 2022, 101, 239-258.	2.2	36

#	Article	IF	Citations
19	Static response of functionally graded graphene plateletâ€“reinforced composite plate with dielectric property. Journal of Intelligent Material Systems and Structures, 2020, 31, 2211-2228.	1.4	35
20	Dynamic Buckling of Thermo-Electro-Mechanically Loaded FG-CNTRC Beams. International Journal of Structural Stability and Dynamics, 2015, 15, 1540017.	1.5	33
21	Nonlinear free vibration of graphene platelets (GPLs)/polymer dielectric beam. Smart Materials and Structures, 2019, 28, 055013.	1.8	31
22	Dynamic analysis of a dielectric elastomer-based microbeam resonator with large vibration amplitude. International Journal of Non-Linear Mechanics, 2014, 65, 63-68.	1.4	29
23	Effects of Reorientation of Graphene Platelets (GPLs) on Youngâ€™s Modulus of Polymer Composites under Bi-Axial Stretching. Nanomaterials, 2018, 8, 27.	1.9	28
24	Effects of Reorientation of Graphene Platelets (GPLs) on Youngâ€™s Modulus of Polymer Nanocomposites under Uni-Axial Stretching. Polymers, 2017, 9, 532.	2.0	27
25	Primary nonlinear damped natural frequency of dielectric composite beam reinforced with graphene platelets (GPLs). Archives of Civil and Mechanical Engineering, 2022, 22, 1.	1.9	27
26	Squeeze-film effects in MEMS devices with perforated plates for small amplitude vibration. Microsystem Technologies, 2007, 13, 625-633.	1.2	25
27	Micromechanics Modeling of Bi-Axial Stretching Effects on the Electrical Conductivity of CNT-Polymer Composites. International Journal of Applied Mechanics, 2015, 07, 1550005.	1.3	20
28	In situ synthesis of silver nanowire gel and its super-elastic composite foams. Nanoscale, 2020, 12, 19861-19869.	2.8	18
29	Tensile and compressive behaviors of prestrained single-layer black phosphorus: a molecular dynamics study. Nanoscale, 2017, 9, 3609-3619.	2.8	16
30	Electrical, Piezoresistive and Electromagnetic Properties of Graphene Reinforced Cement Composites: A Review. Nanomaterials, 2021, 11, 3220.	1.9	16
31	Geometrically nonlinear bending of functionally graded nanocomposite trapezoidal plates reinforced with graphene platelets (GPLs). International Journal of Mechanics and Materials in Design, 2019, 15, 791-800.	1.7	15
32	Molecular dynamics simulation of squeeze-film damping effect on nano resonators in the free molecular regime. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1605-1609.	1.3	12
33	Electromechanical Behaviors of Graphene Reinforced Polymer Composites: A Review. Materials, 2020, 13, 528.	1.3	11
34	Temperature-dependent mechanical properties of defective graphene reinforced polymer nanocomposite. Mechanics of Advanced Materials and Structures, 2021, 28, 1010-1019.	1.5	11
35	Nonlinear Vibration of PZT4/PZT-5H Monomorph and Bimorph Beams with Graded Microstructures. International Journal of Structural Stability and Dynamics, 2015, 15, 1540015.	1.5	9
36	Parametric Study on Mechanical, Thermal and Electrical Properties of Graphene Reinforced Composites by Effective Medium Theory. International Journal of Applied Mechanics, 2021, 13, 2150008.	1.3	7

#	Article	IF	Citations
37	FLEXURAL VIBRATION ANALYSIS OF GRAPHENE NANOPLATELETS REINFORCED NANOCOMPOSITE BEAMS. , 2016, , .		1
38	Heat Treatment Microstructures of a Directionally Solidified Nickel Base Superalloy under High Temperature Gradient. Materials Science Forum, 0, 788, 519-524.	0.3	0