

# Chuang Feng

## List of Publications by Year in descending order

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38  
papers

2,270  
citations

236925

25  
h-index

345221

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). <i>Composites Part B: Engineering</i> , 2017, 110, 132-140.	12.0	326
2	Nonlinear free vibration of functionally graded polymer composite beams reinforced with graphene nanoplatelets (GPLs). <i>Engineering Structures</i> , 2017, 140, 110-119.	5.3	267
3	Micromechanics modeling of the electrical conductivity of carbon nanotube (CNT)â€“polymer nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 47, 143-149.	7.6	256
4	Bending and vibration analysis of functionally graded trapezoidal nanocomposite plates reinforced with graphene nanoplatelets (GPLs). <i>Composite Structures</i> , 2017, 180, 799-808.	5.8	172
5	Eigenvalue buckling of functionally graded cylindrical shells reinforced with graphene platelets (GPL). <i>Composite Structures</i> , 2018, 202, 38-46.	5.8	129
6	Torsional buckling of graphene platelets (GPLs) reinforced functionally graded cylindrical shell with cutout. <i>Composite Structures</i> , 2018, 197, 72-79.	5.8	96
7	Buckling of Graphene Platelet Reinforced Composite Cylindrical Shell with Cutout. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850040.	2.4	93
8	Effects of Graphene Nanoplatelet Size and Surface Area on the AC Electrical Conductivity and Dielectric Constant of Epoxy Nanocomposites. <i>Polymers</i> , 2018, 10, 477.	4.5	70
9	Buckling and postbuckling of dielectric composite beam reinforced with Graphene Platelets (GPLs). <i>Aerospace Science and Technology</i> , 2019, 91, 208-218.	4.8	61
10	Nonlinear static and dynamic responses of graphene platelets reinforced composite beam with dielectric permittivity. <i>Applied Mathematical Modelling</i> , 2019, 71, 298-315.	4.2	58
11	Investigation of uniaxial stretching effects on the electrical conductivity of CNTâ€“polymer nanocomposites. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 405103.	2.8	55
12	Tensile behavior of polymer nanocomposite reinforced with graphene containing defects. <i>European Polymer Journal</i> , 2018, 98, 475-482.	5.4	51
13	Geometrically nonlinear buckling of graphene platelets reinforced dielectric composite (GPLRDC) arches with rotational end restraints. <i>Aerospace Science and Technology</i> , 2020, 107, 106326.	4.8	50
14	Nonlinear vibration of FG-GPLRC dielectric plate with active tuning using differential quadrature method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 379, 113761.	6.6	47
15	Tensile property enhancement of defective graphene/epoxy nanocomposite by hydrogen functionalization. <i>Composite Structures</i> , 2019, 224, 111079.	5.8	46
16	Nanocellulose reinforced P(AAm-co-AAc) hydrogels with improved mechanical properties and biocompatibility. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 395-404.	7.6	45
17	Dynamic characteristics of a dielectric elastomer-based microbeam resonator with small vibration amplitude. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 095002.	2.6	41
18	Numerical analysis on stability of functionally graded graphene platelets (GPLs) reinforced dielectric composite plate. <i>Applied Mathematical Modelling</i> , 2022, 101, 239-258.	4.2	36

#	ARTICLE	IF	CITATIONS
19	Static response of functionally graded graphene platelet reinforced composite plate with dielectric property. <i>Journal of Intelligent Material Systems and Structures</i> , 2020, 31, 2211-2228.	2.5	35
20	Dynamic Buckling of Thermo-Electro-Mechanically Loaded FG-CNTRC Beams. <i>International Journal of Structural Stability and Dynamics</i> , 2015, 15, 1540017.	2.4	33
21	Nonlinear free vibration of graphene platelets (GPLs)/polymer dielectric beam. <i>Smart Materials and Structures</i> , 2019, 28, 055013.	3.5	31
22	Dynamic analysis of a dielectric elastomer-based microbeam resonator with large vibration amplitude. <i>International Journal of Non-Linear Mechanics</i> , 2014, 65, 63-68.	2.6	29
23	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Composites under Bi-Axial Stretching. <i>Nanomaterials</i> , 2018, 8, 27.	4.1	28
24	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Nanocomposites under Uni-Axial Stretching. <i>Polymers</i> , 2017, 9, 532.	4.5	27
25	Primary nonlinear damped natural frequency of dielectric composite beam reinforced with graphene platelets (GPLs). <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, 1.	3.8	27
26	Squeeze-film effects in MEMS devices with perforated plates for small amplitude vibration. <i>Microsystem Technologies</i> , 2007, 13, 625-633.	2.0	25
27	Micromechanics Modeling of Bi-Axial Stretching Effects on the Electrical Conductivity of CNT-Polymer Composites. <i>International Journal of Applied Mechanics</i> , 2015, 07, 1550005.	2.2	20
28	<i>In situ</i> synthesis of silver nanowire gel and its super-elastic composite foams. <i>Nanoscale</i> , 2020, 12, 19861-19869.	5.6	18
29	Tensile and compressive behaviors of prestrained single-layer black phosphorus: a molecular dynamics study. <i>Nanoscale</i> , 2017, 9, 3609-3619.	5.6	16
30	Electrical, Piezoresistive and Electromagnetic Properties of Graphene Reinforced Cement Composites: A Review. <i>Nanomaterials</i> , 2021, 11, 3220.	4.1	16
31	Geometrically nonlinear bending of functionally graded nanocomposite trapezoidal plates reinforced with graphene platelets (GPLs). <i>International Journal of Mechanics and Materials in Design</i> , 2019, 15, 791-800.	3.0	15
32	Molecular dynamics simulation of squeeze-film damping effect on nano resonators in the free molecular regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1605-1609.	2.7	12
33	Electromechanical Behaviors of Graphene Reinforced Polymer Composites: A Review. <i>Materials</i> , 2020, 13, 528.	2.9	11
34	Temperature-dependent mechanical properties of defective graphene reinforced polymer nanocomposite. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1010-1019.	2.6	11
35	Nonlinear Vibration of PZT4/PZT-5H Monomorph and Bimorph Beams with Graded Microstructures. <i>International Journal of Structural Stability and Dynamics</i> , 2015, 15, 1540015.	2.4	9
36	Parametric Study on Mechanical, Thermal and Electrical Properties of Graphene Reinforced Composites by Effective Medium Theory. <i>International Journal of Applied Mechanics</i> , 2021, 13, 2150008.	2.2	7

#	ARTICLE	IF	CITATIONS
37	FLEXURAL VIBRATION ANALYSIS OF GRAPHENE NANOPATELETS 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