

# Yu Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,136  
citations

516561

16  
h-index

677027

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bending and vibration analysis of functionally graded trapezoidal nanocomposite plates reinforced with graphene nanoplatelets (GPLs). <i>Composite Structures</i> , 2017, 180, 799-808.	3.1	172
2	Eigenvalue buckling of functionally graded cylindrical shells reinforced with graphene platelets (GPL). <i>Composite Structures</i> , 2018, 202, 38-46.	3.1	129
3	Nonlinear free vibration of graded graphene reinforced cylindrical shells: Effects of spinning motion and axial load. <i>Journal of Sound and Vibration</i> , 2018, 437, 79-96.	2.1	112
4	Torsional buckling of graphene platelets (GPLs) reinforced functionally graded cylindrical shell with cutout. <i>Composite Structures</i> , 2018, 197, 72-79.	3.1	96
5	Buckling of Graphene Platelet Reinforced Composite Cylindrical Shell with Cutout. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850040.	1.5	93
6	Analytical prediction of the impact response of graphene reinforced spinning cylindrical shells under axial and thermal loads. <i>Applied Mathematical Modelling</i> , 2019, 71, 331-348.	2.2	72
7	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.	2.0	70
8	Nonlinear static and dynamic responses of graphene platelets reinforced composite beam with dielectric permittivity. <i>Applied Mathematical Modelling</i> , 2019, 71, 298-315.	2.2	58
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	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.	3.4	47
11	Numerical analysis on stability of functionally graded graphene platelets (GPLs) reinforced dielectric composite plate. <i>Applied Mathematical Modelling</i> , 2022, 101, 239-258.	2.2	36
12	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.	1.4	35
13	Nonlinear free vibration of graphene platelets (GPLs)/polymer dielectric beam. <i>Smart Materials and Structures</i> , 2019, 28, 055013.	1.8	31
14	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Composites under Bi-Axial Stretching. <i>Nanomaterials</i> , 2018, 8, 27.	1.9	28
15	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Nanocomposites under Uni-Axial Stretching. <i>Polymers</i> , 2017, 9, 532.	2.0	27
16	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.	1.9	27
17	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.	1.7	15
18	Electromechanical Behaviors of Graphene Reinforced Polymer Composites: A Review. <i>Materials</i> , 2020, 13, 528.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Failure analysis of three-dimensional braided composite tubes under torsional load: Experimental study. <i>Journal of Reinforced Plastics and Composites</i> , 2017, 36, 878-888.	1.6	10
20	Finite Element Analysis of Mechanical Properties of 3D Surface-Core Braided Composites. <i>Polymer Composites</i> , 2018, 39, 1076-1088.	2.3	8
21	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.	1.3	7
22	Tensile Properties and Failure Mechanism of a New 3D Nonorthogonal Woven Composite Material. <i>Applied Composite Materials</i> , 2016, 23, 1117-1135.	1.3	2