

# Gongye Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4555978/publications.pdf>

Version: 2024-02-01

44  
papers

880  
citations

471371  
17  
h-index

526166  
27  
g-index

44  
all docs

44  
docs citations

44  
times ranked

243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band gaps in a periodic electro-elastic composite beam structure incorporating microstructure and flexoelectric effects. <i>Archive of Applied Mechanics</i> , 2023, 93, 245-260.	1.2	15
2	A Transversely Isotropic Magneto-Electro-Elastic Circular Kirchhoff Plate Model Incorporating Microstructure Effect. <i>Acta Mechanica Solida Sinica</i> , 2022, 35, 185-197.	1.0	5
3	A microstructure-dependent Kirchhoff plate model based on a reformulated strain gradient elasticity theory. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 2521-2530.	1.5	9
4	A non-classical theory of elastic dielectrics incorporating couple stress and quadrupole effects: part II - variational formulations and applications in plates. <i>Mathematics and Mechanics of Solids</i> , 2022, 27, 2567-2587.	1.5	8
5	A non-classical couple stress based Mindlin plate finite element framework for tuning band gaps of periodic composite micro plates. <i>Journal of Sound and Vibration</i> , 2022, 529, 116889.	2.1	8
6	A new model for thermal buckling of an anisotropic elastic composite beam incorporating piezoelectric, flexoelectric and semiconducting effects. <i>Acta Mechanica</i> , 2022, 233, 1719-1738.	1.1	15
7	A new model for thermally induced redistributions of free carriers in centrosymmetric flexoelectric semiconductor beams. <i>Mechanics of Materials</i> , 2022, 171, 104328.	1.7	24
8	Global and local flexotronic effects induced by external magnetic fields in warping of a semiconducting composite fiber. <i>Composite Structures</i> , 2022, 295, 115711.	3.1	9
9	Bending and Wave Propagation Analysis of Magneto-Electro-Elastic Functionally Graded Porous Microbeams. <i>Crystals</i> , 2022, 12, 732.	1.0	11
10	Magnetically tunable bandgaps in phononic crystal nanobeams incorporating microstructure and flexoelectric effects. <i>Applied Mathematical Modelling</i> , 2022, 111, 554-566.	2.2	16
11	Isogeometric analysis for non-classical Bernoulli-Euler beam model incorporating microstructure and surface energy effects. <i>Applied Mathematical Modelling</i> , 2021, 89, 470-485.	2.2	23
12	A non-classical model for first-order shear deformation circular cylindrical thin shells incorporating microstructure and surface energy effects. <i>Mathematics and Mechanics of Solids</i> , 2021, 26, 1294-1319.	1.5	14
13	Microstructure-dependent Band Gaps for Elastic Wave Propagation in a Periodic Microbeam Structure. <i>Acta Mechanica Solida Sinica</i> , 2021, 34, 527-538.	1.0	8
14	A non-classical model for circular cylindrical thin shells incorporating microstructure and surface energy effects. <i>Acta Mechanica</i> , 2021, 232, 2225-2248.	1.1	17
15	A non-classical theory of elastic dielectrics incorporating couple stress and quadrupole effects: part I "reconsideration of curvature-based flexoelectricity theory. <i>Mathematics and Mechanics of Solids</i> , 2021, 26, 1647-1659.	1.5	30
16	Bending, Buckling and Vibration Analysis of Complete Microstructure-Dependent Functionally Graded Material Microbeams. <i>International Journal of Applied Mechanics</i> , 2021, 13, .	1.3	17
17	Tunable Bandgaps in Phononic Crystal Microbeams Based on Microstructure, Piezo and Temperature Effects. <i>Crystals</i> , 2021, 11, 1029.	1.0	11
18	Mechanically induced electric and magnetic fields in the bending and symmetric-shear deformations of a microstructure-dependent FG-MEE composite beam. <i>Composite Structures</i> , 2021, 278, 114554.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Size and temperature effects on band gaps in periodic fluid-filled micropipes. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 1219-1232.	1.9	11
20	Magnetically induced electric potential in first-order composite beams incorporating couple stress and its flexoelectric effects. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2021, 37, 1509-1519.	1.5	8
21	Isogeometric analysis of size-dependent Bernoulli-Euler beam based on a reformulated strain gradient elasticity theory. <i>Computers and Structures</i> , 2021, 253, 106577.	2.4	23
22	Band gaps for elastic flexural wave propagation in periodic composite plate structures with star-shaped, transversely isotropic, magneto-electro-elastic inclusions. <i>Acta Mechanica</i> , 2021, 232, 4325-4346.	1.1	10
23	A non-classical Bernoulli-Euler beam model based on a simplified micromorphic elasticity theory. <i>Mechanics of Materials</i> , 2021, 161, 103967.	1.7	11
24	On the Bending and Vibration Analysis of Functionally Graded Magneto-Electro-Elastic Timoshenko Microbeams. <i>Crystals</i> , 2021, 11, 1206.	1.0	14
25	Band gaps for wave propagation in 2-D periodic three-phase composites with coated star-shaped inclusions and an orthotropic matrix. <i>Composites Part B: Engineering</i> , 2020, 182, 107319.	5.9	35
26	A new Bernoulli-Euler beam model based on a reformulated strain gradient elasticity theory. <i>Mathematics and Mechanics of Solids</i> , 2020, 25, 630-643.	1.5	35
27	A microstructure-dependent anisotropic magneto-electro-elastic Mindlin plate model based on an extended modified couple stress theory. <i>Acta Mechanica</i> , 2020, 231, 4323-4350.	1.1	35
28	A new isogeometric Timoshenko beam model incorporating microstructures and surface energy effects. <i>Mathematics and Mechanics of Solids</i> , 2020, 25, 2005-2022.	1.5	18
29	A simplified strain gradient Kirchhoff rod model and its applications on microsprings and microcolumns. <i>Journal of Mechanics of Materials and Structures</i> , 2020, 15, 203-223.	0.4	3
30	A transversely isotropic magneto-electro-elastic Timoshenko beam model incorporating microstructure and foundation effects. <i>Mechanics of Materials</i> , 2020, 149, 103412.	1.7	60
31	Elastic wave propagation in a periodic composite plate structure: band gaps incorporating microstructure, surface energy and foundation effects. <i>Journal of Mechanics of Materials and Structures</i> , 2019, 14, 219-236.	0.4	19
32	Band gaps for flexural elastic wave propagation in periodic composite plate structures based on a non-classical Mindlin plate model incorporating microstructure and surface energy effects. <i>Continuum Mechanics and Thermodynamics</i> , 2019, 31, 1911-1930.	1.4	11
33	A non-classical Kirchhoff rod model based on the modified couple stress theory. <i>Acta Mechanica</i> , 2019, 230, 243-264.	1.1	18
34	Band gaps for elastic wave propagation in a periodic composite beam structure incorporating microstructure and surface energy effects. <i>Composite Structures</i> , 2018, 189, 263-272.	3.1	44
35	Band Gaps for Elastic Wave Propagation in a Periodic Composite Beam Structure Incorporating Surface Energy, Transverse Shear and Rotational Inertia Effects. , 2018, , .		0
36	Elastic wave propagation in a periodic composite beam structure: A new model for band gaps incorporating surface energy, transverse shear and rotational inertia effects. <i>Journal of Micromechanics and Molecular Physics</i> , 2018, 03, 1840005.	0.7	13

#	ARTICLE	IF	CITATIONS
37	Band gaps for wave propagation in 2-D periodic composite structures incorporating microstructure effects. <i>Acta Mechanica</i> , 2018, 229, 4199-4214.	1.1	38
38	Elastic wave propagation in 3-D periodic composites: Band gaps incorporating microstructure effects. <i>Composite Structures</i> , 2018, 204, 920-932.	3.1	31
39	A Non-Classical Model for Circular Mindlin Plates Incorporating Microstructure and Surface Energy Effects. <i>Procedia IUTAM</i> , 2017, 21, 48-55.	1.2	4
40	A non-classical model for an orthotropic Kirchhoff plate embedded in a viscoelastic medium. <i>Acta Mechanica</i> , 2017, 228, 3811-3825.	1.1	28
41	A non-classical Mindlin plate model incorporating microstructure, surface energy and foundation effects. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160275.	1.0	21
42	A non-classical Kirchhoff plate model incorporating microstructure, surface energy and foundation effects. <i>Continuum Mechanics and Thermodynamics</i> , 2016, 28, 195-213.	1.4	54
43	A non-classical model for circular Kirchhoff plates incorporating microstructure and surface energy effects. <i>Acta Mechanica</i> , 2015, 226, 4073-4085.	1.1	34
44	A microstructure- and surface energy-dependent third-order shear deformation beam model. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 1871-1894.	0.7	53