List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	3D hierarchical computational model of wood as a cellular material with fibril reinforced, heterogeneous multiple layers. Mechanics of Materials, 2009, 41, 1034-1049.	3.2	106
2	Exact solutions for bending of Timoshenko curved nanobeams made of functionally graded materials based on stress-driven nonlocal integral model. Composite Structures, 2020, 245, 112362.	5.8	61
3	Micromechanical modelling of mechanical behaviour and strength of wood: State-of-the-art review. Computational Materials Science, 2008, 44, 363-370.	3.0	59
4	Automatic generation of 2D micromechanical finite element model of silicon–carbide/aluminum metal matrix composites: Effects of the boundary conditions. Materials & Design, 2013, 44, 446-453.	5.1	57
5	3D multiscale micromechanical model of wood: From annual rings to microfibrils. International Journal of Solids and Structures, 2010, 47, 1253-1267.	2.7	55
6	Moisture-related mechanical properties of softwood: 3D micromechanical modeling. Computational Materials Science, 2009, 46, 310-320.	3.0	53
7	2D micromechanical analysis of SiC/Al metal matrix composites under tensile, shear and combined tensile/shear loads. Materials & Design, 2013, 51, 438-447.	5.1	53
8	Unidirectional high fiber content composites: Automatic 3D FE model generation and damage simulation. Computational Materials Science, 2009, 47, 548-555.	3.0	51
9	Elastic buckling and free vibration analysis of functionally graded Timoshenko beam with nonlocal strain gradient integral model. Applied Mathematical Modelling, 2021, 96, 657-677.	4.2	45
10	Micromechanical study of influence of interface strength on mechanical properties of metal matrix composites under uniaxial and biaxial tensile loadings. Computational Materials Science, 2014, 89, 102-113.	3.0	35
11	Theoretical analysis on elastic buckling of nanobeams based on stress-driven nonlocal integral model. Applied Mathematics and Mechanics (English Edition), 2020, 41, 207-232.	3.6	35
12	A 3D multilevel model of damage and strength of wood: Analysis of microstructural effects. Mechanics of Materials, 2011, 43, 487-495.	3.2	33
13	Theoretical analysis for static bending of circular Euler–Bernoulli beam using local and Eringen's nonlocal integral mixed model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2019, 99, e201800329.	1.6	31
14	Theoretical Analysis of Free Vibration of Microbeams under Different Boundary Conditions Using Stress-Driven Nonlocal Integral Model. International Journal of Structural Stability and Dynamics, 2020, 20, 2050040.	2.4	25
15	One-dimensional stress-driven nonlocal integral model with bi-Helmholtz kernel: Close form solution and consistent size effect. Applied Mathematical Modelling, 2021, 89, 400-412.	4.2	24
16	3D constitutive model of anisotropic damage for unidirectional ply based on physical failure mechanisms. Computational Materials Science, 2010, 50, 479-486.	3.0	23
17	A new theoretical model of the quasistatic single-fiber pullout problem: Analysis of stress field. Mechanics of Materials, 2013, 60, 66-79.	3.2	22
18	Exact and asymptotic bending analysis of microbeams under different boundary conditions using stressâ€derived nonlocal integral model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201900148.	1.6	22

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19	Analytical solutions of static bending of curved Timoshenko microbeams using Eringen's twoâ€phase local/nonlocal integral model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201900207.	1.6	22
20	Exact solutions for size-dependent bending of Timoshenko curved beams based on a modified nonlocal strain gradient model. Acta Mechanica, 2020, 231, 5251-5276.	2.1	21
21	Buckling analysis of curved sandwich microbeams made of functionally graded materials via the stress-driven nonlocal integral model. Mechanics of Advanced Materials and Structures, 2022, 29, 1211-1228.	2.6	21
22	A multiscale modeling on fracture and strength of graphene platelets reinforced epoxy. Engineering Fracture Mechanics, 2020, 235, 107197.	4.3	21
23	Closed-form solution in bi-Helmholtz kernel based two-phase nonlocal integral models for functionally graded Timoshenko beams. Composite Structures, 2021, 265, 113770.	5.8	21
24	On well-posedness of two-phase nonlocal integral models for higher-order refined shear deformation beams. Applied Mathematics and Mechanics (English Edition), 2021, 42, 931-950.	3.6	21
25	Bending and Buckling Analysis of Functionally Graded Euler–Bernoulli Beam Using Stress-Driven Nonlocal Integral Model with Bi-Helmholtz Kernel. International Journal of Applied Mechanics, 2021, 13, 2150041.	2.2	19
26	Linear and nonlinear free vibration analysis of functionally graded porous nanobeam using stress-driven nonlocal integral model. Communications in Nonlinear Science and Numerical Simulation, 2022, 109, 106300.	3.3	19
27	Well-posed two-phase nonlocal integral models for free vibration of nanobeams in context with higher-order refined shear deformation theory. JVC/Journal of Vibration and Control, 2022, 28, 3808-3822.	2.6	18
28	Strength and Reliability of Wood for the Components of Low-Cost Wind Turbines: Computational and Experimental Analysis and Applications. Wind Engineering, 2009, 33, 183-196.	1.9	16
29	Local/nonlocal mixture integral models with bi-Helmholtz kernel for free vibration of Euler-Bernoulli beams under thermal effect. Journal of Sound and Vibration, 2022, 525, 116798.	3.9	15
30	Elastic Buckling and Free Vibration of Functionally Graded Piezoelectric Nanobeams Using Nonlocal Integral Models. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	14
31	Micromechanical Analysis of SiC / Al Metal Matrix Composites: Finite Element Modeling and Damage Simulation. International Journal of Applied Mechanics, 2015, 07, 1550023.	2.2	13
32	On the consistency of two-phase local/nonlocal piezoelectric integral model. Applied Mathematics and Mechanics (English Edition), 2021, 42, 1581-1598.	3.6	13
33	Torsional static and vibration analysis of functionally graded nanotube with bi-Helmholtz kernel based stress-driven nonlocal integral model. Applied Mathematics and Mechanics (English Edition), 2021, 42, 425-440.	3.6	12
34	Free vibration analysis of Euler–Bernoulli curved beams using two-phase nonlocal integral models. JVC/Journal of Vibration and Control, 2022, 28, 2861-2878.	2.6	12
35	Stress-driven local/nonlocal mixture model for buckling and free vibration of FG sandwich Timoshenko beams resting on a nonlocal elastic foundation. Composite Structures, 2022, 289, 115473.	5.8	12
36	Theoretical analysis for static bending of Euler–Bernoulli using different nonlocal gradient models. Mechanics of Advanced Materials and Structures, 2021, 28, 1965-1977.	2.6	11

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37	On bending consistency of Timoshenko beam using differential and integral nonlocal strain gradient models. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000132.	1.6	11
38	Strength and damage of nanoplatelets reinforced polymer: A 3D finite element modeling and simulation. Composite Structures, 2020, 245, 112337.	5.8	10
39	Two-phase nonlocal integral models with a bi-Helmholtz averaging kernel for nanorods. Applied Mathematics and Mechanics (English Edition), 2021, 42, 1379-1396.	3.6	10
40	A new finite element method framework for axially functionally-graded nanobeam with stress-driven two-phase nonlocal integral model. Composite Structures, 2022, 295, 115769.	5.8	10
41	Elastic buckling and free vibration of nonlocal strain gradient Eulerâ€Bernoulli beams using Laplace transform. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, e202100152.	1.6	9
42	Two-phase local/nonlocal mixture models for buckling analysis of higher-order refined shear deformation beams under thermal effect. Mechanics of Advanced Materials and Structures, 2022, 29, 7605-7622.	2.6	9
43	Well-posedness of two-phase local/nonlocal integral polar models for consistent axisymmetric bending of circular microplates. Applied Mathematics and Mechanics (English Edition), 2022, 43, 637-652.	3.6	9
44	Micromechanical analysis of the stress transfer in single-fiber composite: The influence of the uniform and graded interphase with finite-thickness. Applied Mathematical Modelling, 2018, 59, 640-661.	4.2	8
45	A bi-Helmholtz type of two-phase nonlocal integral model for buckling of Bernoulli-Euler beams under non-uniform temperature. Journal of Thermal Stresses, 2021, 44, 1053-1067.	2.0	8
46	A novel phaseâ€field based cohesive zone model for modeling interfacial failure in composites. International Journal for Numerical Methods in Engineering, 2021, 122, 7054-7077.	2.8	8
47	Thermoelastic analysis of nanobar based on nonlocal integral elasticity and nonlocal integral heat conduction. Journal of Thermal Stresses, 2021, 44, 1244-1261.	2.0	8
48	A new theoretical model of the quasistatic single-fiber pull-out problem: A rate-dependent interfacial bond strength. Mechanics of Materials, 2016, 94, 132-141.	3.2	7
49	Bending, buckling and vibration analysis of Bi-directional functionally graded Circular/Annular microplate based on MCST. Composite Structures, 2022, 292, 115633.	5.8	7
50	Fatigue modeling of materials with complex microstructures. Computational Materials Science, 2011, 50, 1644-1650.	3.0	6
51	A new theoretical model of the quasistatic single-fiber pullout problem: The energy-based criterion with unloading process. Composites Science and Technology, 2016, 137, 69-77.	7.8	6
52	The consistency of the nonlocal strain gradient integral model in size-dependent bending analysis of beam structures. International Journal of Mechanical Sciences, 2021, 189, 105991.	6.7	6
53	Nonlocal gradient integral models with a bi-Helmholtz averaging kernel for functionally graded beams. Applied Mathematical Modelling, 2022, 107, 740-763.	4.2	6
54	On well-posed integral nonlocal gradient piezoelectric models for static bending of functionally graded piezoelectric nanobeam. European Journal of Mechanics, A/Solids, 2022, 96, 104735.	3.7	6

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55	Finite Element Analysis of the Microstructure–Strength Relationships of Metal Matrix Composites. Acta Metallurgica Sinica (English Letters), 2014, 27, 844-852.	2.9	5
56	The Influence of Particle Shapes on Strength and Damage Properties of Metal Matrix Composites. Journal of Nanoscience and Nanotechnology, 2015, 15, 5741-5748.	0.9	5
57	Semi-analytical and numerical post-buckling analysis of nanobeam using two-phase nonlocal integral models. Archive of Applied Mechanics, 2023, 93, 129-149.	2.2	5
58	Thermal-stress analysis for a strip of finite width containing a stack of edge cracks. Journal of Engineering Mathematics, 2008, 61, 161-169.	1.2	4
59	2D Micromechanical Modeling and Simulation of Ta-Particles Reinforced Bulk Metallic Glass Matrix Composite. Applied Sciences (Switzerland), 2018, 8, 2192.	2.5	4
60	Structural analysis of nonlocal nanobeam via FEM using equivalent nonlocal differential model. Engineering With Computers, 2023, 39, 2565-2581.	6.1	4
61	A phase-field based finite element method for modeling graphene flake reinforced composites. Mechanics of Advanced Materials and Structures, 2023, 30, 1897-1912.	2.6	1
62	A study of interfacial property of composite based on the shear stress criterion with cyclic loading process. , 2016, , .		0
63	A study of single piezoelectric fiber frictional sliding during loading and unloading process. , 2017, , .		0
64	Computational modeling of carbon nanofibers reinforced composites: A comparative study. Journal of Composite Materials, 2021, 55, 2315-2327.	2.4	0
65	The effect of carbon nanofibers on transverse cracking in carbon fiber reinforced polymer: A 3D finite element modeling and simulation. Mechanics of Advanced Materials and Structures, 0, , 1-12.	2.6	0
66	Exact solutions for buckling loads of nanobeams under thermal effect based on local/nonlocal mixture integral models with bi-Helmholtz kernel. Journal of Thermal Stresses, 0, , 1-23.	2.0	0