

# Hai Qing

## List of Publications by Year in descending order

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66  
papers

1,263  
citations

394390

19  
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434170

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docs citations

66  
times ranked

643  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D hierarchical computational model of wood as a cellular material with fibril reinforced, heterogeneous multiple layers. <i>Mechanics of Materials</i> , 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. <i>Composite Structures</i> , 2020, 245, 112362.	5.8	61
3	Micromechanical modelling of mechanical behaviour and strength of wood: State-of-the-art review. <i>Computational Materials Science</i> , 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. <i>Materials &amp; Design</i> , 2013, 44, 446-453.	5.1	57
5	3D multiscale micromechanical model of wood: From annual rings to microfibrils. <i>International Journal of Solids and Structures</i> , 2010, 47, 1253-1267.	2.7	55
6	Moisture-related mechanical properties of softwood: 3D micromechanical modeling. <i>Computational Materials Science</i> , 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. <i>Materials &amp; Design</i> , 2013, 51, 438-447.	5.1	53
8	Unidirectional high fiber content composites: Automatic 3D FE model generation and damage simulation. <i>Computational Materials Science</i> , 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. <i>Applied Mathematical Modelling</i> , 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. <i>Computational Materials Science</i> , 2014, 89, 102-113.	3.0	35
11	Theoretical analysis on elastic buckling of nanobeams based on stress-driven nonlocal integral model. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2020, 41, 207-232.	3.6	35
12	A 3D multilevel model of damage and strength of wood: Analysis of microstructural effects. <i>Mechanics of Materials</i> , 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. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019, 99, e201800329.	1.6	31
14	Theoretical Analysis of Free Vibration of Microbeams under Different Boundary Conditions Using Stress-Driven Nonlocal Integral Model. <i>International Journal of Structural Stability and Dynamics</i> , 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. <i>Applied Mathematical Modelling</i> , 2021, 89, 400-412.	4.2	24
16	3D constitutive model of anisotropic damage for unidirectional ply based on physical failure mechanisms. <i>Computational Materials Science</i> , 2010, 50, 479-486.	3.0	23
17	A new theoretical model of the quasistatic single-fiber pullout problem: Analysis of stress field. <i>Mechanics of Materials</i> , 2013, 60, 66-79.	3.2	22
18	Exact and asymptotic bending analysis of microbeams under different boundary conditions using stress-derived nonlocal integral model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2020, 100, e201900148.	1.6	22

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19	Analytical solutions of static bending of curved Timoshenko microbeams using Eringen's two-phase local/nonlocal integral model. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 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. <i>Acta Mechanica</i> , 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. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1211-1228.	2.6	21
22	A multiscale modeling on fracture and strength of graphene platelets reinforced epoxy. <i>Engineering Fracture Mechanics</i> , 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. <i>Composite Structures</i> , 2021, 265, 113770.	5.8	21
24	On well-posedness of two-phase nonlocal integral models for higher-order refined shear deformation beams. <i>Applied Mathematics and Mechanics (English Edition)</i> , 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. <i>International Journal of Applied Mechanics</i> , 2021, 13, 2150041.	2.2	19
26	Linear and nonlinear free vibration analysis of functionally graded porous nanobeam using stress-driven nonlocal integral model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 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. <i>JVC/Journal of Vibration and Control</i> , 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. <i>Wind Engineering</i> , 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. <i>Journal of Sound and Vibration</i> , 2022, 525, 116798.	3.9	15
30	Elastic Buckling and Free Vibration of Functionally Graded Piezoelectric Nanobeams Using Nonlocal Integral Models. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	14
31	Micromechanical Analysis of $\text{SiC}/\text{Al}$ Metal Matrix Composites: Finite Element Modeling and Damage Simulation. <i>International Journal of Applied Mechanics</i> , 2015, 07, 1550023.	2.2	13
32	On the consistency of two-phase local/nonlocal piezoelectric integral model. <i>Applied Mathematics and Mechanics (English Edition)</i> , 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. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 425-440.	3.6	12
34	Free vibration analysis of Euler-Bernoulli curved beams using two-phase nonlocal integral models. <i>JVC/Journal of Vibration and Control</i> , 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. <i>Composite Structures</i> , 2022, 289, 115473.	5.8	12
36	Theoretical analysis for static bending of Euler-Bernoulli using different nonlocal gradient models. <i>Mechanics of Advanced Materials and Structures</i> , 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. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000132.	1.6	11
38	Strength and damage of nanoplatelets reinforced polymer: A 3D finite element modeling and simulation. <i>Composite Structures</i> , 2020, 245, 112337.	5.8	10
39	Two-phase nonlocal integral models with a bi-Helmholtz averaging kernel for nanorods. <i>Applied Mathematics and Mechanics (English Edition)</i> , 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. <i>Composite Structures</i> , 2022, 295, 115769.	5.8	10
41	Elastic buckling and free vibration of nonlocal strain gradient Euler-Bernoulli beams using Laplace transform. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 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. <i>Mechanics of Advanced Materials and Structures</i> , 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. <i>Applied Mathematics and Mechanics (English Edition)</i> , 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. <i>Applied Mathematical Modelling</i> , 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. <i>Journal of Thermal Stresses</i> , 2021, 44, 1053-1067.	2.0	8
46	A novel phase-field based cohesive zone model for modeling interfacial failure in composites. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 7054-7077.	2.8	8
47	Thermoelastic analysis of nanobar based on nonlocal integral elasticity and nonlocal integral heat conduction. <i>Journal of Thermal Stresses</i> , 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. <i>Mechanics of Materials</i> , 2016, 94, 132-141.	3.2	7
49	Bending, buckling and vibration analysis of Bi-directional functionally graded Circular/Annular microplate based on MCST. <i>Composite Structures</i> , 2022, 292, 115633.	5.8	7
50	Fatigue modeling of materials with complex microstructures. <i>Computational Materials Science</i> , 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. <i>Composites Science and Technology</i> , 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. <i>International Journal of Mechanical Sciences</i> , 2021, 189, 105991.	6.7	6
53	Nonlocal gradient integral models with a bi-Helmholtz averaging kernel for functionally graded beams. <i>Applied Mathematical Modelling</i> , 2022, 107, 740-763.	4.2	6
54	On well-posed integral nonlocal gradient piezoelectric models for static bending of functionally graded piezoelectric nanobeam. <i>European Journal of Mechanics, A/Solids</i> , 2022, 96, 104735.	3.7	6

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55	Finite Element Analysis of the Microstructureâ€™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