

# Qinghua Qin

## List of Publications by Year in descending order

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350  
papers

8,253  
citations

53660

45  
h-index

91712

69  
g-index

360  
all docs

360  
docs citations

360  
times ranked

6767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraordinary Photoluminescence and Strong Temperature/Angle-Dependent Raman Responses in Few-Layer Phosphorene. ACS Nano, 2014, 8, 9590-9596.	7.3	604
2	Hierarchical chirality transfer in the growth of Towel Gourd tendrils. Scientific Reports, 2013, 3, 3102.	1.6	121
3	Development of structural-functional integrated energy storage concrete with innovative macro-encapsulated PCM by hollow steel ball. Applied Energy, 2017, 185, 107-118.	5.1	120
4	A novel coarse-fine search scheme for digital image correlation method. Measurement: Journal of the International Measurement Confederation, 2006, 39, 710-718.	2.5	108
5	Atomically thin optical lenses and gratings. Light: Science and Applications, 2016, 5, e16046-e16046.	7.7	107
6	A meshless model for transient heat conduction in functionally graded materials. Computational Mechanics, 2006, 38, 51-60.	2.2	106
7	The use of a carbon nanotube sensor for measuring strain by micro-Raman spectroscopy. Carbon, 2013, 53, 161-168.	5.4	101
8	Multi-flexural band gaps in an Euler-Bernoulli beam with lateral local resonators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 525-529.	0.9	101
9	Mechanical property of carbon nanotubes with intramolecular junctions: Molecular dynamics simulations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6661-6666.	0.9	97
10	Self-Excited Oscillation of Rotating Double-Walled Carbon Nanotubes. Nano Letters, 2014, 14, 2558-2562.	4.5	93
11	Extraordinarily Bound Quasi-One-Dimensional Trions in Two-Dimensional Phosphorene Atomic Semiconductors. ACS Nano, 2016, 10, 2046-2053.	7.3	92
12	Trefftz Finite Element Method and Its Applications. Applied Mechanics Reviews, 2005, 58, 316-337.	4.5	87
13	Exciton and Trion Dynamics in Bilayer MoS <sub>2</sub> . Small, 2015, 11, 6384-6390.	5.2	87
14	A novel two-dimensional mechanical metamaterial with negative Poisson's ratio. Computational Materials Science, 2020, 171, 109232.	1.4	87
15	A closed crack tip model for interface cracks inthermopiezoelectric materials. International Journal of Solids and Structures, 1999, 36, 2463-2479.	1.3	80
16	An arbitrarily-oriented plane crack terminating at the interface between dissimilar piezoelectric materials. International Journal of Solids and Structures, 1997, 34, 581-590.	1.3	78
17	Meshless approach for thermo-mechanical analysis of functionally graded materials. Engineering Analysis With Boundary Elements, 2008, 32, 704-712.	2.0	78
18	A micromechanical model for interpenetrating multiphase composites. Computational Materials Science, 2003, 28, 486-493.	1.4	77

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19	A meshless method for generalized linear or nonlinear Poisson-type problems. <i>Engineering Analysis With Boundary Elements</i> , 2006, 30, 515-521.	2.0	77
20	Influence of ultrasonic vibration on the plasticity of metals during compression process. <i>Journal of Materials Processing Technology</i> , 2018, 251, 146-159.	3.1	76
21	Compressive strengths and dynamic response of corrugated metal sandwich plates with unfilled and foam-filled sinusoidal plate cores. <i>Acta Mechanica</i> , 2013, 224, 759-775.	1.1	74
22	The Martensitic Transformation and Mechanical Properties of Ti6Al4V Prepared via Selective Laser Melting. <i>Materials</i> , 2019, 12, 321.	1.3	72
23	Excited State Biexcitons in Atomically Thin MoSe <sub>2</sub> . <i>ACS Nano</i> , 2017, 11, 7468-7475.	7.3	68
24	Experimental investigations of the effect of thickness on fracture toughness of metallic foils. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 394, 312-319.	2.6	65
25	3D printing of chiral carbon fiber reinforced polylactic acid composites with negative Poisson's ratios. <i>Composites Part B: Engineering</i> , 2020, 201, 108400.	5.9	65
26	Hybrid FEM with fundamental solutions as trial functions for heat conduction simulation. <i>Acta Mechanica Solida Sinica</i> , 2009, 22, 487-498.	1.0	63
27	A micro-mechanics model of dentin mechanical properties. <i>Biomaterials</i> , 2004, 25, 5081-5090.	5.7	62
28	Experimental study of the Raman strain rosette based on the carbon nanotube strain sensor. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1216-1220.	1.2	62
29	BEM for crack-hole problems in thermopiezoelectric materials. <i>Engineering Fracture Mechanics</i> , 2002, 69, 577-588.	2.0	60
30	A new meshless method for steady-state heat conduction problems in anisotropic and inhomogeneous media. <i>Archive of Applied Mechanics</i> , 2005, 74, 563-579.	1.2	60
31	Biophysical implications of lipid bilayer rheometry for mechanosensitive channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13864-13869.	3.3	59
32	Thermoelectroelastic solutions for internal bone remodeling under axial and transverse loads. <i>International Journal of Solids and Structures</i> , 2004, 41, 2447-2460.	1.3	58
33	Variational formulations for TFEM of piezoelectricity. <i>International Journal of Solids and Structures</i> , 2003, 40, 6335-6346.	1.3	57
34	2D Green's functions of defective magneto-electroelastic solids under thermal loading. <i>Engineering Analysis With Boundary Elements</i> , 2005, 29, 577-585.	2.0	57
35	Low-velocity impact response of fully clamped metal foam core sandwich beam incorporating local denting effect. <i>Composite Structures</i> , 2013, 96, 346-356.	3.1	55
36	A comparative study of mechanical and microstructural characteristics of aluminium and titanium undergoing ultrasonic assisted compression testing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 682, 376-388.	2.6	55

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37	Thermoelectroelastic Green's function for a piezoelectric plate containing an elliptic hole. <i>Mechanics of Materials</i> , 1998, 30, 21-29.	1.7	54
38	General solutions for thermopiezoelectrics with various holes under thermal loading. <i>International Journal of Solids and Structures</i> , 2000, 37, 5561-5578.	1.3	53
39	Trefftz Finite and Boundary Element Method. <i>Applied Mechanics Reviews</i> , 2001, 54, B99-B100.	4.5	53
40	Micromechanics analysis of Kevlar-29 aramid fiber and epoxy resin microdroplet composite by Micro-Raman spectroscopy. <i>Composite Structures</i> , 2006, 75, 532-538.	3.1	51
41	Fundamental-solution-based hybrid FEM for plane elasticity with special elements. <i>Computational Mechanics</i> , 2011, 48, 515-528.	2.2	51
42	A deformation mechanism of hard metal surrounded by soft metal during roll forming. <i>Scientific Reports</i> , 2014, 4, 5017.	1.6	51
43	Thermoelectroelastic Green's function and its application for bimaterial of piezoelectric materials. <i>Archive of Applied Mechanics</i> , 1998, 68, 433-444.	1.2	50
44	Quality assessment of resistance spot welding process based on dynamic resistance signal and random forest based. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 327-339.	1.5	50
45	Flexural wave suppression by an acoustic metamaterial plate. <i>Applied Acoustics</i> , 2016, 114, 118-124.	1.7	49
46	Size effect on the fracture toughness of metallic foil. <i>International Journal of Fracture</i> , 2003, 123, 177-185.	1.1	48
47	An RBF-MFS model for analysing thermal behaviour of skin tissues. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1298-1307.	2.5	48
48	Fundamental-solution-based finite element model for plane orthotropic elastic bodies. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 801-809.	2.1	48
49	Symplectic model for piezoelectric wedges and its application in analysis of electroelastic singularities. <i>Philosophical Magazine</i> , 2007, 87, 225-251.	0.7	47
50	Configuration jumps of rotor in a nanomotor from carbon nanostructures. <i>Carbon</i> , 2016, 101, 168-176.	5.4	46
51	Self-assembly dynamics and accumulation mechanisms of ultra-fine nanoparticles. <i>Nanoscale</i> , 2015, 7, 9859-9867.	2.8	45
52	Special n -sided Voronoi fiber/matrix elements for clustering thermal effect in natural-hemp-fiber-filled cement composites. <i>International Journal of Heat and Mass Transfer</i> , 2016, 92, 228-235.	2.5	45
53	Surface effects on the mechanical properties of nanoporous materials. <i>Nanotechnology</i> , 2011, 22, 265714.	1.3	43
54	Fast densification mechanism of bimodal powder during pressureless sintering of transparent AlON ceramics. <i>Journal of the European Ceramic Society</i> , 2016, 36, 671-678.	2.8	43

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55	A hypothetical mechanism of bone remodeling and modeling under electromagnetic loads. <i>Biomaterials</i> , 2006, 27, 4050-4057.	5.7	42
56	Boundary knot method for heat conduction in nonlinear functionally graded material. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 729-734.	2.0	42
57	A novel method for preparing and characterizing graphene nanoplatelets/aluminum nanocomposites. <i>Nano Research</i> , 2018, 11, 1642-1650.	5.8	42
58	Advances in fused deposition modeling of discontinuous fiber/polymer composites. <i>Current Opinion in Solid State and Materials Science</i> , 2020, 24, 100867.	5.6	42
59	Tunable compressive properties of a novel auxetic tubular material with low stress level. <i>Thin-Walled Structures</i> , 2021, 164, 107882.	2.7	42
60	Low-velocity impact response of geometrically asymmetric slender sandwich beams with metal foam core. <i>Composite Structures</i> , 2013, 98, 1-14.	3.1	41
61	Effect of filling materials on the microstructure and properties of hybrid laser welded Al-Mg-Si alloys joints. <i>Materials Characterization</i> , 2018, 144, 205-218.	1.9	41
62	A new special element for stress concentration analysis of a plate with elliptical holes. <i>Acta Mechanica</i> , 2012, 223, 1323-1340.	1.1	40
63	The fabrication and characterization of high density polyethylene composites reinforced by carbon nanotube coated carbon fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 149-156.	3.8	40
64	Thermoelectroelastic solutions for surface bone remodeling under axial and transverse loads. <i>Biomaterials</i> , 2005, 26, 6798-6810.	5.7	39
65	A regularized method of moments for three-dimensional time-harmonic electromagnetic scattering. <i>Applied Mathematics Letters</i> , 2021, 112, 106746.	1.5	39
66	Interaction analysis of multiple coated fibers in cement composites by special n-sided interphase/fiber elements. <i>Composites Science and Technology</i> , 2015, 118, 117-126.	3.8	38
67	A molecular dynamics based cohesive zone model for predicting interfacial properties between graphene coating and aluminum. <i>Computational Materials Science</i> , 2018, 151, 117-123.	1.4	38
68	A regularized approach evaluating the near-boundary and boundary solutions for three-dimensional Helmholtz equation with wideband wavenumbers. <i>Applied Mathematics Letters</i> , 2019, 91, 55-60.	1.5	37
69	A hybrid-Trefftz element containing an elliptic hole. <i>Finite Elements in Analysis and Design</i> , 2006, 42, 1314-1323.	1.7	36
70	Numerical study on the effects of hierarchical wavy interface morphology on fracture toughness. <i>Computational Materials Science</i> , 2012, 57, 14-22.	1.4	36
71	Homogenized Finite Element Analysis on Effective Elastoplastic Mechanical Behaviors of Composite with Imperfect Interfaces. <i>International Journal of Molecular Sciences</i> , 2014, 15, 23389-23407.	1.8	36
72	Quantitative control of a rotary carbon nanotube motor under temperature stimulus. <i>Nanotechnology</i> , 2016, 27, 055706.	1.3	36

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73	Sound transmission loss through metamaterial plate with lateral local resonators in the presence of external mean flow. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1161-1169.	0.5	36
74	Some problems in plane thermopiezoelectric materials with holes. <i>International Journal of Solids and Structures</i> , 1999, 36, 427-439.	1.3	35
75	A theoretical model and finite element formulation for coupled thermo-electro-chemo-mechanical media. <i>Mechanics of Materials</i> , 2010, 42, 148-156.	1.7	35
76	A modified multilevel algorithm for large-scale scientific and engineering computing. <i>Computers and Mathematics With Applications</i> , 2019, 77, 2061-2076.	1.4	35
77	The rapid assessment for three-dimensional potential model of large-scale particle system by a modified multilevel fast multipole algorithm. <i>Computers and Mathematics With Applications</i> , 2021, 89, 127-138.	1.4	35
78	Thermoelectroelastic Green's function for thermal load inside or on the boundary of an elliptic inclusion. <i>Mechanics of Materials</i> , 1999, 31, 611-626.	1.7	34
79	Boundary integral based graded element for elastic analysis of 2D functionally graded plates. <i>European Journal of Mechanics, A/Solids</i> , 2012, 33, 12-23.	2.1	34
80	Remodeling of a Cell-Free Vascular Graft with Nanolamellar Intima into a Neovessel. <i>ACS Nano</i> , 2019, 13, 10576-10586.	7.3	34
81	Effective moduli for thermopiezoelectric materials with microcracks. <i>International Journal of Fracture</i> , 1998, 91, 359-371.	1.1	33
82	An experimental investigation on the mechanical properties of the interface between large-sized graphene and a flexible substrate. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	32
83	Thermal stability of a free nanotube from single-layer black phosphorus. <i>Nanotechnology</i> , 2016, 27, 235703.	1.3	32
84	Some problems with the method of fundamental solution using radial basis functions. <i>Acta Mechanica Solida Sinica</i> , 2007, 20, 21-29.	1.0	31
85	Fiber interactions and effective elasto-plastic properties of short-fiber composites. <i>Composite Structures</i> , 2001, 54, 523-528.	3.1	30
86	Crack branch in piezoelectric bimaterial system. <i>International Journal of Engineering Science</i> , 2000, 38, 673-693.	2.7	29
87	Modelling the effective elasto-plastic properties of unidirectional composites reinforced by fibre bundles under transverse tension and shear loading. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 344, 140-145.	2.6	29
88	METHOD OF FUNDAMENTAL SOLUTIONS FOR NONLINEAR SKIN BIOHEAT MODEL. <i>Journal of Mechanics in Medicine and Biology</i> , 2014, 14, 1450060.	0.3	29
89	A nano universal joint made from curved double-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2015, 106, 241907.	1.5	29
90	Winding a nanotube from black phosphorus nanoribbon onto a CNT at low temperature: A molecular dynamics study. <i>Materials and Design</i> , 2017, 121, 406-413.	3.3	29

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91	A dual-level method of fundamental solutions for three-dimensional exterior high frequency acoustic problems. <i>Applied Mathematical Modelling</i> , 2018, 63, 558-576.	2.2	29
92	Thermoelectroelastic solution for elliptic inclusions and application to crack-inclusion problems. <i>Applied Mathematical Modelling</i> , 2000, 25, 1-23.	2.2	28
93	Anisotropic surface effects on the formation of chiral morphologies of nanomaterials. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 609-633.	1.0	28
94	Local corrosion behaviour of hybrid laser-MIG welded Al-Zn-Mg alloy joints. <i>Materials and Design</i> , 2015, 88, 1353-1365.	3.3	28
95	Over-Speeding Rotational Transmission of a Carbon Nanotube-Based Bearing. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5797-5803.	1.5	28
96	A modified dual-level fast multipole boundary element method based on the Burton-Miller formulation for large-scale three-dimensional sound field analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 340, 121-146.	3.4	27
97	BEM of postbuckling analysis of thin plates. <i>Applied Mathematical Modelling</i> , 1990, 14, 544-548.	2.2	26
98	Green's functions of magneto-electroelastic solids with a half-plane boundary or bimaterial interface. <i>Philosophical Magazine Letters</i> , 2004, 84, 771-779.	0.5	26
99	Formulation of hybrid Trefftz finite element method for elastoplasticity. <i>Applied Mathematical Modelling</i> , 2005, 29, 235-252.	2.2	26
100	Special fiber elements for thermal analysis of fiber-reinforced composites. <i>Engineering Computations</i> , 2011, 28, 1079-1097.	0.7	26
101	Fabrication and cyto-compatibility of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /graphene-CdTe QDs/CS nanocomposites for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 466-472.	2.5	26
102	Rotation measurements of a thermally driven rotary nanomotor with a spring wing. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22478-22486.	1.3	26
103	Effects of size and surface on the auxetic behaviour of monolayer graphene kirigami. <i>Scientific Reports</i> , 2016, 6, 35157.	1.6	26
104	Recent Patents in Additive Manufacturing of Continuous Fiber Reinforced Composites. <i>Recent Patents on Mechanical Engineering</i> , 2019, 12, 25-36.	0.2	26
105	Thermo-viscoelastic analysis of biological tissue during hyperthermia treatment. <i>Applied Mathematical Modelling</i> , 2020, 79, 881-895.	2.2	26
106	Crack deflection at an interface between dissimilar piezoelectric materials. <i>International Journal of Fracture</i> , 2000, 102, 355-370.	1.1	25
107	Size effects in the fiber pullout test. <i>Composite Structures</i> , 2003, 61, 193-198.	3.1	25
108	Quasi-micromechanical damage model for brittle solids with interacting microcracks. <i>Mechanics of Materials</i> , 2004, 36, 261-273.	1.7	25

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109	Preparation of magnetic and bioactive calcium zinc iron silicon oxide composite for hyperthermia treatment of bone cancer and repair of bone defects. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 721-729.	1.7	25
110	A YIELD CRITERION AND PLASTIC ANALYSIS FOR PHYSICALLY ASYMMETRIC SANDWICH BEAM WITH METAL FOAM CORE. <i>International Journal of Applied Mechanics</i> , 2013, 05, 1350037.	1.3	25
111	Micro-mechanical analysis of composite materials by BEM. <i>Engineering Analysis With Boundary Elements</i> , 2004, 28, 919-926.	2.0	24
112	Multi-scale study of the strength and toughness of carbon nanotube fiber materials. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 549, 118-122.	2.6	24
113	A new insight into ductile fracture of ultrafine-grained Al-Mg alloys. <i>Scientific Reports</i> , 2015, 5, 9568.	1.6	24
114	Effect of infiltration time on the microstructure and mechanical properties of C/C-SiC composite prepared by Si-Zr10 alloyed melt infiltration. <i>Ceramics International</i> , 2015, 41, 4014-4020.	2.3	24
115	Optimal layout of multiple bi-modulus materials. <i>Structural and Multidisciplinary Optimization</i> , 2016, 53, 801-811.	1.7	24
116	Modelling and Characterization of Effective Thermal Conductivity of Single Hollow Glass Microsphere and Its Powder. <i>Materials</i> , 2018, 11, 133.	1.3	24
117	Analysis solution method for 3D planar crack problems of two-dimensional hexagonal quasicrystals with thermal effects. <i>Applied Mathematical Modelling</i> , 2019, 69, 648-664.	2.2	24
118	On the real-time atomistic deformation of nano twinned CrCoFeNi high entropy alloy. <i>Nanotechnology</i> , 2020, 31, 385705.	1.3	24
119	Experimental analysis for the effect of dynamic capillarity on stress transformation in porous silicon. <i>Applied Physics Letters</i> , 2008, 92, 041906.	1.5	23
120	Post-buckling solutions of hyper-elastic beam by canonical dual finite element method. <i>Mathematics and Mechanics of Solids</i> , 2014, 19, 659-671.	1.5	23
121	A new special coating/fiber element for analyzing effect of interface on thermal conductivity of composites. <i>Applied Mathematics and Computation</i> , 2015, 268, 311-321.	1.4	23
122	Reactive melt infiltration fabrication of C/C-SiC composite: Wetting and infiltration. <i>Ceramics International</i> , 2016, 42, 17174-17178.	2.3	23
123	Application of hybrid Trefftz finite element method to non-linear problems of minimal surface. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 1262-1277.	1.5	22
124	Solving the nonlinear Poisson-type problems with F-Trefftz hybrid finite element model. <i>Engineering Analysis With Boundary Elements</i> , 2012, 36, 39-46.	2.0	22
125	Study on Utilization of Carboxyl Group Decorated Carbon Nanotubes and Carbonation Reaction for Improving Strengths and Microstructures of Cement Paste. <i>Nanomaterials</i> , 2016, 6, 153.	1.9	22
126	Hybrid laser welding of dissimilar aluminum alloys: welding processing, microstructure, properties and modelling. <i>Journal of Manufacturing Processes</i> , 2020, 56, 295-305.	2.8	22



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127	Novel Planar Auxetic Metamaterial Perforated with Orthogonally Aligned Oval-Shaped Holes and Machine Learning Solutions. <i>Advanced Engineering Materials</i> , 2021, 23, 2100102.	1.6	22
128	Comparison Among Different Modeling Techniques of 3D Micromechanical Modeling of Damage in Unidirectional Composites. <i>Advanced Science Letters</i> , 2011, 4, 400-407.	0.2	22
129	Study on the dynamics responses of a transmission system made from carbon nanotubes. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	21
130	Modeling and prediction for the thrust on EPB TBMs under different geological conditions by considering mechanical decoupling. <i>Science China Technological Sciences</i> , 2016, 59, 1428-1434.	2.0	21
131	Nelder-Mead Optimization of Elastic Metamaterials via Machine-Learning-Aided Surrogate Modeling. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050011.	1.3	21
132	Material properties of piezoelectric composites by BEM and homogenization method. <i>Composite Structures</i> , 2004, 66, 295-299.	3.1	20
133	Anti-plane shear crack in a magneto-electroelastic layer sandwiched between dissimilar half spaces. <i>Engineering Fracture Mechanics</i> , 2007, 74, 1139-1147.	2.0	20
134	Analysis of wave band gaps in mechanical metamaterial based on Nelder-Mead method. <i>Engineering Analysis With Boundary Elements</i> , 2019, 103, 109-115.	2.0	20
135	Experimental and computational modeling of thermal conductivity of cementitious syntactic foams filled with hollow glass microspheres. <i>Construction and Building Materials</i> , 2020, 265, 120739.	3.2	20
136	Strength and stability analysis of a single-walled black phosphorus tube under axial compression. <i>Nanotechnology</i> , 2016, 27, 275701.	1.3	19
137	Dynamic behavior of a black phosphorus and carbon nanotube composite system. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 025304.	1.3	19
138	A homogenization function method for inverse heat source problems in 3D functionally graded materials. <i>Applied Mathematical Modelling</i> , 2021, 91, 923-933.	2.2	19
139	A novel planar auxetic phononic crystal with periodic cookie-shaped cellular microstructures. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 3345-3358.	1.5	19
140	Design of elastic metamaterials with ultra-wide low-frequency stopbands via quantitative local resonance analysis. <i>Thin-Walled Structures</i> , 2021, 165, 107969.	2.7	19
141	Eigenstrain formulation of boundary integral equations for modeling particle-reinforced composites. <i>Engineering Analysis With Boundary Elements</i> , 2009, 33, 410-419.	2.0	18
142	Surface effects on the elasticity of nanosprings. <i>Europhysics Letters</i> , 2010, 92, 16002.	0.7	18
143	Three Boundary Meshless Methods for Heat Conduction Analysis in Nonlinear FGMs with Kirchhoff and Laplace Transformation. <i>Advances in Applied Mathematics and Mechanics</i> , 2012, 4, 519-542.	0.7	18
144	Topological shape optimization of multifunctional tissue engineering scaffolds with level set method. <i>Structural and Multidisciplinary Optimization</i> , 2016, 54, 333-347.	1.7	18

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145	Self-Assembly of a Jammed Black Phosphorus Nanoribbon on a Fixed Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10174-10181.	1.5	18
146	An exponential law for stretchingâ€“relaxation properties of bone piezovoltages. <i>International Journal of Solids and Structures</i> , 2011, 48, 603-610.	1.3	17
147	Hybrid fundamental-solution-based FEM for piezoelectric materials. <i>Computational Mechanics</i> , 2012, 50, 397-412.	2.2	17
148	Molecular dynamics study on welding a defected graphene by a moving fullerene. <i>Applied Surface Science</i> , 2016, 377, 213-220.	3.1	17
149	Helical Fiber Pull-out in Biological Materials. <i>Acta Mechanica Solida Sinica</i> , 2016, 29, 245-256.	1.0	17
150	Time-dependent behavior of layered magneto-electro-elastic cylindrical shell with viscoelastic interlayer. <i>Composite Structures</i> , 2018, 200, 874-885.	3.1	17
151	The fabrication of long carbon fiber reinforced polylactic acid composites via fused deposition modelling: Experimental analysis and machine learning. <i>Journal of Composite Materials</i> , 2021, 55, 1459-1472.	1.2	17
152	Dual variational formulation for Trefftz finite element method of elastic materials. <i>Mechanics Research Communications</i> , 2004, 31, 321-330.	1.0	16
153	Virtual boundary element integral method for 2-D piezoelectric media. <i>Finite Elements in Analysis and Design</i> , 2005, 41, 875-891.	1.7	16
154	Saint-Venant decay analysis of FGPM laminates and dissimilar piezoelectric laminates. <i>Mechanics of Materials</i> , 2007, 39, 1053-1065.	1.7	16
155	Hybrid Graded Element Model for Nonlinear Functionally Graded Materials. <i>Mechanics of Advanced Materials and Structures</i> , 2012, 19, 590-602.	1.5	16
156	A method for measuring rotation of a thermal carbon nanomotor using centrifugal effect. <i>Scientific Reports</i> , 2016, 6, 27338.	1.6	16
157	A novel oscillator based on heterogeneous carbon@MoS <sub>2</sub> nanotubes. <i>Nano Research</i> , 2016, 9, 1775-1784.	5.8	16
158	Microstructure versus size: nano/microscale deformation of solute-strengthening Al alloys via pillar compression tests. <i>Materials Research Letters</i> , 2019, 7, 53-59.	4.1	16
159	Interlayer stress in laminate beam of piezoelectric and elastic materials. <i>Composite Structures</i> , 2006, 75, 587-592.	3.1	15
160	A moving crack in a rectangular magneto-electro-elastic body. <i>Engineering Fracture Mechanics</i> , 2007, 74, 751-770.	2.0	15
161	Chirality Transfer from Molecular to Morphological Scales in Quasi-One-Dimensional Nanomaterials: A Continuum Model. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 1278-1287.	0.4	15
162	A FUNDAMENTAL SOLUTION-BASED FINITE ELEMENT MODEL FOR ANALYZING MULTI-LAYER SKIN BURN INJURY. <i>Journal of Mechanics in Medicine and Biology</i> , 2012, 12, 1250027.	0.3	15

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163	Advanced Mechanics of Piezoelectricity. , 2013, , .		15
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