# Junhua Zhao

List of Publications by Year
in descending order

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| | | 136885 | 110317 |
|---|---|---|---|
| 142 | 4,699 | 32 | 64 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 143 | 143 | 143 | 5069 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ultrafast viscous water flow through nanostrand-channelled graphene oxide membranes. Nature Communications, 2013, 4, 2979. | 5.8 | 673 |
| 2 | Understanding Water Permeation in Graphene Oxide Membranes. ACS Applied Materials & Interfaces, 2014, 6, 5877-5883. | 4.0 | 415 |
| 3 | Strain engineering of thermal conductivity in graphene sheets and nanoribbons: a demonstration of magic flexibility. Nanotechnology, 2011, 22, 105705. | 1.3 | 346 |
| 4 | Wetting of Graphene Oxide: A Molecular Dynamics Study. Langmuir, 2014, 30, 3572-3578. | 1.6 | 190 |
| 5 | Breakdown of fast water transport in graphene oxides. Physical Review E, 2014, 89, 012113. | 0.8 | 164 |
| 6 | Thermal conductivities of single- and multi-layer phosphorene: a molecular dynamics study. Nanoscale, 2016, 8, 483-491. | 2.8 | 159 |
| 7 | Influence of thermostatting on nonequilibrium molecular dynamics simulations of heat conduction in solids. Journal of Chemical Physics, 2019, 151, 234105. | 1.2 | 126 |
| 8 | Stochastic predictions of bulk properties of amorphous polyethylene based on molecular dynamics simulations. Mechanics of Materials, 2014, 68, 70-84. | 1.7 | 118 |
| 9 | A theoretical analysis of cohesive energy between carbon nanotubes, graphene and substrates. Carbon, 2013, 57, 108-119. | 5.4 | 99 |
| 10 | Interfacial thermal conductance in graphene/black phosphorus heterogeneous structures. Carbon, 2017, 117, 399-410. | 5.4 | 85 |
| 11 | The mechanical properties of three types of carbon allotropes. Nanotechnology, 2013, 24, 095702. | 1.3 | 79 |
| 12 | Temperature-dependent mechanical properties of monolayer black phosphorus by molecular dynamics simulations. Applied Physics Letters, 2015, 107, . | 1.5 | 73 |
| 13 | Thermal conductivity of graphene kirigami: Ultralow and strain robustness. Carbon, 2016, 104, 203-213. | 5.4 | 69 |
| 14 | Coarse-grained potentials of single-walled carbon nanotubes. Journal of the Mechanics and Physics of Solids, 2014, 71, 197-218. | 2.3 | 61 |
| 15 | Thermal Conductivity of Defective Graphene Oxide: A Molecular Dynamic Study. Molecules, 2019, 24, 1103. | 1.7 | 59 |
| 16 | Thermal conductivity of graphene nanoribbons under shear deformation: A molecular dynamics simulation. Scientific Reports, 2017, 7, 41398. | 1.6 | 53 |
| 17 | Study on the impact resistance of honeycomb sandwich structures under low-velocity/heavy mass. Composite Structures, 2019, 226, 111223. | 3.1 | 51 |
| 18 | The Influence of Crosslink Density on the Failure Behavior in Amorphous Polymers by Molecular Dynamics Simulations. Materials, 2016, 9, 234. | 1.3 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The in-plane and out-of-plane stress constraint factors and Kâ˜†Tâ˜†Tz description of stress field near the border of a semi-elliptical surface crack. International Journal of Fatigue, 2007, 29, 435-443. | 2.8 | 44 |
| 20 | Thermal conductivity of a h-BCN monolayer. Physical Chemistry Chemical Physics, 2017, 19, 27326-27331. | 1.3 | 44 |
| 21 | Recent progress in the development of thermal interface materials: a review. Physical Chemistry Chemical Physics, 2021, 23, 753-776. | 1.3 | 44 |
| 22 | The influence of Poissonâ€™s ratio on thickness-dependent stress concentration at elliptic holes in elastic plates. International Journal of Fatigue, 2008, 30, 165-171. | 2.8 | 43 |
| 23 | Effects of the dispersion of polymer wrapped two neighbouring single walled carbon nanotubes (SWNTs) on nanoengineering load transfer. Composites Part B: Engineering, 2013, 45, 1714-1721. | 5.9 | 43 |
| 24 | Thermal conductivity dependence on chain length in amorphous polymers. Journal of Applied Physics, 2013, 113, . | 1.1 | 42 |
| 25 | Tension-induced phase transition of single-layer molybdenum disulphide (MoS2) at low temperatures. Nanotechnology, 2014, 25, 295701. | 1.3 | 42 |
| 26 | A stable high-speed rotational transmission system based on nanotubes. Applied Physics Letters, 2015, 106, . | 1.5 | 38 |
| 27 | Loading and unloading of a spherical contact: From elastic to elasticâ€“perfectly plastic materials. International Journal of Mechanical Sciences, 2012, 56, 70-76. | 3.6 | 37 |
| 28 | An analytical solution on interface debonding for large diameter carbon nanotube-reinforced composite with functionally graded variation interphase. Composite Structures, 2013, 104, 261-269. | 3.1 | 37 |
| 29 | Temperature-dependent mechanical properties of single-layer molybdenum disulphide: Molecular dynamics nanoindentation simulations. Applied Physics Letters, 2013, 103, . | 1.5 | 37 |
| 30 | Novel nonlinear coarse-grained potentials of carbon nanotubes. Journal of the Mechanics and Physics of Solids, 2019, 128, 79-104. | 2.3 | 37 |
| 31 | Three-parameter approach for elasticâ€“plastic fracture of the semi-elliptical surface crack under tension. International Journal of Mechanical Sciences, 2008, 50, 1168-1182. | 3.6 | 34 |
| 32 | Unprecedented enhancement of wear resistance for epoxy-resin graphene composites. Nanoscale, 2021, 13, 2855-2867. | 2.8 | 34 |
| 33 | Thermomechanical properties dependence on chain length in bulk polyethylene: Coarse-grained molecular dynamics simulations. Journal of Materials Research, 2010, 25, 537-544. | 1.2 | 33 |
| 34 | The interface strength and debonding for composite structures: Review and recent developments. Composite Structures, 2015, 129, 8-26. | 3.1 | 32 |
| 35 | Thermal stability of a free nanotube from single-layer black phosphorus. Nanotechnology, 2016, 27, 235703. | 1.3 | 32 |
| 36 | Three-parameter Kâ€“Tâ€“Tz characterization of the crack-tip fields in compact-tension-shear specimens. Engineering Fracture Mechanics, 2012, 92, 72-88. | 2.0 | 29 |

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|---|---|---|---|
| 37 | Superior thermal conductivity and extremely high mechanical strength in polyethylene chains from ab initio calculation. Journal of Applied Physics, 2012, 111, 124304. | 1.1 | 28 |
| 38 | Thermal conductivity of carbon nanocoils. Applied Physics Letters, 2013, 103, . | 1.5 | 28 |
| 39 | Challenges of the Modeling Methods for Investigating the Interaction between the CNT and the Surrounding Polymer. Advances in Materials Science and Engineering, 2013, 2013, 1-10. | 1.0 | 27 |
| 40 | Size- and edge-effect cohesive energy and shear strength between graphene, carbon nanotubes and nanofibers: Continuum modeling and molecular dynamics simulations. Composite Structures, 2019, 208, 150-167. | 3.1 | 27 |
| 41 | Atomic structure causing an obvious difference in thermal conductance at the Pdâ€“H<sub>2</sub>O interface: a molecular dynamics simulation. Nanoscale, 2020, 12, 17870-17879. | 2.8 | 27 |
| 42 | High-precision resistance strain sensors of multilayer composite structure via direct ink writing: Optimized layer flatness and interfacial strength. Composites Science and Technology, 2021, 201, 108530. | 3.8 | 26 |
| 43 | Three-dimensional stress fields near notches and cracks. International Journal of Fracture, 2008, 151, 151-160. | 1.1 | 24 |
| 44 | A comparative study of two molecular mechanics models based on harmonic potentials. Journal of Applied Physics, 2013, 113, . | 1.1 | 23 |
| 45 | 3D flexible water channel: stretchability of nanoscale water bridge. Nanoscale, 2016, 8, 5676-5681. | 2.8 | 23 |
| 46 | Knitted graphene-nanoribbon sheet: a mechanically robust structure. Nanoscale, 2012, 4, 785-791. | 2.8 | 22 |
| 47 | The Lightweight Design of a Seismic Low-Yield-Strength Steel Shear Panel Damper. Materials, 2016, 9, 424. | 1.3 | 22 |
| 48 | The interface strength and delamination of fiber-reinforced composites using a continuum modeling approach. Composites Part B: Engineering, 2018, 137, 225-234. | 5.9 | 22 |
| 49 | Study on the dynamics responses of a transmission system made from carbon nanotubes. Journal of Applied Physics, 2015, 117, . | 1.1 | 21 |
| 50 | Nanoconfined Water Dynamics in Multilayer Graphene Nanopores. Journal of Physical Chemistry C, 2020, 124, 17819-17828. | 1.5 | 21 |
| 51 | Highly Regulatable Heat Conductance of Grapheneâ€“Sericin Hybrid for Responsive Textiles. Advanced Functional Materials, 2022, 32, . | 7.8 | 21 |
| 52 | Three-parameter approach for elasticâ€“plastic stress field of an embedded elliptical crack. Engineering Fracture Mechanics, 2009, 76, 2429-2444. | 2.0 | 20 |
| 53 | A theoretical analysis of interface debonding for coated sphere with functionally graded interphase. Composite Structures, 2014, 117, 288-297. | 3.1 | 20 |
| 54 | Continuum modeling of the cohesive energy for the interfaces between films, spheres, coats and substrates. Computational Materials Science, 2015, 96, 432-438. | 1.4 | 20 |

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|---|---|---|---|
| 55 | High-sensitive and stretchable resistive strain gauges: Parametric design and DIW fabrication. Composite Structures, 2019, 223, 110955. | 3.1 | 20 |
| 56 | Strength and stability analysis of a single-walled black phosphorus tube under axial compression. Nanotechnology, 2016, 27, 275701. | 1.3 | 19 |
| 57 | Thermal rectification of graphene on substrates with inhomogeneous stiffness. Carbon, 2019, 154, 81-89. | 5.4 | 19 |
| 58 | Buckling behaviors of metal nanowires encapsulating carbon nanotubes by considering surface/interface effects from a refined beam model. Carbon, 2019, 141, 348-362. | 5.4 | 19 |
| 59 | The tensile and shear failure behavior dependence on chain length and temperature in amorphous polymers. Computational Materials Science, 2015, 96, 567-572. | 1.4 | 18 |
| 60 | Wrinkling behavior of graphene on substrates with different surface morphologies. Mechanics of Materials, 2019, 137, 103144. | 1.7 | 18 |
| 61 | Unusual thermal properties of graphene origami crease: A molecular dynamics study. Green Energy and Environment, 2022, 7, 86-94. | 4.7 | 18 |
| 62 | Three dimensional K-Tz stress fields around the embedded center elliptical crack front in elastic plates. Acta Mechanica Sinica/Lixue Xuebao, 2006, 22, 148-155. | 1.5 | 17 |
| 63 | Size-dependent elastic properties of crystalline polymers via a molecular mechanics model. Applied Physics Letters, 2011, 99, . | 1.5 | 17 |
| 64 | Binding energy and mechanical stability of single- and multi-walled carbon nanotube serpentines. Journal of Chemical Physics, 2014, 140, 204704. | 1.2 | 17 |
| 65 | Large stretchability and failure mechanism of graphene kirigami under tension. Soft Matter, 2017, 13, 8930-8939. | 1.2 | 16 |
| 66 | Additive manufacturing of elastomeric foam with cell unit design for broadening compressive stress plateau. Rapid Prototyping Journal, 2018, 24, 1579-1585. | 1.6 | 15 |
| 67 | Finite element analysis and molecular dynamics simulations of nanoscale crack-hole interactions in chiral graphene nanoribbons. Engineering Fracture Mechanics, 2019, 218, 106571. | 2.0 | 15 |
| 68 | Size-dependent mechanical behavior of nanoscale polymer particles through coarse-grained molecular dynamics simulation. Nanoscale Research Letters, 2013, 8, 541. | 3.1 | 14 |
| 69 | Quasi-analytical solution for the stable system of the multi-layer folded graphene wrinkles. Journal of Applied Physics, 2013, 114, 063511. | 1.1 | 14 |
| 70 | Buckling behaviour of composites with double walled nanotubes from carbon and phosphorus. Physical Chemistry Chemical Physics, 2017, 19, 10922-10930. | 1.3 | 14 |
| 71 | Molecular Insights into the Abnormal Wetting Behavior of Ionic Liquids Induced by the Solidified Ionic Layer. Industrial & Engineering Chemistry Research, 2020, 59, 8028-8036. | 1.8 | 14 |
| 72 | The in-plane and out-of-plane stress constraint factors and K-T-Tzdescription of stress fields near the border of a quarter-elliptical corner crack. Fatigue and Fracture of Engineering Materials and Structures, 2007, 30, 673-681. | 1.7 | 13 |

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|---|---|---|---|
| 73 | Nonlinear vibrations of circular single-layer black phosphorus resonators. Applied Physics Letters, 2018, 113, . | 1.5 | 13 |
| 74 | Modulating mechanical anisotropy of two-dimensional materials by controlling their defects. Carbon, 2020, 158, 77-88. | 5.4 | 13 |
| 75 | Strain rate effects on dynamic tensile properties of open-hole composite laminates. Composites Communications, 2020, 19, 226-232. | 3.3 | 13 |
| 76 | Arbitrary-shape-adaptable strain sensor array with optimized circuit layout via direct-ink-writing: Scalable design and hierarchical printing. Materials and Design, 2022, 214, 110388. | 3.3 | 13 |
| 77 | Thermal conductivity of Aluminum/Graphene metal-matrix composites: From the thermal boundary conductance to thermal regulation. Materials Today Communications, 2022, 30, 103147. | 0.9 | 13 |
| 78 | Elasticity of Single-Crystal Calcite by First-Principles Calculations. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1181-1188. | 0.4 | 12 |
| 79 | Defect-activated self-assembly of multilayered graphene paper: a mechanically robust architecture with high strength. Journal of Materials Chemistry A, 2013, 1, 2002-2010. | 5.2 | 12 |
| 80 | Binding energy and mechanical stability of two parallel and crossing carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150229. | 1.0 | 12 |
| 81 | Thermal Transport in Graphene Oxide Films: Theoretical Analysis and Molecular Dynamics Simulation. Nanomaterials, 2020, 10, 285. | 1.9 | 12 |
| 82 | A heat and force locating sensor with nanoscale precision: a knitted graphene sheet. Nanoscale, 2021, 13, 5826-5833. | 2.8 | 12 |
| 83 | The Vibration of a Linear Carbon Chain in Carbon Nanotubes. Materials, 2017, 10, 478. | 1.3 | 11 |
| 84 | Efficient selection methods for black phosphorene nanoribbons. Nanoscale, 2018, 10, 4385-4390. | 2.8 | 11 |
| 85 | Fracture properties of nanoscale single-crystal silicon plates: Molecular dynamics simulations and finite element method. Engineering Fracture Mechanics, 2018, 202, 1-19. | 2.0 | 11 |
| 86 | Buckling behaviors of single-walled carbon nanotubes inserted with a linear carbon-atom chain. Nanotechnology, 2018, 29, 335704. | 1.3 | 11 |
| 87 | Crease-induced targeted cutting and folding of graphene origami. Carbon, 2020, 165, 259-266. | 5.4 | 11 |
| 88 | Huge stretchability and reversibility of helical graphenes using molecular dynamics simulations and simplified theoretical models. Mechanics of Materials, 2021, 153, 103683. | 1.7 | 11 |
| 89 | An analytical molecular mechanics model for the elastic properties of crystalline polyethylene. Journal of Applied Physics, 2012, 112, 033516. | 1.1 | 10 |
| 90 | Elastic T-stress and I-II mixed mode stress intensity factors for a through-wall crack in an inner-pressured pipe. International Journal of Pressure Vessels and Piping, 2018, 159, 67-72. | 1.2 | 10 |

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|---|---|---|---|
| 91 | Thermal Conductivity of Two Types of 2D Carbon Allotropes: a Molecular Dynamics Study. Nanoscale Research Letters, 2019, 14, 7. | 3.1 | 10 |
| 92 | Strain engineering for thermal conductivity of diamond nanothread forests. Journal Physics D: Applied Physics, 2019, 52, 085301. | 1.3 | 9 |
| 93 | Three-parameter description of the stress field near the border of an embedded elliptical crack. Acta Mechanica, 2007, 190, 29-44. | 1.1 | 8 |
| 94 | A theoretical analysis of peeling behavior between nanowires and substrates in the ambient condition with high relative humidity. Mechanics of Materials, 2017, 114, 243-253. | 1.7 | 8 |
| 95 | The chirality-dependent fracture properties of single-layer graphene sheets: Molecular dynamics simulations and finite element method. Journal of Applied Physics, 2017, 122, . | 1.1 | 8 |
| 96 | Local strain field engineering on interfacial thermal resistance of graphene nanoribbon. Applied Physics Letters, 2018, 112, . | 1.5 | 8 |
| 97 | Constitutive modeling of neo-Hookean materials with spherical voids in finite deformation. Extreme Mechanics Letters, 2018, 24, 47-57. | 2.0 | 8 |
| 98 | Thermo-mechanical vibration of a single-layer graphene sheet and a single-walled carbon nanotube on a substrate. Journal of Applied Physics, 2017, 121, . | 1.1 | 7 |
| 99 | Loading direction-dependent shear behavior at different temperatures of single-layer chiral graphene sheets. Acta Mechanica Sinica/Lixue Xuebao, 2018, 34, 542-548. | 1.5 | 7 |
| 100 | Improvements of mechanical properties of multilayer open-hole graphene papers. Journal of Applied Physics, 2019, 126, 104301. | 1.1 | 7 |
| 101 | Size-sensitive Youngâ€™s modulus of kinked silicon nanowires. Nanotechnology, 2013, 24, 185702. | 1.3 | 6 |
| 102 | Does Hooke's law work in helical nanosprings?. Physical Chemistry Chemical Physics, 2015, 17, 20990-20997. | 1.3 | 6 |
| 103 | Plastic Behavior of Metallic Damping Materials under Cyclical Shear Loading. Materials, 2016, 9, 496. | 1.3 | 6 |
| 104 | The Young's moduli of three types of carbon allotropes: a molecular mechanics model and a finite-element method. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150628. | 1.0 | 6 |
| 105 | The peeling behavior of nanowires and carbon nanotubes from a substrate using continuum modeling. Journal of Applied Physics, 2017, 121, . | 1.1 | 6 |
| 106 | Fracture Toughnesses and Crack Growth Angles of Single-Layer Graphyne Sheets. Acta Mechanica Solida Sinica, 2019, 32, 339-355. | 1.0 | 6 |
| 107 | Water flow inside various geometric nano-confinement channels. Physical Chemistry Chemical Physics, 2020, 22, 24633-24639. | 1.3 | 6 |
| 108 | Computational Study on Strain-Engineered Graphene Nanopores for Selective Gas Separation. ACS Applied Nano Materials, 2020, 3, 11474-11480. | 2.4 | 6 |

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| 109 | Coarse-Grained Potentials of Poly(vinyl alcohol)/Graphene Oxide Interfaces. Macromolecules, 2022, 55, 1104-1119. | 2.2 | 6 |
| 110 | Coarse-Grained Molecular Dynamics Simulations on Size Effect of Glassy Polyethylene Particles. Journal of Nanoscience and Nanotechnology, 2010, 10, 7340-7342. | 0.9 | 5 |
| 111 | Superhigh moduli and tension-induced phase transition of monolayer gamma-boron at finite temperatures. Scientific Reports, 2016, 6, 23233. | 1.6 | 5 |
| 112 | Nonlinear vibrations of helical graphene resonators in the dynamic nano-indentation testing. Nanotechnology, 2020, 31, 025709. | 1.3 | 5 |
| 113 | Mechanical properties of CNT-reinforced Ni3Al composites: the role of chirality, temperature, and volume fraction. Journal of Physics Condensed Matter, 2020, 32, 205301. | 0.7 | 5 |
| 114 | Shear properties of the liquid bridge between two graphene films using a refined molecular kinetics theory and molecular dynamics simulations. Mechanics of Materials, 2019, 137, 103124. | 1.7 | 4 |
| 115 | Influence of adhesion strength on cavitation erosion resistance of diamond-like carbon coating. Industrial Lubrication and Tribology, 2019, 71, 724-730. | 0.6 | 4 |
| 116 | A black phosphorus nanoconveyor belt system. Applied Physics Letters, 2019, 115, . | 1.5 | 4 |
| 117 | Fracture behavior dependent on crack-tip shapes in nanoscale crack-defect monolayer boron nitride sheets. International Journal of Smart and Nano Materials, 2021, 12, 36-48. | 2.0 | 4 |
| 118 | Interlayer shear coupling in bilayer graphene. Npj 2D Materials and Applications, 2022, 6, . | 3.9 | 4 |
| 119 | Mechanotunable monatomic metal structures at graphene edges. Physical Chemistry Chemical Physics, 2014, 16, 10295. | 1.3 | 3 |
| 120 | The vibration of nanosprings affected by van der Waals interactions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160242. | 1.0 | 3 |
| 121 | High ductile fracture of a low-yield-strength steel with a part-through curve crack. Acta Mechanica, 2019, 230, 319-331. | 1.1 | 3 |
| 122 | Bubbleâ€“bubble interaction effects on multiple bubbles dynamics in an ultrasonic cavitation field. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 1051-1060. | 1.0 | 3 |
| 123 | Tuning graphene thermal modulator by rotating. International Journal of Smart and Nano Materials, 2020, 11, 310-323. | 2.0 | 3 |
| 124 | Strain-Rate Effect on the Stress and Strain Concentration in a Visco-Plastic Plate With An Elliptic Hole. International Journal of Steel Structures, 2020, 20, 1256-1267. | 0.6 | 3 |
| 125 | Nonlinear vibrations of carbon chain resonators tuned by temperature. Materials Research Express, 2017, 4, 105026. | 0.8 | 2 |
| 126 | Finite Element Simulations of Dynamic Fracture of Full-Scale Gas Transmission Pipelines. Acta Mechanica Solida Sinica, 2018, 31, 357-368. | 1.0 | 2 |

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|---|---|---|---|
| 127 | A modified direct measurement of shear moduli of two-dimensional materials. Journal of Applied Physics, 2018, 124, . | 1.1 | 2 |
| 128 | Thermo-breathing vibration of carbon nanoscrolls. Journal of Applied Physics, 2019, 126, 014301. | 1.1 | 2 |
| 129 | Flexural Wave Propagation in Mass Chain-Filled Carbon Nanotubes. Materials, 2019, 12, 2986. | 1.3 | 2 |
| 130 | Numerical study of thermal conductivity based on phosphorene anisotropy: Including [110] direction and related phosphorus nanotubes. Materials Today Communications, 2020, 22, 100814. | 0.9 | 2 |
| 131 | Stabilities and catapults of truncated carbon nanocones. Nanotechnology, 2021, 32, 185705. | 1.3 | 2 |
| 132 | An anti-shrinkage model of an ultraviolet-curing coating filled with hollow polyurethane acrylate microspheres. Mechanics of Materials, 2021, 163, 104091. | 1.7 | 2 |
| 133 | Surface effect induced thickness-dependent stress intensity factors of nano-thickness cracked metal plates. Engineering Fracture Mechanics, 2022, 261, 108235. | 2.0 | 2 |
| 134 | Revealing Density Thresholds of Carbon Nanotube Cross-Links for Load Transfer: A Graph Theory Strategy. ACS Nano, 2022, 16, 6929-6936. | 7.3 | 2 |
| 135 | A nonlinear continuum model of van der Waals interactions in crystalline polymers. Acta Mechanica, 2015, 226, 3495-3499. | 1.1 | 1 |
| 136 | Interfacial thermal conductance of buckling carbon nanotubes. AIP Advances, 2018, 8, 065116. | 0.6 | 1 |
| 137 | Failure mode transformation of ZnO nanowires under uniaxial compression: from phase transition to buckling. Nanotechnology, 2019, 30, 375702. | 1.3 | 1 |
| 138 | Effect of T-Shape Shoulder Fillet on the Plastic Deformation Properties of SS400 and LYS160 Steel. Materials, 2020, 13, 1528. | 1.3 | 1 |
| 139 | Accurate prediction of shear buckling capacity of low-yield-strength steel considering plastic deformations. Journal of Constructional Steel Research, 2020, 172, 106183. | 1.7 | 1 |
| 140 | An analogous ellipse equation for describing the coupling relationship of friction and adhesion between a probe tip and graphene. Mechanics of Materials, 2021, 156, 103791. | 1.7 | 1 |
| 141 | A theoretical study on three long-range interactions between two nanoparticles under the humid condition. Journal of Applied Physics, 2020, 128, 095107. | 1.1 | 0 |
| 142 | Strain-rate-dependent constitutive and damage models for a low-yielding-strength steel under dynamic loadings. Journal of Mechanical Science and Technology, 2021, 35, 4405-4417. | 0.7 | 0 |