# Yuzhou Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/528775/publications.pdf

Version: 2024-02-01

| 29 | 528 | 759055 12 | 642610 23 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 29 | 29 | 29 | 266 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Multiscale Model to Study the Mechanical Properties of the Graphene, Boron Nitride and Silicon Carbide Hexagonal Nanosheets. Current Mechanics and Advanced Materials, 2021, 1, 66-73. | 0.1 | 0 |
| 2 | Modeling of thermo-mechanical fracture behaviors based on cohesive segments formulation. Engineering Analysis With Boundary Elements, 2017, 77, 81-88. | 2.0 | 4 |
| 3 | A mesh-free vibration analysis of strain gradient nano-beams. Engineering Analysis With Boundary Elements, 2017, 84, 231-236. | 2.0 | 25 |
| 4 | A New and Efficient Boundary Element-Free Method for 2-D Crack Problems. Mathematical Problems in Engineering, 2017, 2017, 1-9. | 0.6 | 2 |
| 5 | The Elastic Property of Bulk Silicon Nanomaterials through an Atomic Simulation Method. Journal of Nanomaterials, 2016, 2016, 1-6. | 1.5 | 1 |
| 6 | The application of the mesh-free method in the numerical simulations of the higher-order continuum structures. AIP Conference Proceedings, 2016, , . | 0.3 | 0 |
| 7 | Elastic Properties of Boron-Nitride Nanotubes through an Atomic Simulation Method. Mathematical Problems in Engineering, 2015, 2015, 1-5. | 0.6 | 7 |
| 8 | The compressive buckling and size effect of single-walled carbon nanotubes. AIP Conference Proceedings, 2015, , . | 0.3 | 0 |
| 9 | The Mechanical Properties of Tubular Nanostructures Through an Atomic Simulation Method. Nanoscience and Nanotechnology Letters, 2015, 7, 648-654. | 0.4 | 4 |
| 10 | The Application of Mesh-Free Method in the Numerical Simulation of Beams with the Size Effect. Mathematical Problems in Engineering, 2014, 2014, 1-6. | 0.6 | 4 |
| 11 | Effect of higher-order deformation gradients on buckling of single-walled carbon nanotubes. Composite Structures, 2014, 109, 279-285. | 3.1 | 17 |
| 12 | Higher-Order Elasticity Constants and Mesh-Free Simulation for Microtubules. Journal of Biomaterials and Tissue Engineering, 2013, 3, 630-636. | 0.0 | 2 |
| 13 | A Multiscale Model to Predict the Elastic Property of Microtubules. Journal of Computational and Theoretical Nanoscience, 2012, 9, 789-793. | 0.4 | 5 |
| 14 | Higher-order Constitutive Relationship for Microtubules Based on the Higher-order Cauchy-Born Rule. Procedia Engineering, 2012, 31, 973-978. | 1.2 | 0 |
| 15 | Analyzing interaction between coplanar square cracks using an efficient boundary elementâ€free method. International Journal for Numerical Methods in Engineering, 2012, 91, 1184-1198. | 1.5 | 4 |
| 16 | Higher-Order Continuum Model and Mesh-Free Simulation for Microtubules Under Hydrostatic Presssure. Nanoscience and Nanotechnology Letters, 2012, 4, 593-597. | 0.4 | 3 |
| 17 | Analytical solution for a deep tunnel with arbitrary cross section in a transversely isotropic rock mass. International Journal of Rock Mechanics and Minings Sciences, 2011, 48, 1359-1363. | 2.6 | 34 |
| 18 | A continuum mechanics framework and a constitutive model for predicting the orthotropic elastic properties of microtubules. Composite Structures, 2011, 93, 1809-1818. | 3.1 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Investigation of temperature effect on the mechanical properties of single-walled carbon nanotubes. Composite Structures, 2011, 93, 2208-2212. | 3.1 | 35 |
| 20 | Improvement of Teaching Mode and Its Effect on Experiments in Material Mechanics with Information Technology. Communications in Computer and Information Science, 2011, , 36-40. | 0.4 | 0 |
| 21 | A Precise Model to Predict the Structural and Elastic Properties of Single-Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2010, 7, 583-593. | 0.4 | 10 |
| 22 | Multiscale Modeling of Carbon Nanotubes. Challenges and Advances in Computational Chemistry and Physics, 2010, , 367-388. | 0.6 | 1 |
| 23 | Application of the higherâ€order Cauchyâ€“Born rule in meshâ€free continuum and multiscale simulation of carbon nanotubes. International Journal for Numerical Methods in Engineering, 2008, 75, 1238-1258. | 1.5 | 54 |
| 24 | The buckling of single-walled carbon nanotubes upon bending: The higher order gradient continuum and mesh-free method. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3001-3013. | 3.4 | 96 |
| 25 | Mesh-free simulation of single-walled carbon nanotubes using higher order Cauchyâ€“Born rule. Computational Materials Science, 2008, 42, 444-452. | 1.4 | 47 |
| 26 | Elastic properties and pressure-induced structural transitions of single-walled carbon nanotubes. Physical Review B, 2008, 77, . | 1.1 | 55 |
| 27 | Boundary element-free method for fracture analysis of 2-D anisotropic piezoelectric solids. International Journal for Numerical Methods in Engineering, 2007, 69, 729-749. | 1.5 | 33 |
| 28 | A mesh-free simulation of cracking and failure using the cohesive segments method. International Journal of Engineering Science, 2007, 45, 541-553. | 2.7 | 29 |
| 29 | Analyzing the interaction between collinear interfacial cracks by an efficient boundary element-free method. International Journal of Engineering Science, 2006, 44, 37-48. | 2.7 | 36 |