Yonggang Zheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10548017/publications.pdf

Version: 2024-02-01

18 papers	1,002 citations	687363 13 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	1755 citing authors

#	Article	IF	Citations
1	Phase-field implicit material point method with the convected particle domain interpolation for brittleâ€“ductile failure transition in geomaterials involving finite deformation. Computer Methods in Applied Mechanics and Engineering, 2022, 390, 114420.	6.6	23
2	Implicit Material Point Method with Convected Particle Domain Interpolation for Consolidation and Dynamic Analysis of Saturated Porous Media with Massive Deformation. International Journal of Applied Mechanics, 2021, 13, 2150023.	2.2	9
3	Axisymmetric Generalized Interpolation Material Point Method for Fully Coupled Thermomechanical Evaluation of Transient Responses. International Journal of Computational Methods, 2020, 17, 1950003.	1.3	1
4	Coupling lattice Boltzmann and material point method for fluidâ€solid interaction problems involving massive deformation. International Journal for Numerical Methods in Engineering, 2020, 121, 5546-5567.	2.8	6
5	Development of generalized interpolation material point method for simulating fully coupled thermomechanical failure evolution. Computer Methods in Applied Mechanics and Engineering, 2018, 332, 325-342.	6.6	24
6	Receptor-Mediated Endocytosis of Nanoparticles: Roles of Shapes, Orientations, and Rotations of Nanoparticles. Journal of Physical Chemistry B, 2018, 122, 171-180.	2.6	45
7	Time-discontinuous material point method for transient problems. Computer Methods in Applied Mechanics and Engineering, 2018, 328, 663-685.	6.6	16
8	Aggregation of nanoparticles regulated by mechanical properties of nanoparticleâ€“membrane system. Nanotechnology, 2018, 29, 405102.	2.6	13
9	Wrapping of a deformable nanoparticle by the cell membrane: Insights into the flexibility-regulated nanoparticle-membrane interaction. Journal of Applied Physics, 2016, 120, .	2.5	13
10	Adhesion and bending rigidity-mediated wrapping of carbon nanotubes by a substrate-supported cell membrane. RSC Advances, 2015, 5, 43772-43779.	3.6	5
11	Wrapping of nanoparticles by the cell membrane: the role of interactions between the nanoparticles. Soft Matter, 2015, 11, 8674-8683.	2.7	33
12	Improved convected particle domain interpolation method for coupled dynamic analysis of fully saturated porous media involving large deformation. Computer Methods in Applied Mechanics and Engineering, 2013, 257, 150-163.	6.6	40
13	Prediction of the viscosity of water confined in carbon nanotubes. Microfluidics and Nanofluidics, 2011, 10, 403-414.	2.2	71
14	Nanoconfinement induced anomalous water diffusion inside carbon nanotubes. Microfluidics and Nanofluidics, 2011, 10, 1359-1364.	2.2	53
15	Loading path effect on the mechanical behaviour and fivefold twinning of copper nanowires. Journal Physics D: Applied Physics, 2010, 43, 335402.	2.8	20
16	Penetration of Lipid Membranes by Gold Nanoparticles: Insights into Cellular Uptake, Cytotoxicity, and Their Relationship. ACS Nano, 2010, 4, 5421-5429.	14.6	571
17	Torsional properties of metallic nanosprings. Acta Mechanica Solida Sinica, 2009, 22, 657-664.	1.9	2
18	Atomistic study of the mechanical response of copper nanowires under torsion. Journal Physics D: Applied Physics, 2009, 42, 135408.	2.8	57