

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