

Zheng Sun

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

203
citations

1162889

8
h-index

1058333

14
g-index

22
all docs

22
docs citations

22
times ranked

170
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of the material point method using B-spline basis functions. International Journal for Numerical Methods in Engineering, 2018, 113, 411-431.	1.5	91
2	Extensional vibration and size-dependent mechanical properties of single-crystal gold nanorods. Journal of Applied Physics, 2015, 118, .	1.1	10
3	A local grid refinement scheme for B-spline material point method. International Journal for Numerical Methods in Engineering, 2020, 121, 2398-2417.	1.5	10
4	Quantitative assessment of landslide risk using Monte Carlo material point method. Engineering Computations, 2019, 37, 1577-1596.	0.7	9
5	Effect of Particle Size and Solution Leaching on Water Retention Behavior of Ion-Absorbed Rare Earth. Geofluids, 2020, 2020, 1-14.	0.3	9
6	Short-pulse laser formation of monatomic metallic glass in tantalum nanowire. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	8
7	Material point method and smoothed particle hydrodynamics simulations of fluid flow problems: a comparative study. Progress in Computational Fluid Dynamics, 2018, 18, 1.	0.1	8
8	Hydro-mechanical coupled B-spline material point method for large deformation simulation of saturated soils. Engineering Analysis With Boundary Elements, 2021, 133, 330-340.	2.0	8
9	Breathing mode vibrations and elastic properties of single-crystal and penta-twinned gold nanorods. Physical Chemistry Chemical Physics, 2016, 18, 22590-22598.	1.3	7
10	Benchmarking the material point method for interaction problems between the free surface flow and elastic structure. Progress in Computational Fluid Dynamics, 2019, 19, 1.	0.1	7
11	An improved quadrature scheme in B-spline material point method for large-deformation problem analysis. Engineering Analysis With Boundary Elements, 2022, 138, 301-318.	2.0	7
12	Effect of particle size and grain composition on two-dimensional infiltration process of weathered crust elution-deposited rare earth ores. Transactions of Nonferrous Metals Society of China, 2020, 30, 1647-1661.	1.7	6
13	Crystal structure dependence of the breathing vibration of individual gold nanodisks induced by the ultrafast laser. Applied Optics, 2019, 58, 213.	0.9	6
14	Material point method for simulating nonequilibrium thermal transport in metals irradiated by ultrafast lasers. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2334.	0.9	3
15	A Thermal Equilibrium Analysis of Line Contact Hydrodynamic Lubrication Considering the Influences of Reynolds Number, Load and Temperature. PLoS ONE, 2015, 10, e0134806.	1.1	3
16	Material point method and smoothed particle hydrodynamics simulations of fluid flow problems: a comparative study. Progress in Computational Fluid Dynamics, 2016, 1, 1.	0.1	3
17	Numerical investigation of non-Newtonian power law flows using B-spline material point method. Journal of Non-Newtonian Fluid Mechanics, 2021, 298, 104678.	1.0	3
18	Intrinsic damping for ultrafast laser-excited acoustic vibrations of single gold nanorods. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	2

#	ARTICLE	IF	CITATIONS
19	An Efficient Particle Subdomain Quadrature Scheme for the Material Point Method. Acta Mechanica Solida Sinica, 2021, 34, 274-285.	1.0	2
20	éŒNewtonæµä1/2“çš,,ç%©è*ç,1æ3•æ:jæ<ÿç”ç©¶. Applied Mathematics and Mechanics, 2019, 40, 1135-1146.	0.0	1
21	Analysis of dynamical responses of monolithic roadbed track system. , 2011, , .		0
22	Investigation on vibration isolation effect of rubber pad floating slab track structure. , 2011, , .		0