

Zirui Mao

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

163
citations

1651377

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1526636

10
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12
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12
docs citations

12
times ranked

156
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | SPH modeling for soil mechanics with application to landslides. , 2021, , 257-289. | | 1 |
| 2 | Mobility inference of the Cahn–Hilliard equation from a model experiment. Journal of Materials Research, 2021, 36, 2830-2842. | 1.2 | 1 |
| 3 | Smoothed Particle Hydrodynamics Simulation of Liquid Drop Impinging Hypoelastic Surfaces. International Journal of Computational Methods, 2020, 17, 1940001. | 0.8 | 0 |
| 4 | A 3D Lagrangian gradient smoothing method framework with an adaptable gradient smoothing domain–constructing algorithm for simulating large deformation free surface flows. International Journal for Numerical Methods in Engineering, 2020, 121, 1268-1296. | 1.5 | 7 |
| 5 | Perfectly matched layer absorbing boundary conditions for Euler equations with oblique mean flows modeled with smoothed particle hydrodynamics. Journal of the Acoustical Society of America, 2020, 147, 1311-1322. | 0.5 | 1 |
| 6 | A conservative and consistent Lagrangian gradient smoothing method for earthquake-induced landslide simulation. Engineering Geology, 2019, 260, 105226. | 2.9 | 18 |
| 7 | A conservative and consistent Lagrangian gradient smoothing method for simulating free surface flows in hydrodynamics. Computational Particle Mechanics, 2019, 6, 781-801. | 1.5 | 10 |
| 8 | A local Lagrangian gradient smoothing method for fluids and fluid-like solids: A novel particle-like method. Engineering Analysis With Boundary Elements, 2019, 107, 96-114. | 2.0 | 18 |
| 9 | A smoothed particle hydrodynamics model for electrostatic transport of charged lunar dust on the moon surface. Computational Particle Mechanics, 2018, 5, 539-551. | 1.5 | 11 |
| 10 | A Development of a SPH Model for Simulating Surface Erosion by Impact(s) of Irregularly Shaped Particles. International Journal of Computational Methods, 2018, 15, 1850074. | 0.8 | 4 |
| 11 | A Lagrangian gradient smoothing method for solid–flow problems using simplicial mesh. International Journal for Numerical Methods in Engineering, 2018, 113, 858-890. | 1.5 | 34 |
| 12 | A comprehensive study on the parameters setting in smoothed particle hydrodynamics (SPH) method applied to hydrodynamics problems. Computers and Geotechnics, 2017, 92, 77-95. | 2.3 | 58 |