Zirui Mao

List of Publications by Year
in descending order

12	163	1478458 6	1372553 10
papers	citations	h-index	g-index

12	12	12	141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SPH modeling for soil mechanics with application to landslides. , 2021, , 257-289.		1
2	Mobility inference of the Cahnâ€“Hilliard equation from a model experiment. Journal of Materials Research, 2021, 36, 2830-2842.	2.6	1
3	Smoothed Particle Hydrodynamics Simulation of Liquid Drop Impinging Hypoelastic Surfaces. International Journal of Computational Methods, 2020, 17, 1940001.	1.3	0
4	A 3D Lagrangian gradient smoothing method framework with an adaptable gradient smoothing domainâ€constructing algorithm for simulating large deformation free surface flows. International Journal for Numerical Methods in Engineering, 2020, 121, 1268-1296.	2.8	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.	1.1	1
6	A conservative and consistent Lagrangian gradient smoothing method for earthquake-induced landslide simulation. Engineering Geology, 2019, 260, 105226.	6.3	18
7	A conservative and consistent Lagrangian gradient smoothing method for simulating free surface flows in hydrodynamics. Computational Particle Mechanics, 2019, 6, 781-801.	3.0	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.	3.7	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.	3.0	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.	1.3	4
11	A Lagrangian gradient smoothing method for solidâ€flow problems using simplicial mesh. International Journal for Numerical Methods in Engineering, 2018, 113, 858-890.	2.8	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.	4.7	58