Xunnan Liu

List of Publications by Year
in descending order

12	205	1307594 7	1281871 11
papers	citations	h-index	g-index

13	13	13	142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A resolved CFDâ€“DEM approach for the simulation of landslides and impulse waves. Computer Methods in Applied Mechanics and Engineering, 2020, 359, 112750.	6.6	45
2	Three-dimensional distance potential discrete element method for the numerical simulation of landslides. Landslides, 2020, 17, 361-377.	5.4	32
3	A novel discrete element method based on the distance potential for arbitrary 2D convex elements. International Journal for Numerical Methods in Engineering, 2018, 115, 238-267.	2.8	28
4	A three-phases model for the simulation of landslide-generated waves using the improved conservative level set method. Computers and Fluids, 2017, 159, 243-253.	2.5	25
5	A Novel Contact Algorithm Based on a Distance Potential Function for the 3D Discrete-Element Method. Rock Mechanics and Rock Engineering, 2018, 51, 3737-3769.	5.4	25
6	Runout prediction and deposit characteristics investigation by the distance potential-based discrete element method: the 2018 Baige landslides, Jinsha River, China. Landslides, 2021, 18, 235-249.	5.4	13
7	A resolved CFDEM algorithm based on the immersed boundary for the simulation of fluid-solid interaction. Powder Technology, 2020, 374, 290-303.	4.2	12
8	An efficient 3D iterative interface-correction reinitialization for the level set method. Computers and Fluids, 2020, 213, 104724.	2.5	8
9	A resolved CFDEM method for the interaction between the fluid and the discontinuous solids with large movement. International Journal for Numerical Methods in Engineering, 2020, 121, 1738-1761.	2.8	7
10	The distance potential function-based finite-discrete element method. Computational Mechanics, 2020, 66, 1477-1495.	4.0	7
11	An iterative divergence-free immersed boundary method in the finite element framework for moving bodies. Computers and Fluids, 2020, 208, 104630.	2.5	3
12	A deformable spheropolygon-based discrete element method. Archive of Applied Mechanics, 2022, 92, 413-430.	2.2	0