

Xunnan Liu

List of Publications by Year in descending order

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12
papers

205
citations

1307594

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1281871

11
g-index

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all docs

13
docs citations

13
times ranked

142
citing authors

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