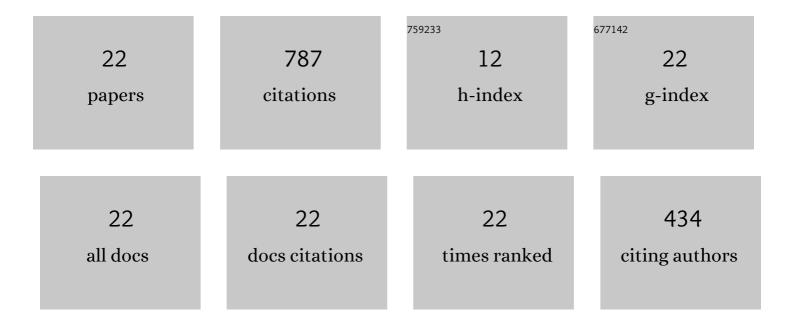
Bo Zhou

List of Publications by Year in descending order

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Во 7ноц

#	Article	IF	CITATIONS
1	On the tracking of shelly carbonate sands using deep learning. Geotechnique, 2023, 73, 974-985.	4.0	2
2	Insight into the mechanism of microbially induced carbonate precipitation treatment of bio-improved calcareous sand particles. Acta Geotechnica, 2023, 18, 985-999.	5.7	7
3	Effects of amygdale heterogeneity and sample size on the mechanical properties of basalt. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 93-107.	8.1	7
4	An investigation of the pressure dip phenomenon within conical sandpiles using CFD-DEM. Powder Technology, 2022, 398, 117152.	4.2	4
5	Single-particle crushing behaviour of carbonate sands studied by X-ray microtomography and a combined finite–discrete element method. Acta Geotechnica, 2022, 17, 3195-3209.	5.7	16
6	Effect of natural defects on the fracture behaviors and failure mechanism of basalt through mesotesting and FDEM modeling. Engineering Fracture Mechanics, 2022, 271, 108598.	4.3	2
7	Quantifying the influence of grain morphology on sand hydraulic conductivity: A detailed pore-scale study. Computers and Geotechnics, 2021, 135, 104147.	4.7	16
8	An insight into the meso-scale topological structure nature of granular materials subjected to quasi-static shearing. Computers and Geotechnics, 2021, 137, 104257.	4.7	7
9	Discrete element modeling of the compression molding of polymer–crystal composite particles. Powder Technology, 2021, 390, 112-125.	4.2	13
10	Effect of Binder Coatings on the Fracture Behavior of Polymer–Crystal Composite Particles Using the Discrete Element Method. Coatings, 2021, 11, 1075.	2.6	1
11	Size dependences of the mechanical behaviors of basalt rock blocks with hidden joints analyzed using a hybrid DFN–FDEM model. Engineering Fracture Mechanics, 2021, 258, 108078.	4.3	7
12	Probabilistic characterization and simulation of realistic particle shape based on sphere harmonic representation and Nataf transformation. Powder Technology, 2020, 360, 209-220.	4.2	39
13	Particle classification and intra-particle pore structure of carbonate sands. Engineering Geology, 2020, 279, 105889.	6.3	44
14	Experimental investigation of both the disturbed and undisturbed granitic saprolite soil. Environmental Earth Sciences, 2020, 79, 1.	2.7	3
15	Study on the effect of particle morphology on single particle breakage using a combined finite-discrete element method. Computers and Geotechnics, 2020, 122, 103532.	4.7	48
16	DEM-aided direct shear testing of granular sands incorporating realistic particle shape. Granular Matter, 2018, 20, 1.	2.2	29
17	Failure mechanism of a slope with a thin soft band triggered by intensive rainfall. Environmental Earth Sciences, 2018, 77, 1.	2.7	32
18	Generation of realistic sand particles with fractal nature using an improved spherical harmonic analysis. Computers and Geotechnics, 2018, 104, 1-12.	4.7	89

Во Zнои

#	Article	IF	CITATIONS
19	Discrete element modeling of crushable sands considering realistic particle shape effect. Computers and Geotechnics, 2017, 91, 179-191.	4.7	104
20	Micromorphology characterization and reconstruction of sand particles using micro X-ray tomography and spherical harmonics. Engineering Geology, 2015, 184, 126-137.	6.3	171
21	A new probabilistic approach for predicting particle crushing in one-dimensional compression of granular soil. Soils and Foundations, 2014, 54, 833-844.	3.1	34
22	DEM investigation of particle anti-rotation effects on the micromechanical response of granular materials. Granular Matter, 2013, 15, 315-326.	2.2	112