

Budi Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

983
citations

758635

12
h-index

839053

18
g-index

19
all docs

19
docs citations

19
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	DEM modeling of one-dimensional compression of sands incorporating statistical particle fragmentation scheme. Canadian Geotechnical Journal, 2022, 59, 144-157.	1.4	18
2	Fluid particle interaction in packings of monodisperse angular particles. Powder Technology, 2022, 395, 133-148.	2.1	10
3	Surface reconstruction with spherical harmonics and its application for single particle crushing simulations. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 232-239.	3.7	4
4	Fine-Grained Sediment Characterization and Process Monitoring Using Nuclear Magnetic Resonance (NMR). Geotechnical Testing Journal, 2022, 45, 877-890.	0.5	1
5	Critical appraisal of pore network models to simulate fluid flow through assemblies of spherical particles. Computers and Geotechnics, 2022, 150, 104900.	2.3	5
6	Desiccation crack formation beneath the surface. Geotechnique, 2020, 70, 181-186.	2.2	20
7	Investigation of particle breakage under one-dimensional compression of sand using X-ray microtomography. Canadian Geotechnical Journal, 2020, 57, 754-762.	1.4	50
8	Multiphysics low-perturbation methods for sediment characterization and process monitoring. , 2020, , .		1
9	Particle Migration and Clogging in Porous Media: A Convergent Flow Microfluidics Study. Journal of Geophysical Research: Solid Earth, 2019, 124, 9495-9504.	1.4	56
10	An FDEM study of particle breakage under rotational point loading. Engineering Fracture Mechanics, 2019, 212, 221-237.	2.0	38
11	A simple method for particle shape generation with spherical harmonics. Powder Technology, 2018, 330, 284-291.	2.1	54
12	Particle shape quantification using rotation-invariant spherical harmonic analysis. Geotechnique Letters, 2017, 7, 190-196.	0.6	24
13	Application of spherical harmonics analysis on LBS particles and LBS fragments. EPJ Web of Conferences, 2017, 140, 05002.	0.1	2
14	3D quantitative shape analysis on form, roundness, and compactness with $\hat{1}/4$ CT. Powder Technology, 2016, 291, 262-275.	2.1	211
15	Inverse Analysis of Deep Excavation Using Differential Evolution Algorithm. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 115-134.	1.7	36
16	An investigation of single sand particle fracture using X-ray micro-tomography. Geotechnique, 2015, 65, 625-641.	2.2	245
17	Micromorphology characterization and reconstruction of sand particles using micro X-ray tomography and spherical harmonics. Engineering Geology, 2015, 184, 126-137.	2.9	171
18	Discrete-continuum analysis of monotonic pile penetration in crushable sands. Canadian Geotechnical Journal, 2014, 51, 1095-1110.	1.4	36