Carlos Ovalle

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7012322/publications.pdf

Version: 2024-02-01

22	436	933447 10	794594 19
papers	citations	h-index	g-index

23	23	23	271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of size on the strength of coarse rock aggregates and large rockfill samples through experimental data. Acta Mechanica, 2014, 225, 2199-2216.	2.1	129
2	Experimental framework for evaluating the mechanical behavior of dry and wet crushable granular materials based on the particle breakage ratio. Canadian Geotechnical Journal, 2015, 52, 587-598.	2.8	84
3	Results of a critical state line testing round robin programme. Geotechnique, 2021, 71, 616-630.	4.0	32
4	Compressibility and creep of a diatomaceous soil. Engineering Geology, 2019, 258, 105145.	6.3	29
5	Experimental Data Highlighting the Role of Surface Fracture Energy in Quasi-Static Confined Comminution. International Journal of Fracture, 2013, 182, 123-130.	2.2	28
6	Effects of particle sizeâ€“strength and sizeâ€“shape correlations on parallel grading scaling. Geotechnique Letters, 2020, 10, 191-197.	1.2	20
7	Mechanical behaviour of undisturbed diatomaceous soil. Marine Georesources and Geotechnology, 2021, 39, 623-630.	2.1	20
8	Data Compilation from Large Drained Compression Triaxial Tests on Coarse Crushable Rockfill Materials. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	19
9	Influence of Grain Size Distribution on Critical State of Granular Materials. Springer Series in Geomechanics and Geoengineering, 2013, , 207-210.	0.1	15
10	Modeling the effect of wetting on the mechanical behavior of crushable granular materials. Geoscience Frontiers, 2020, 11, 487-494.	8.4	15
11	Modelling size effect on rock aggregates strength using a DEM bonded-cell model. Acta Geotechnica, 2021, 16, 699-709.	5.7	11
12	Role of particle breakage in primary and secondary compression of wet and dry sand. Geotechnique Letters, 2018, 8, 161-164.	1.2	8
13	Effects of particle sizeâ€shape correlations on steady shear strength of granular materials: The case of particle elongation. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 979-1000.	3.3	8
14	Behavior of Granular Materials Affected by Grain Breakage. , 2018, , 95-132.		4
15	Evaluation of the Effectiveness of a Soil Treatment Using Calcium Carbonate Precipitation from Cultivated and Lyophilized Bacteria in Soilâ€™s Compaction Water. Buildings, 2021, 11, 545.	3.1	4
16	A probabilistic approach of confined comminution in polydisperse granular materials. AIP Conference Proceedings, 2013, , .	0.4	3
17	Microstructural origins of crushing strength for inherently anisotropic brittle materials. International Journal of Solids and Structures, 2022, 238, 111399.	2.7	2
18	Particle size effects on the water retention properties of colluvial sediments. Japanese Geotechnical Society Special Publication, 2019, 7, 335-339.	0.2	1

#	Article	IF	Citations
19	Results of a critical state line testing round robin programme. Geotechnique, 0, , 1-2.	4.0	1
20	Strength and energy consumption of inherently anisotropic rocks at failure. EPJ Web of Conferences, 2021, 249, 07003.	0.3	1
21	Testing and modelling total suction effects on compressibility and creep of crushable granular material. Soils and Foundations, 2021, 61, 1581-1596.	3.1	1
22	Packing properties and steady strength of cemented loose granular materials. Computers and Geotechnics, 2022, 141, 104550.	4.7	0