

Joana Fonseca

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

778
citations

759055

12
h-index

677027

22
g-index

24
all docs

24
docs citations

24
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-invasive characterization of particle morphology of natural sands. <i>Soils and Foundations</i> , 2012, 52, 712-722.	1.3	194
2	Quantifying the evolution of soil fabric during shearing using directional parameters. <i>Geotechnique</i> , 2013, 63, 487-499.	2.2	130
3	Quantification of the morphology of shelly carbonate sands using 3D images. <i>Geotechnique</i> , 2018, 68, 249-261.	2.2	102
4	Quantifying the evolution of soil fabric during shearing using scalar parameters. <i>Geotechnique</i> , 2013, 63, 818-829.	2.2	79
5	Microstructural analysis of sands with varying degrees of internal stability. <i>Geotechnique</i> , 2014, 64, 405-411.	2.2	39
6	In situ study of granular micromechanics in semi-solid carbon steels. <i>Acta Materialia</i> , 2013, 61, 4169-4179.	3.8	34
7	Micromechanisms of inelastic deformation in sandstones: an insight using x-ray micro-tomography. <i>Geotechnique Letters</i> , 2013, 3, 78-83.	0.6	29
8	On the kinematics of shelly carbonate sand using X-ray micro tomography. <i>Engineering Geology</i> , 2019, 261, 105268.	2.9	26
9	Particle-scale interactions and energy dissipation mechanisms in sand-rubber mixtures. <i>Geotechnique Letters</i> , 2019, 9, 263-268.	0.6	20
10	Experimental study on the vertical deformation of sand caused by cyclic withdrawal and recharging of groundwater. <i>Engineering Geology</i> , 2014, 183, 247-253.	2.9	19
11	A micro finite-element model for soil behaviour: numerical validation. <i>Geotechnique</i> , 2018, 68, 364-369.	2.2	14
12	Synchrotron Radiography Studies of Shear-Induced Dilation in Semisolid Al Alloys and Steels. <i>Jom</i> , 2014, 66, 1415-1424.	0.9	13
13	A micro finite-element model for soil behaviour. <i>Geotechnique</i> , 2018, 68, 290-302.	2.2	12
14	A micro finite-element model for soil behaviour: experimental evaluation for sand under triaxial compression. <i>Geotechnique</i> , 2020, 70, 931-936.	2.2	11
15	Enhancing soil sample preparation by thermal cycling. <i>Geotechnique</i> , 2016, 66, 953-958.	2.2	9
16	Single-Grain Virtualization for Contact Behavior Analysis on Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	1.5	9
17	Image Segmentation Techniques for Granular Materials. , 2009, , .		7
18	Microstructural study of deformation zones during cone penetration in silt at variable penetration rates. <i>Canadian Geotechnical Journal</i> , 2015, 52, 2088-2098.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Investigation of the change in soil fabric during cone penetration in silt using 2D measurements. Acta Geotechnica, 2018, 13, 135-148.	2.9	7
20	Image based simulation of one-dimensional compression tests on carbonate sand. Meccanica, 2019, 54, 697-706.	1.2	6
21	Comparison of 2D Optical Imaging and 3D Microtomography Shape Measurements of a Coastal Bioclastic Calcareous Sand. Journal of Imaging, 2022, 8, 72.	1.7	5
22	Microstructural analysis of sands with varying degrees of internal stability. Geotechnique, 2015, 65, 620-623.	2.2	3
23	On the tensile strength of soil grains in Hertzian response. EPJ Web of Conferences, 2017, 140, 07001.	0.1	3
24	Image-Based Modelling of Shelly Carbonate Sand for Foundation Design of Offshore Structures. Lecture Notes in Civil Engineering, 2019, , 55-60.	0.3	0