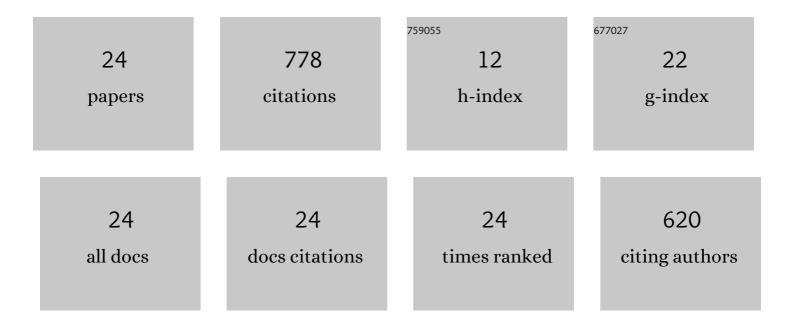
Joana Fonseca

List of Publications by Year in descending order

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IOANA FONSECA

#	Article	IF	CITATIONS
1	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
2	A micro finite-element model for soil behaviour: experimental evaluation for sand under triaxial compression. Geotechnique, 2020, 70, 931-936.	2.2	11
3	On the kinematics of shelly carbonate sand using X-ray micro tomography. Engineering Geology, 2019, 261, 105268.	2.9	26
4	Particle–scale interactions and energy dissipation mechanisms in sand–rubber mixtures. Geotechnique Letters, 2019, 9, 263-268.	0.6	20
5	Image based simulation of one-dimensional compression tests on carbonate sand. Meccanica, 2019, 54, 697-706.	1.2	6
6	Image-Based Modelling of Shelly Carbonate Sand for Foundation Design of Offshore Structures. Lecture Notes in Civil Engineering, 2019, , 55-60.	0.3	0
7	Investigation of the change in soil fabric during cone penetration in silt using 2D measurements. Acta Geotechnica, 2018, 13, 135-148.	2.9	7
8	Quantification of the morphology of shelly carbonate sands using 3D images. Geotechnique, 2018, 68, 249-261.	2.2	102
9	A micro finite-element model for soil behaviour: numerical validation. Geotechnique, 2018, 68, 364-369.	2.2	14
10	A micro finite-element model for soil behaviour. Geotechnique, 2018, 68, 290-302.	2.2	12
11	Single-Grain Virtualization for Contact Behavior Analysis on Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	9
12	On the tensile strength of soil grains in Hertzian response. EPJ Web of Conferences, 2017, 140, 07001.	0.1	3
13	Enhancing soil sample preparation by thermal cycling. Geotechnique, 2016, 66, 953-958.	2.2	9
14	Microstructural study of deformation zones during cone penetration in silt at variable penetration rates. Canadian Geotechnical Journal, 2015, 52, 2088-2098.	1.4	7
15	Microstructural analysis of sands with varying degrees of internal stability. Geotechnique, 2015, 65, 620-623.	2.2	3
16	Experimental study on the vertical deformation of sand caused by cyclic withdrawal and recharging of groundwater. Engineering Geology, 2014, 183, 247-253.	2.9	19
17	Microstructural analysis of sands with varying degrees of internal stability. Geotechnique, 2014, 64, 405-411.	2.2	39
18	Synchrotron Radiography Studies of Shear-Induced Dilation in Semisolid Al Alloys and Steels. Jom, 2014, 66, 1415-1424.	0.9	13

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#	Article	IF	CITATIONS
19	Quantifying the evolution of soil fabric during shearing using directional parameters. Geotechnique, 2013, 63, 487-499.	2.2	130
20	In situ study of granular micromechanics in semi-solid carbon steels. Acta Materialia, 2013, 61, 4169-4179.	3.8	34
21	Quantifying the evolution of soil fabric during shearing using scalar parameters. Geotechnique, 2013, 63, 818-829.	2.2	79
22	Micromechanisms of inelastic deformation in sandstones: an insight using x-ray micro-tomography. Geotechnique Letters, 2013, 3, 78-83.	0.6	29
23	Non-invasive characterization of particle morphology of natural sands. Soils and Foundations, 2012, 52, 712-722.	1.3	194
24	Image Segmentation Techniques for Granular Materials. , 2009, , .		7