Nuria Merce Pinyol Puigmarti

List of Publications by Year
in descending order

39 papers	1,131 citations	516215 16 h-index	476904 29 g-index
40 all docs	40 docs citations	40 times ranked	868 citing authors

#	Article	IF	Citations
1	Compacted soil behaviour: initial state, structure and constitutive modelling. Geotechnique, 2013, 63, 463-478.	2.2	156
2	The material point method for unsaturated soils. Geotechnique, 2015, 65, 201-217.	2.2	145
3	Canelles landslide: modelling rapid drawdown and fast potential sliding. Landslides, 2012, 9, 33-51.	2.7	102
4	Run-out of landslides in brittle soils. Computers and Geotechnics, 2016, 80, 427-439.	2.3	74
5	Criteria for rapid sliding I. A review of Vaiont case. Engineering Geology, 2010, 114, 198-210.	2.9	65
6	Thermo-poro-mechanical analysis of landslides: from creeping behaviour to catastrophic failure. Geotechnique, 2016, 66, 202-219.	2.2	59
7	Criteria for rapid sliding II.. Engineering Geology, 2010, 114, 211-227.	2.9	52
8	A constitutive model for soft clayey rocks that includes weathering effects. Geotechnique, 2007, 57, 137-151.	2.2	51
9	Rapid drawdown in slopes and embankments. Water Resources Research, 2008, 44, .	1.7	51
10	Thermal effects in landslide mobility. Geotechnique, 2018, 68, 528-545.	2.2	50
11	Internal Progressive Failure in Deep-Seated Landslides. Rock Mechanics and Rock Engineering, 2016, 49, 2317-2332.	2.6	38
12	Numerical analysis of rapid drawdown: Applications in real cases. Water Science and Engineering, 2016, 9, 175-182.	1.4	32
13	Geomechanics of Failures. , 2010, , .		28
14	Geomechanics of Failures. Advanced Topics. , 2010, , .		26
15	Effect of temperature induced excess porewater pressures on the shaft bearing capacity of geothermal piles. Geomechanics for Energy and the Environment, 2016, 8, 30-37.	1.2	24
16	A review of Beliche Dam. Geotechnique, 2005, 55, 267-285.	2.2	22
17	Fast planar slides. A closed-form thermo-hydro-mechanical solution. International Journal for Numerical and Analytical Methods in Geomechanics, 2010, 34, 27-52.	1.7	21
18	Design of Micropiles for Tunnel Face Reinforcement: Undrained Upper Bound Solution. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 89-99.	1.5	20

#	Article	IF	Citations
19	Modelling the response of Lechago earth and rockfill dam. Geotechnique, 2011, 61, 387-407.	2.2	17
20	Slope stability in slightly fissured claystones and marls. Landslides, 2015, 12, 643-656.	2.7	16
21	Landslide motion assessment including rate effects and thermal interactions: revisiting the Canelles landslide. Canadian Geotechnical Journal, 2019, 56, 1338-1350.	1.4	13
22	Foundation of a Gravity Dam on Layered Soft Rock: Shear Strength of Bedding Planes in Laboratory and Large â€œIn Situâ€•Tests. Geotechnical and Geological Engineering, 2014, 32, 1439-1450.	0.8	10
23	Recent developments of the Material Point Method for the simulation of landslides. IOP Conference Series: Earth and Environmental Science, 2015, 26, 012003.	0.2	10
24	Novel analysis for large strains based on particle image velocimetry. Canadian Geotechnical Journal, 2017, 54, 933-944.	1.4	8
25	Mathematical Modelling of Slopes. Procedia Earth and Planetary Science, 2014, 9, 64-73.	0.6	6
26	Design, Construction, Monitoring and Modelling of AlbagÃ©s Earth Dam: A Case History. International Journal of Civil Engineering, 2019, 17, 501-513.	0.9	6
27	Massive, continuous, and non-invasive surface measurement of degree of saturation by shortwave infrared images. Canadian Geotechnical Journal, 2021, 58, 749-762.	1.4	5
28	A slow and complex landslide under static and seismic action. Engineering Geology, 2022, 297, 106478.	2.9	5
29	Small Scale Slope Failure Benchmark Test. Modelling and Prediction. Procedia Earth and Planetary Science, 2014, 9, 201-205.	0.6	4
30	Discussion on â€œLarge landslides associated with a diapiric fold in Canelles reservoir (Spanish) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 imagingâ€•by GutiÃ©rrez et al. (2015). Geomorphology, 2016, 263, 170-174.	1.1	3
31	Run-out of landslides in brittle soils: An MPM analysis. , 2014, , 977-982.		3
32	Incorporation of the soil-water characteristic curve hysteresis in pavement design. , 2013, , 479-486.		1
33	Novel Procedure to Validate MPM Results by Means of PIV Measurements. Procedia Engineering, 2017, 175, 332-340.	1.2	1
34	Modelling large deformation problems in unsaturated soils. E3S Web of Conferences, 2016, 9, 08019.	0.2	0
35	Evolution from creeping to catastrophic landslides. , 2016, , 1637-1645.		0
36	Modelling Creeping and Catastrophic Failure of Thermomechanically Driven Landslides. Springer Series in Geomechanics and Geoengineering, 2017, , 207-212.	0.0	0

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37	Introduction: Advances in landslide understanding. Canadian Geotechnical Journal, 2019, 56, vii-viii.	1.4	0
38	DinÃ¡mica de deslizamientos en rocas blandas arcillosas. Geotecnia, 2021, , 273-305.	0.1	0
39	Image-based measurements of degree of saturation. E3S Web of Conferences, 2020, 195, 03010.	0.2	0