

Nuria Merce Pinyol Puigmarti

List of Publications by Year in descending order

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Version: 2024-02-01

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	A slow and complex landslide under static and seismic action. <i>Engineering Geology</i> , 2022, 297, 106478.	2.9	5
2	Massive, continuous, and non-invasive surface measurement of degree of saturation by shortwave infrared images. <i>Canadian Geotechnical Journal</i> , 2021, 58, 749-762.	1.4	5
3	Dinámica de deslizamientos en rocas blandas arcillosas. <i>Geotecnia</i> , 2021, , 273-305.	0.1	0
4	Image-based measurements of degree of saturation. <i>E3S Web of Conferences</i> , 2020, 195, 03010.	0.2	0
5	Design, Construction, Monitoring and Modelling of Albagás Earth Dam: A Case History. <i>International Journal of Civil Engineering</i> , 2019, 17, 501-513.	0.9	6
6	Landslide motion assessment including rate effects and thermal interactions: revisiting the Canelles landslide. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1338-1350.	1.4	13
7	Introduction: Advances in landslide understanding. <i>Canadian Geotechnical Journal</i> , 2019, 56, vii-viii.	1.4	0
8	Thermal effects in landslide mobility. <i>Geotechnique</i> , 2018, 68, 528-545.	2.2	50
9	Novel analysis for large strains based on particle image velocimetry. <i>Canadian Geotechnical Journal</i> , 2017, 54, 933-944.	1.4	8
10	Novel Procedure to Validate MPM Results by Means of PIV Measurements. <i>Procedia Engineering</i> , 2017, 175, 332-340.	1.2	1
11	Modelling Creeping and Catastrophic Failure of Thermomechanically Driven Landslides. <i>Springer Series in Geomechanics and Geoengineering</i> , 2017, , 207-212.	0.0	0
12	Modelling large deformation problems in unsaturated soils. <i>E3S Web of Conferences</i> , 2016, 9, 08019.	0.2	0
13	Numerical analysis of rapid drawdown: Applications in real cases. <i>Water Science and Engineering</i> , 2016, 9, 175-182.	1.4	32
14	Thermo-poro-mechanical analysis of landslides: from creeping behaviour to catastrophic failure. <i>Geotechnique</i> , 2016, 66, 202-219.	2.2	59
15	Effect of temperature induced excess porewater pressures on the shaft bearing capacity of geothermal piles. <i>Geomechanics for Energy and the Environment</i> , 2016, 8, 30-37.	1.2	24
16	Evolution from creeping to catastrophic landslides. , 2016, , 1637-1645.		0
17	Internal Progressive Failure in Deep-Seated Landslides. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 2317-2332.	2.6	38
18	Discussion on "Large landslides associated with a diapiric fold in Canelles reservoir (Spanish)" by Gutiérrez et al. (2015). <i>Geomorphology</i> , 2016, 263, 170-174.	1.1	3

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19	Run-out of landslides in brittle soils. Computers and Geotechnics, 2016, 80, 427-439.	2.3	74
20	The material point method for unsaturated soils. Geotechnique, 2015, 65, 201-217.	2.2	145
21	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
22	Slope stability in slightly fissured claystones and marls. Landslides, 2015, 12, 643-656.	2.7	16
23	Foundation of a Gravity Dam on Layered Soft Rock: Shear Strength of Bedding Planes in Laboratory and Large Scale Tests. Geotechnical and Geological Engineering, 2014, 32, 1439-1450.	0.8	10
24	Mathematical Modelling of Slopes. Procedia Earth and Planetary Science, 2014, 9, 64-73.	0.6	6
25	Small Scale Slope Failure Benchmark Test. Modelling and Prediction. Procedia Earth and Planetary Science, 2014, 9, 201-205.	0.6	4
26	Run-out of landslides in brittle soils: An MPM analysis. , 2014, , 977-982.		3
27	Compacted soil behaviour: initial state, structure and constitutive modelling. Geotechnique, 2013, 63, 463-478.	2.2	156
28	Incorporation of the soil-water characteristic curve hysteresis in pavement design. , 2013, , 479-486.		1
29	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
30	Canelles landslide: modelling rapid drawdown and fast potential sliding. Landslides, 2012, 9, 33-51.	2.7	102
31	Modelling the response of Lechago earth and rockfill dam. Geotechnique, 2011, 61, 387-407.	2.2	17
32	Criteria for rapid sliding I. A review of Vaiont case. Engineering Geology, 2010, 114, 198-210.	2.9	65
33	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
34	Criteria for rapid sliding II.. Engineering Geology, 2010, 114, 211-227.	2.9	52
35	Geomechanics of Failures. Advanced Topics. , 2010, , .		26
36	Geomechanics of Failures. , 2010, , .		28

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37	Rapid drawdown in slopes and embankments. <i>Water Resources Research</i> , 2008, 44, .	1.7	51
38	A constitutive model for soft clayey rocks that includes weathering effects. <i>Geotechnique</i> , 2007, 57, 137-151.	2.2	51
39	A review of Beliche Dam. <i>Geotechnique</i> , 2005, 55, 267-285.	2.2	22