Leonardo Cascini

List of Publications by Year
in descending order

62 papers	4,564 citations	159525 30 h-index	138417 58 g-index
66 all docs	66 docs citations	66 times ranked	3167 citing authors

#	Article	IF	Citations
1	Wettingâ€“drying response of an unsaturated pyroclastic soil vegetated with long-root grass. Environmental Geotechnics, 2023, 10, 332-350.	1.3	11
2	Multidisciplinary analysis of combined flow-like mass movements in a catchment of Southern Italy. Georisk, 2021, 15, 41-58.	2.6	12
3	LARAM School: An Ongoing Experience. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 251-257.	0.3	1
4	Investigating the evolution of landslides via dimensionless displacement trends. Mathematics and Mechanics of Complex Systems, 2021, 9, 231-272.	0.5	1
5	Influence of grass roots on shear strength of pyroclastic soils. Canadian Geotechnical Journal, 2020, 57, 1320-1334.	1.4	25
6	Typical displacement behaviours of slope movements. Landslides, 2020, 17, 1105-1116.	2.7	23
7	Numerical Modeling on Fate and Transport of Pollutants in the Vadose Zone. Environmental Sciences Proceedings, 2020, 2, .	0.3	4
8	Modelling of debris flows and flash floods propagation: a case study from Italian Alps. European Journal of Environmental and Civil Engineering, 2020, , 1-24.	1.0	2
9	LARAM School 2020 goes online: the 15th doctoral school on â€œLAndslide Risk Assessment and Mitigationâ€• Landslides, 2020, 17, 1997-1999.	2.7	2
10	Wetting-induced collapse behaviour of a natural and vegetated coarse pyroclastic soil. E3S Web of Conferences, 2020, 195, 03025.	0.2	3
11	LARAM School 2019: the yearly doctoral school on â€œLAndslide Risk Assessment and Mitigationâ€• Landslides, 2019, 16, 1419-1421.	2.7	2
12	Kinematics of flow mass movements on inclined surfaces. Theoretical and Computational Fluid Dynamics, 2019, 33, 107-123.	0.9	5
13	LARAM School 2018: the doctoral school on â€œLAndslide Risk Assessment and Mitigationâ€• Landslides, 2018, 15, 1445-1447.	2.7	4
14	Soil depth reconstruction for the assessment of the susceptibility to shallow landslides in fine-grained slopes. Landslides, 2017, 14, 459-471.	2.7	14
15	A comparison of statistical and deterministic methods for shallow landslide susceptibility zoning in clayey soils. Engineering Geology, 2017, 223, 71-81.	2.9	87
16	DInSAR data assimilation for settlement prediction: case study of a railway embankment in the Netherlands. Canadian Geotechnical Journal, 2017, 54, 502-517.	1.4	26
17	Modelling the Propagation of Debris Avalanches in Presence of Obstacles. , 2017, , 469-475.		6
18	Thickness of pyroclastic cover beds: the case study of Mount Albino (Campania region, southern Italy). Journal of Maps, 2016, 12, 79-87.	1.0	6

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19	Modelling the spaceâ€“time evolution of bed entrainment for flow-like landslides. Engineering Geology, 2016, 212, 10-20.	2.9	81
20	SPH-FDM propagation and pore water pressure modelling for debris flows in flume tests. Engineering Geology, 2016, 213, 74-83.	2.9	43
21	Micromechanical modelling of rainsplash erosion in unsaturated soils by Discrete Element Method. Catena, 2016, 147, 146-152.	2.2	28
22	Expert engagement in participatory processes: translating stakeholder discourses into policy options. Natural Hazards, 2016, 81, 69-88.	1.6	42
23	Susceptibility zoning of shallow landslides in fine grained soils by statistical methods. Catena, 2016, 139, 250-264.	2.2	30
24	Quantitative risk analysis for hyperconcentrated flows in Nocera Inferiore (southern Italy). Natural Hazards, 2016, 81, 89-115.	1.6	9
25	A costâ€“benefit analysis of mitigation options for optimal management of risks posed by flow-like phenomena. Natural Hazards, 2016, 81, 117-144.	1.6	5
26	A newâ€“old approach for shallow landslide analysis and susceptibility zoning in fine-grained weathered soils of southern Italy. Geomorphology, 2015, 241, 371-381.	1.1	23
27	A general framework and related procedures for multiscale analyses of DInSAR data in subsiding urban areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 105, 186-210.	4.9	49
28	Geomechanical Modelling of 1999 Cervinara Debris Avalanche Propagation (Southern Italy). , 2015, , 1245-1249.		0
29	Recommendations for the quantitative analysis of landslide risk. Bulletin of Engineering Geology and the Environment, 2014, 73, 209.	1.6	541
30	Interplay of rheology and entrainment in debris avalanches: a numerical study. Canadian Geotechnical Journal, 2014, 51, 1318-1330.	1.4	66
31	Introduction to the thematic set of papers on the quantitative analysis of landslide risk. Bulletin of Engineering Geology and the Environment, 2014, 73, 207-208.	1.6	4
32	SPH run-out modelling of channelised landslides of the flow type. Geomorphology, 2014, 214, 502-513.	1.1	111
33	Application of a SPH depth-integrated model to landslide run-out analysis. Landslides, 2014, 11, 793-812.	2.7	198
34	Displacement trends of slow-moving landslides: Classification and forecasting. Journal of Mountain Science, 2014, 11, 592-606.	0.8	28
35	Seasonal effects of rainfall on the shallow pyroclastic deposits of the Campania region (southern) Tj ETQq1 1 0.784314 rgBT /Overloc	2.7	97
36	A numerical investigation on debris avalanche propagation. , 2014, , 357-362.		0

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37	Large deformation FEMLIP drained analysis of a vertical cut. Acta Geotechnica, 2013, 8, 125.	2.9	15
38	Modelling the post-failure stage of rainfall-induced landslides of the flow type. Canadian Geotechnical Journal, 2013, 50, 924-934.	1.4	50
39	Inception of debris avalanches: remarks on geomechanical modelling. Landslides, 2013, 10, 701-711.	2.7	39
40	Landslide zoning over large areas from a sample inventory by means of scale-dependent terrain units. Geomorphology, 2013, 182, 33-48.	1.1	42
41	Detection and monitoring of facilities exposed to subsidence phenomena via past and current generation SAR sensors. Journal of Geophysics and Engineering, 2013, 10, 064001.	0.7	34
42	The combination of DInSAR and facility damage data for the updating of slow-moving landslide inventory maps at medium scale. Natural Hazards and Earth System Sciences, 2013, 13, 1527-1549.	1.5	64
43	Hyperconcentrated Flow Susceptibility Analysis and Zoning at Medium Scale: Methodological Approach and Case Study. , 2013, , 395-401.		2
44	Rockfall risk assessment to persons travelling in vehicles along a road: the case study of the Amalfi coastal road (southern Italy). Natural Hazards, 2012, 62, 691-721.	1.6	57
45	Spatial and temporal occurrence of rainfall-induced shallow landslides of flow type: A case of Sarno-Quindici, Italy. Geomorphology, 2011, 126, 148-158.	1.1	70
46	Susceptibility analysis of shallow landslides source areas using physically based models. Natural Hazards, 2010, 53, 313-332.	1.6	110
47	Advanced low- and full-resolution DInSAR map generation for slow-moving landslide analysis at different scales. Engineering Geology, 2010, 112, 29-42.	2.9	253
48	Modeling of Rainfall-Induced Shallow Landslides of the Flow-Type. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 85-98.	1.5	183
49	Groundwater Modeling for the Analysis of Active Slow-Moving Landslides. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1220-1230.	1.5	42
50	Displacement scenarios of a rainfall-controlled slow moving active slide in stiff clays. Georisk, 2009, 3, 116-125.	2.6	4
51	Analysis at medium scale of low-resolution DInSAR data in slow-moving landslide-affected areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2009, 64, 598-611.	4.9	99
52	A numerical procedure for predicting rainfall-induced movements of active landslides along pre-existing slip surfaces. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 327-351.	1.7	66
53	Typical source areas of May 1998 flow-like mass movements in the Campania region, Southern Italy. Engineering Geology, 2008, 96, 107-125.	2.9	146
54	Guidelines for landslide susceptibility, hazard and risk zoning for land-use planning. Engineering Geology, 2008, 102, 99-111.	2.9	429

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55	Applicability of landslide susceptibility and hazard zoning at different scales. Engineering Geology, 2008, 102, 164-177.	2.9	165
56	Guidelines for landslide susceptibility, hazard and risk zoning for land use planning. Engineering Geology, 2008, 102, 85-98.	2.9	834
57	Individual and societal risk owing to landslides in the Campania region (southern Italy). Georisk, 2008, 2, 125-140.	2.6	33
58	A land subsidence study via DInSAR technique over large urbanised areas. , 2007, , .		7
59	Subsidence monitoring in Sarno urban area via multiâ€temporal DInSAR technique. International Journal of Remote Sensing, 2006, 27, 1709-1716.	1.3	96
60	Groundwater modelling of a weathered gneissic cover. Canadian Geotechnical Journal, 2006, 43, 1153-1166.	1.4	25
61	Geotechnical characterisation of pyroclastic soils involved in huge flowslides. Geotechnical and Geological Engineering, 2005, 23, 365-402.	0.8	97
62	Forecasting spring flow time series. Journal of the Italian Statistical Society, 1994, 3, 1-23.	0.1	3