

Leonardo Cascini

List of Publications by Year in descending order

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Version: 2024-02-01

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	Guidelines for landslide susceptibility, hazard and risk zoning for land use planning. Engineering Geology, 2008, 102, 85-98.	2.9	834
2	Recommendations for the quantitative analysis of landslide risk. Bulletin of Engineering Geology and the Environment, 2014, 73, 209.	1.6	541
3	Guidelines for landslide susceptibility, hazard and risk zoning for land-use planning. Engineering Geology, 2008, 102, 99-111.	2.9	429
4	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
5	Application of a SPH depth-integrated model to landslide run-out analysis. Landslides, 2014, 11, 793-812.	2.7	198
6	Modeling of Rainfall-Induced Shallow Landslides of the Flow-Type. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 85-98.	1.5	183
7	Applicability of landslide susceptibility and hazard zoning at different scales. Engineering Geology, 2008, 102, 164-177.	2.9	165
8	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
9	SPH run-out modelling of channelised landslides of the flow type. Geomorphology, 2014, 214, 502-513.	1.1	111
10	Susceptibility analysis of shallow landslides source areas using physically based models. Natural Hazards, 2010, 53, 313-332.	1.6	110
11	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
12	Geotechnical characterisation of pyroclastic soils involved in huge flowslides. Geotechnical and Geological Engineering, 2005, 23, 365-402.	0.8	97
13	Seasonal effects of rainfall on the shallow pyroclastic deposits of the Campania region (southern) Tj ETQq1 1 0.784314 rgBT JOverloc	2.7	97
14	Subsidence monitoring in Sarno urban area via multi-temporal DInSAR technique. International Journal of Remote Sensing, 2006, 27, 1709-1716.	1.3	96
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	Modelling the space-time evolution of bed entrainment for flow-like landslides. Engineering Geology, 2016, 212, 10-20.	2.9	81
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Interplay of rheology and entrainment in debris avalanches: a numerical study. <i>Canadian Geotechnical Journal</i> , 2014, 51, 1318-1330.	1.4	66
20	The combination of DInSAR and facility damage data for the updating of slow-moving landslide inventory maps at medium scale. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 1527-1549.	1.5	64
21	Rockfall risk assessment to persons travelling in vehicles along a road: the case study of the Amalfi coastal road (southern Italy). <i>Natural Hazards</i> , 2012, 62, 691-721.	1.6	57
22	Modelling the post-failure stage of rainfall-induced landslides of the flow type. <i>Canadian Geotechnical Journal</i> , 2013, 50, 924-934.	1.4	50
23	A general framework and related procedures for multiscale analyses of DInSAR data in subsiding urban areas. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 105, 186-210.	4.9	49
24	SPH-FDM propagation and pore water pressure modelling for debris flows in flume tests. <i>Engineering Geology</i> , 2016, 213, 74-83.	2.9	43
25	Groundwater Modeling for the Analysis of Active Slow-Moving Landslides. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 1220-1230.	1.5	42
26	Landslide zoning over large areas from a sample inventory by means of scale-dependent terrain units. <i>Geomorphology</i> , 2013, 182, 33-48.	1.1	42
27	Expert engagement in participatory processes: translating stakeholder discourses into policy options. <i>Natural Hazards</i> , 2016, 81, 69-88.	1.6	42
28	Inception of debris avalanches: remarks on geomechanical modelling. <i>Landslides</i> , 2013, 10, 701-711.	2.7	39
29	Detection and monitoring of facilities exposed to subsidence phenomena via past and current generation SAR sensors. <i>Journal of Geophysics and Engineering</i> , 2013, 10, 064001.	0.7	34
30	Individual and societal risk owing to landslides in the Campania region (southern Italy). <i>Georisk</i> , 2008, 2, 125-140.	2.6	33
31	Susceptibility zoning of shallow landslides in fine grained soils by statistical methods. <i>Catena</i> , 2016, 139, 250-264.	2.2	30
32	Displacement trends of slow-moving landslides: Classification and forecasting. <i>Journal of Mountain Science</i> , 2014, 11, 592-606.	0.8	28
33	Micromechanical modelling of rainsplash erosion in unsaturated soils by Discrete Element Method. <i>Catena</i> , 2016, 147, 146-152.	2.2	28
34	DInSAR data assimilation for settlement prediction: case study of a railway embankment in the Netherlands. <i>Canadian Geotechnical Journal</i> , 2017, 54, 502-517.	1.4	26
35	Groundwater modelling of a weathered gneissic cover. <i>Canadian Geotechnical Journal</i> , 2006, 43, 1153-1166.	1.4	25
36	Influence of grass roots on shear strength of pyroclastic soils. <i>Canadian Geotechnical Journal</i> , 2020, 57, 1320-1334.	1.4	25

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37	A new "old approach for shallow landslide analysis and susceptibility zoning in fine-grained weathered soils of southern Italy. <i>Geomorphology</i> , 2015, 241, 371-381.	1.1	23
38	Typical displacement behaviours of slope movements. <i>Landslides</i> , 2020, 17, 1105-1116.	2.7	23
39	Large deformation FEM-LIP drained analysis of a vertical cut. <i>Acta Geotechnica</i> , 2013, 8, 125.	2.9	15
40	Soil depth reconstruction for the assessment of the susceptibility to shallow landslides in fine-grained slopes. <i>Landslides</i> , 2017, 14, 459-471.	2.7	14
41	Multidisciplinary analysis of combined flow-like mass movements in a catchment of Southern Italy. <i>Georisk</i> , 2021, 15, 41-58.	2.6	12
42	Wetting "drying response of an unsaturated pyroclastic soil vegetated with long-root grass. <i>Environmental Geotechnics</i> , 2023, 10, 332-350.	1.3	11
43	Quantitative risk analysis for hyperconcentrated flows in Nocera Inferiore (southern Italy). <i>Natural Hazards</i> , 2016, 81, 89-115.	1.6	9
44	A land subsidence study via DInSAR technique over large urbanised areas. , 2007, , .		7
45	Thickness of pyroclastic cover beds: the case study of Mount Albino (Campania region, southern Italy). <i>Journal of Maps</i> , 2016, 12, 79-87.	1.0	6
46	Modelling the Propagation of Debris Avalanches in Presence of Obstacles. , 2017, , 469-475.		6
47	A cost "benefit analysis of mitigation options for optimal management of risks posed by flow-like phenomena. <i>Natural Hazards</i> , 2016, 81, 117-144.	1.6	5
48	Kinematics of flow mass movements on inclined surfaces. <i>Theoretical and Computational Fluid Dynamics</i> , 2019, 33, 107-123.	0.9	5
49	Displacement scenarios of a rainfall-controlled slow moving active slide in stiff clays. <i>Georisk</i> , 2009, 3, 116-125.	2.6	4
50	Introduction to the thematic set of papers on the quantitative analysis of landslide risk. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 207-208.	1.6	4
51	LARAM School 2018: the doctoral school on "Landslide Risk Assessment and Mitigation". <i>Landslides</i> , 2018, 15, 1445-1447.	2.7	4
52	Numerical Modeling on Fate and Transport of Pollutants in the Vadose Zone. <i>Environmental Sciences Proceedings</i> , 2020, 2, .	0.3	4
53	Forecasting spring flow time series. <i>Journal of the Italian Statistical Society</i> , 1994, 3, 1-23.	0.1	3
54	Wetting-induced collapse behaviour of a natural and vegetated coarse pyroclastic soil. <i>E3S Web of Conferences</i> , 2020, 195, 03025.	0.2	3

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55	LARAM School 2019: the yearly doctoral school on "Landslide Risk Assessment and Mitigation". Landslides, 2019, 16, 1419-1421.	2.7	2
56	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
57	LARAM School 2020 goes online: the 15th doctoral school on "Landslide Risk Assessment and Mitigation". Landslides, 2020, 17, 1997-1999.	2.7	2
58	Hyperconcentrated Flow Susceptibility Analysis and Zoning at Medium Scale: Methodological Approach and Case Study. , 2013, , 395-401.		2
59	LARAM School: An Ongoing Experience. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 251-257.	0.3	1
60	Investigating the evolution of landslides via dimensionless displacement trends. Mathematics and Mechanics of Complex Systems, 2021, 9, 231-272.	0.5	1
61	A numerical investigation on debris avalanche propagation. , 2014, , 357-362.		0
62	Geomechanical Modelling of 1999 Cervinara Debris Avalanche Propagation (Southern Italy). , 2015, , 1245-1249.		0