

Paolo Frattini

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

4,620
citations

159358

30
h-index

168136

53
g-index

88
all docs

88
docs citations

88
times ranked

3770
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for the quantitative analysis of landslide risk. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 209.	1.6	541
2	Techniques for evaluating the performance of landslide susceptibility models. <i>Engineering Geology</i> , 2010, 111, 62-72.	2.9	351
3	Distributed modelling of shallow landslides triggered by intense rainfall. <i>Natural Hazards and Earth System Sciences</i> , 2003, 3, 81-93.	1.5	291
4	Comparing models of debris-flow susceptibility in the alpine environment. <i>Geomorphology</i> , 2008, 94, 353-378.	1.1	220
5	Deep seated gravitational slope deformations in the European Alps. <i>Tectonophysics</i> , 2013, 605, 13-33.	0.9	186
6	Fragmentation in the Val Pola rock avalanche, Italian Alps. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	181
7	Geomorphological and historical data in assessing landslide hazard. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 1125-1142.	1.2	161
8	Integrating rockfall risk assessment and countermeasure design by 3D modelling techniques. <i>Natural Hazards and Earth System Sciences</i> , 2009, 9, 1059-1073.	1.5	156
9	Assessment of rockfall susceptibility by integrating statistical and physically-based approaches. <i>Geomorphology</i> , 2008, 94, 419-437.	1.1	152
10	Approaches for defining thresholds and return periods for rainfall-triggered shallow landslides. <i>Hydrological Processes</i> , 2009, 23, 1444-1460.	1.1	144
11	Soil slips and debris flows on terraced slopes. <i>Natural Hazards and Earth System Sciences</i> , 2003, 3, 31-42.	1.5	130
12	Shallow landslides in pyroclastic soils: a distributed modelling approach for hazard assessment. <i>Engineering Geology</i> , 2004, 73, 277-295.	2.9	122
13	Chasing a complete understanding of the triggering mechanisms of a large rapidly evolving rockslide. <i>Landslides</i> , 2014, 11, 747-764.	2.7	121
14	The role of material properties and landscape morphology on landslide size distributions. <i>Earth and Planetary Science Letters</i> , 2013, 361, 310-319.	1.8	115
15	Rainfall-induced landslides and debris flows. <i>Hydrological Processes</i> , 2008, 22, 473-477.	1.1	109
16	Controls on modern alluvial fan processes in the central Alps, northern Italy. <i>Earth Surface Processes and Landforms</i> , 2004, 29, 267-293.	1.2	101
17	A probabilistic approach for landslide hazard analysis. <i>Engineering Geology</i> , 2014, 182, 3-14.	2.9	98
18	A regional inventory of rock glaciers and protalus ramparts in the central Italian Alps. <i>Geomorphology</i> , 2013, 186, 136-149.	1.1	92

#	ARTICLE	IF	CITATIONS
19	Giant non-catastrophic landslides and the long-term exhumation of the European Alps. Earth and Planetary Science Letters, 2013, 365, 263-274.	1.8	89
20	Seismic and geological controls on earthquake-induced landslide size. Earth and Planetary Science Letters, 2019, 506, 268-281.	1.8	88
21	Activity and kinematic behaviour of deep-seated landslides from PS-InSAR displacement rate measurements. Landslides, 2018, 15, 1053-1070.	2.7	80
22	Modelling probability of rainfall-induced shallow landslides in a changing climate, Otta, Central Norway. Climatic Change, 2012, 113, 413-436.	1.7	77
23	Uncertainty assessment in quantitative rockfall risk assessment. Landslides, 2014, 11, 711-722.	2.7	72
24	Field observations, rheological testing and numerical modelling of a debris-flow event. Earth Surface Processes and Landforms, 2007, 32, 290-306.	1.2	68
25	Monitoring the hydrologic behaviour of a mountain slope via time-lapse electrical resistivity tomography. Near Surface Geophysics, 2009, 7, 475-486.	0.6	66
26	Forecasting hazard scenarios and implications for the evaluation of countermeasure efficiency for large debris avalanches. Engineering Geology, 2006, 83, 236-253.	2.9	62
27	Earthquake-induced rockfall hazard zoning. Engineering Geology, 2014, 182, 213-225.	2.9	56
28	Introducing a New Inventory of Large Martian Landslides. Earth and Space Science, 2018, 5, 89-119.	1.1	51
29	Landslide Susceptibility Mapping at National Scale: The Italian Case Study. , 2013, , 287-295.		48
30	Slow rock-slope deformation. , 2012, , 207-221.		46
31	Damage to Buildings in Large Slope Rock Instabilities Monitored with the PSInSAR,ç Technique. Remote Sensing, 2013, 5, 4753-4773.	1.8	43
32	Landslide hazard, monitoring and conservation strategy for the safeguard of Vardzia Byzantine monastery complex, Georgia. Landslides, 2015, 12, 193-204.	2.7	40
33	Key Issues in Rock Fall Modeling, Hazard and Risk Assessment for Rockfall Protection. , 2015, , 43-58.		34
34	Rockfall characterization and modeling. , 2012, , 267-281.		33
35	Hydrogeochemical overview and natural arsenic occurrence in groundwater from alpine springs (upper Valtellina, Northern Italy). Journal of Hydrology, 2015, 529, 1530-1549.	2.3	29
36	Dynamic rockfall risk analysis. Engineering Geology, 2020, 272, 105622.	2.9	28

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37	Semi-automated regional classification of the style of activity of slow rock-slope deformations using PS InSAR and SqueeSAR velocity data. <i>Landslides</i> , 2021, 18, 2445-2463.	2.7	28
38	Field investigation and rockfall hazard zonation at the Shijing Mountains Sutra caves cultural heritage (China). <i>Environmental Earth Sciences</i> , 2012, 66, 1897-1908.	1.3	27
39	Integration of natural and technological risks in Lombardy, Italy. <i>Natural Hazards and Earth System Sciences</i> , 2009, 9, 2085-2106.	1.5	23
40	Landslide susceptibility assessment in Apulian Southern Apennine: heuristic vs. statistical methods. <i>Environmental Earth Sciences</i> , 2014, 72, 1097-1108.	1.3	21
41	Regional-scale modelling of shallow landslides with different initiation mechanisms: Sliding versus liquefaction. <i>Engineering Geology</i> , 2017, 228, 346-356.	2.9	18
42	Nature-Based Solutions for Storm Water Management – Creation of a Green Infrastructure Suitability Map as a Tool for Land-Use Planning at the Municipal Level in the Province of Monza-Brianza (Italy). <i>Sustainability</i> , 2021, 13, 6124.	1.6	18
43	Hazard ranking of the UNESCO world heritage sites (WHSs) in Europe by multicriteria analysis. <i>Journal of Cultural Heritage Management and Sustainable Development</i> , 2020, 10, 359-374.	0.5	17
44	Quantitative liquefaction-induced lateral spread hazard mapping. <i>Engineering Geology</i> , 2016, 207, 36-47.	2.9	15
45	Rockfall at the heritage site of the Tatlarin Underground City (Cappadocia, Turkey). <i>Natural Hazards</i> , 2016, 82, 1075-1098.	1.6	15
46	Role of landslides on the volume balance of the Nepal 2015 earthquake sequence. <i>Scientific Reports</i> , 2021, 11, 3434.	1.6	15
47	Production-induced instability of a gentle submarine slope: Potential impact of gas hydrate exploitation with the huff-puff method. <i>Engineering Geology</i> , 2021, 289, 106174.	2.9	15
48	Rock-avalanche geomorphological and hydrological impact on an alpine watershed. <i>Geomorphology</i> , 2016, 262, 47-60.	1.1	14
49	Kinematics of an Alpine rock glacier from multi-temporal UAV surveys and GNSS data. <i>Geomorphology</i> , 2022, 402, 108116.	1.1	12
50	Assessing the rockfall protection efficiency of forests at the regional scale. <i>Landslides</i> , 2020, 17, 2703-2721.	2.7	11
51	Cost-sensitive rainfall thresholds for shallow landslides. <i>Landslides</i> , 2021, 18, 2979-2992.	2.7	10
52	Challenging Calibration in 3D Rockfall Modelling. , 2013, , 169-175.		10
53	The First International Workshop on Warning Criteria for Active Slides: technical issues, problems and solutions for managing early warning systems. <i>Landslides</i> , 2015, 12, 205-212.	2.7	9
54	Groundwater-driven temperature changes at thermal springs in response to recent glaciation: Bormio hydrothermal system, Central Italian Alps. <i>Hydrogeology Journal</i> , 2017, 25, 1967-1984.	0.9	9

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55	Landslide Motion Forecasting by a Dynamic Visco-Plastic Model. , 2013, , 151-159.		8
56	Local scale multiple quantitative risk assessment and uncertainty evaluation in a densely urbanised area (Brescia, Italy). Natural Hazards and Earth System Sciences, 2012, 12, 3387-3406.	1.5	7
57	Best practices for monitoring, mitigation, and preservation of cultural heritage sites affected by geo-hazards: the results of the PROTHEGO project. , 2018, , .		7
58	Formation, Characterisation and Modeling of the Val Pola Rock-Avalanche Dam (Italy). Lecture Notes in Earth Sciences, 2011, , 347-368.	0.5	6
59	Coupling ground-penetrating radar and flowmeter investigations for the characterization of a fissured aquifer. Quarterly Journal of Engineering Geology and Hydrogeology, 2014, 47, 351-361.	0.8	5
60	Borehole Flowmeter Logging for the Accurate Design and Analysis of Tracer Tests. Ground Water, 2015, 53, 3-9.	0.7	5
61	Regional Landslide Susceptibility Analysis Following the 2015 Nepal Earthquake. , 2017, , 1035-1042.		4
62	C- and X-band multi-pass InSAR analysis over alpine areas (ITALY). , 2009, , .		1
63	Modelling of a rapidly evolving rockslide: the Mt. de la Saxe case study. IOP Conference Series: Earth and Environmental Science, 2015, 26, 012059.	0.2	0
64	On the hydrogeological modelling of complex rockslides. , 2016, , 2001-2006.		0
65	Mass-Movements on the Mars. , 2021, , .		0