Federico Agliardi

List of Publications by Year
in descending order

43 papers	3,983 citations	279701 23 h-index	377752 34 g-index
59 all docs	59 docs citations	59 times ranked	2441 citing authors

#	Article	IF	Citations
1	Deep-Seated Gravitational Slope Deformations. , 2022, , 183-199.		1
2	Paraglacial rock-slope deformations: sudden or delayed response? Insights from an integrated numerical modelling approach. Landslides, 2021, 18, 1311-1326.	2.7	16
3	Semi-automated regional classification of the style of activity of slow rock-slope deformations using PS InSAR and SqueeSAR velocity data. Landslides, 2021, 18, 2445-2463.	2.7	28
4	Practical Estimation of Landslide Kinematics Using PSI Data. Geosciences (Switzerland), 2021, 11, 214.	1.0	7
5	Slow-to-fast transition of giant creeping rockslides modulated by undrained loading in basal shear zones. Nature Communications, 2020, 11, 1352.	5.8	52
6	Unraveling Spatial and Temporal Heterogeneities of Very Slow Rock-Slope Deformations with Targeted DInSAR Analyses. Remote Sensing, 2020, 12, 1329.	1.8	14
7	Effects of tectonic structures and long-term seismicity on paraglacial giant slope deformations: Piz Dora (Switzerland). Engineering Geology, 2019, 263, 105353.	2.9	20
8	Damageâ€Based Timeâ€Dependent Modeling of Paraglacial to Postglacial Progressive Failure of Large Rock Slopes. Journal of Geophysical Research F: Earth Surface, 2018, 123, 124-141.	1.0	54
9	Damage-based long term modelling of a large alpine rock slope. , 2018, , 1723-1730.		2
10	Long-term evolution and early warning strategies for complex rockslides by real-time monitoring. Landslides, 2017, 14, 1615-1632.	2.7	67
11	Folded fabric tunes rock deformation and failure mode in the upper crust. Scientific Reports, 2017, 7, 15290.	1.6	6
12	Rock Mass Characterization by High-Resolution Sonic and GSI Borehole Logging. Rock Mechanics and Rock Engineering, 2016, 49, 4303-4318.	2.6	17
13	Ground-penetrating radar refraction imaging with stacked refraction convolution section method. Geophysics, 2016, 81, H33-H45.	1.4	5
14	Damage-based long term modelling of a large alpine rock slope. , 2016, , 1723-1730.		1
15	2D Modelling of rockslide displacements by non-linear time dependent relationships. , 2016, , 765-770.		1
16	Key Issues in Rock Fall Modeling, Hazard and Risk Assessment for Rockfall Protection. , 2015, , 43-58.		34
17	The First International Workshop on Warning Criteria for Active Slides: technical issues, problems and solutions for managing early warning systems. Landslides, 2015, 12, 205-212.	2.7	9
18	Recommendations for the quantitative analysis of landslide risk. Bulletin of Engineering Geology and the Environment, 2014, 73, 209.	1.6	541

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19	Fabric controls on the brittle failure of folded gneiss and schist. Tectonophysics, 2014, 637, 150-162.	0.9	18
20	Chasing a complete understanding of the triggering mechanisms of a large rapidly evolving rockslide. Landslides, 2014, 11, 747-764.	2.7	121
21	Uncertainty assessment in quantitative rockfall risk assessment. Landslides, 2014, 11, 711-722.	2.7	72
22	Long-and Short-term Controls on the Spriana Rockslide (Central Alps, Italy). , 2014, , 243-249.		5
23	Structurally-controlled instability, damage and slope failure in a porphyry rock mass. Tectonophysics, 2013, 605, 34-47.	0.9	52
24	Deep seated gravitational slope deformations in the European Alps. Tectonophysics, 2013, 605, 13-33.	0.9	186
25	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
26	Challenging Calibration in 3D Rockfall Modelling. , 2013, , 169-175.		10
27	Slow rock-slope deformation. , 2012, , 207-221.		46
28	Rockfall characterization and modeling. , 2012, , 267-281.		33
29	Field investigation and rockfall hazard zonation at the Shijing Mountains Sutra caves cultural heritage (China). Environmental Earth Sciences, 2012, 66, 1897-1908.	1.3	27
30	Rockfall characterisation and structural protection â€“ a review. Natural Hazards and Earth System Sciences, 2011, 11, 2617-2651.	1.5	328
31	Megafans and outsize fans from catastrophic slope failures in Alpine glacial troughs: the Malser Haide and the Val Venosta cluster, Italy. Geological Society Special Publication, 2011, 351, 253-277.	0.8	16
32	Integrating rockfall risk assessment and countermeasure design by 3D modelling techniques. Natural Hazards and Earth System Sciences, 2009, 9, 1059-1073.	1.5	156
33	Onset and timing of deep-seated gravitational slope deformations in the eastern Alps, Italy. Geomorphology, 2009, 103, 113-129.	1.1	113
34	Tectonic vs. gravitational morphostructures in the central Eastern Alps (Italy): Constraints on the recent evolution of the mountain range. Tectonophysics, 2009, 474, 250-270.	0.9	82
35	Assessment of rockfall susceptibility by integrating statistical and physically-based approaches. Geomorphology, 2008, 94, 419-437.	1.1	152
36	Numerical analysis of deep-seated mass movements in the Magura Nappe; Flysch Belt of the Western Carpathians (Czech Republic). Natural Hazards and Earth System Sciences, 2005, 5, 367-374.	1.5	25

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37	Parametric evaluation of 3D dispersion of rockfall trajectories. Natural Hazards and Earth System Sciences, 2004, 4, 583-598.	1.5	123
38	High resolution three-dimensional numerical modelling of rockfalls. International Journal of Rock Mechanics and Minings Sciences, 2003, 40, 455-471.	2.6	265
39	Failure forecast for large rock slides by surface displacement measurements. Canadian Geotechnical Journal, 2003, 40, 176-191.	1.4	269
40	A methodology for physically based rockfall hazard assessment. Natural Hazards and Earth System Sciences, 2003, 3, 407-422.	1.5	149
41	How to obtain alert velocity thresholds for large rockslides. Physics and Chemistry of the Earth, 2002, 27, 1557-1565.	1.2	87
42	STONE: a computer program for the three-dimensional simulation of rock-falls. Computers and Geosciences, 2002, 28, 1079-1093.	2.0	258
43	Structural constraints on deep-seated slope deformation kinematics. Engineering Geology, 2001, 59, 83-102.	2.9	420