# Federico Agliardi

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Recommendations for the quantitative analysis of landslide risk. Bulletin of Engineering Geology and the Environment, 2014, 73, 209. | 1.6 | 541 |
| 2 | Structural constraints on deep-seated slope deformation kinematics. Engineering Geology, 2001, 59, 83-102. | 2.9 | 420 |
| 3 | Rockfall characterisation and structural protection â€“ a review. Natural Hazards and Earth System Sciences, 2011, 11, 2617-2651. | 1.5 | 328 |
| 4 | Failure forecast for large rock slides by surface displacement measurements. Canadian Geotechnical Journal, 2003, 40, 176-191. | 1.4 | 269 |
| 5 | High resolution three-dimensional numerical modelling of rockfalls. International Journal of Rock Mechanics and Minings Sciences, 2003, 40, 455-471. | 2.6 | 265 |
| 6 | STONE: a computer program for the three-dimensional simulation of rock-falls. Computers and Geosciences, 2002, 28, 1079-1093. | 2.0 | 258 |
| 7 | Deep seated gravitational slope deformations in the European Alps. Tectonophysics, 2013, 605, 13-33. | 0.9 | 186 |
| 8 | Integrating rockfall risk assessment and countermeasure design by 3D modelling techniques. Natural Hazards and Earth System Sciences, 2009, 9, 1059-1073. | 1.5 | 156 |
| 9 | Assessment of rockfall susceptibility by integrating statistical and physically-based approaches. Geomorphology, 2008, 94, 419-437. | 1.1 | 152 |
| 10 | A methodology for physically based rockfall hazard assessment. Natural Hazards and Earth System Sciences, 2003, 3, 407-422. | 1.5 | 149 |
| 11 | Parametric evaluation of 3D dispersion of rockfall trajectories. Natural Hazards and Earth System Sciences, 2004, 4, 583-598. | 1.5 | 123 |
| 12 | Chasing a complete understanding of the triggering mechanisms of a large rapidly evolving rockslide. Landslides, 2014, 11, 747-764. | 2.7 | 121 |
| 13 | Onset and timing of deep-seated gravitational slope deformations in the eastern Alps, Italy. Geomorphology, 2009, 103, 113-129. | 1.1 | 113 |
| 14 | 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 |
| 15 | How to obtain alert velocity thresholds for large rockslides. Physics and Chemistry of the Earth, 2002, 27, 1557-1565. | 1.2 | 87 |
| 16 | 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 |
| 17 | Uncertainty assessment in quantitative rockfall risk assessment. Landslides, 2014, 11, 711-722. | 2.7 | 72 |
| 18 | Long-term evolution and early warning strategies for complex rockslides by real-time monitoring. Landslides, 2017, 14, 1615-1632. | 2.7 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Structurally-controlled instability, damage and slope failure in a porphyry rock mass. Tectonophysics, 2013, 605, 34-47. | 0.9 | 52 |
| 21 | Slow-to-fast transition of giant creeping rockslides modulated by undrained loading in basal shear zones. Nature Communications, 2020, 11, 1352. | 5.8 | 52 |
| 22 | Slow rock-slope deformation. , 2012, , 207-221. | | 46 |
| 23 | Key Issues in Rock Fall Modeling, Hazard and Risk Assessment for Rockfall Protection. , 2015, , 43-58. | | 34 |
| 24 | Rockfall characterization and modeling. , 2012, , 267-281. | | 33 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Effects of tectonic structures and long-term seismicity on paraglacial giant slope deformations: Piz Dora (Switzerland). Engineering Geology, 2019, 263, 105353. | 2.9 | 20 |
| 29 | Fabric controls on the brittle failure of folded gneiss and schist. Tectonophysics, 2014, 637, 150-162. | 0.9 | 18 |
| 30 | Rock Mass Characterization by High-Resolution Sonic and GSI Borehole Logging. Rock Mechanics and Rock Engineering, 2016, 49, 4303-4318. | 2.6 | 17 |
| 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 | Paraglacial rock-slope deformations: sudden or delayed response? Insights from an integrated numerical modelling approach. Landslides, 2021, 18, 1311-1326. | 2.7 | 16 |
| 33 | Unraveling Spatial and Temporal Heterogeneities of Very Slow Rock-Slope Deformations with Targeted DInSAR Analyses. Remote Sensing, 2020, 12, 1329. | 1.8 | 14 |
| 34 | Challenging Calibration in 3D Rockfall Modelling. , 2013, , 169-175. | | 10 |
| 35 | 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 |
| 36 | Practical Estimation of Landslide Kinematics Using PSI Data. Geosciences (Switzerland), 2021, 11, 214. | 1.0 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Folded fabric tunes rock deformation and failure mode in the upper crust. Scientific Reports, 2017, 7, 15290. | 1.6 | 6 |
| 38 | Ground-penetrating radar refraction imaging with stacked refraction convolution section method. Geophysics, 2016, 81, H33-H45. | 1.4 | 5 |
| 39 | Long-and Short-term Controls on the Spriana Rockslide (Central Alps, Italy). , 2014, , 243-249. | | 5 |
| 40 | Damage-based long term modelling of a large alpine rock slope. , 2018, , 1723-1730. | | 2 |
| 41 | Damage-based long term modelling of a large alpine rock slope. , 2016, , 1723-1730. | | 1 |
| 42 | 2D Modelling of rockslide displacements by non-linear time dependent relationships. , 2016, , 765-770. | | 1 |
| 43 | Deep-Seated Gravitational Slope Deformations. , 2022, , 183-199. | | 1 |