Alessandro Corsini

List of Publications by Year
in descending order

61 papers	1,965 citations	257101 24 h-index	264894 42 g-index
67 all docs	67 docs citations	67 times ranked	2076 citing authors

#	Article	IF	Citations
1	Survey and monitoring of landslide displacements by means of L-band satellite SAR interferometry. Landslides, 2005, 2, 193-201.	2.7	204
2	Landslides and climate change in the Italian Dolomites since the Late glacial. Catena, 2004, 55, 141-161.	2.2	184
3	Weight of evidence and artificial neural networks for potential groundwater spring mapping: an application to the Mt. Modino area (Northern Apennines, Italy). Geomorphology, 2009, 111, 79-87.	1.1	167
4	Spaceâ€borne and groundâ€based SAR interferometry as tools for landslide hazard management in civil protection. International Journal of Remote Sensing, 2006, 27, 2351-2369.	1.3	87
5	Field monitoring of the Corvara landslide (Dolomites, Italy) and its relevance for hazard assessment. Geomorphology, 2005, 66, 149-165.	1.1	81
6	Comparative analysis of surface roughness algorithms for the identification of active landslides. Geomorphology, 2013, 182, 1-18.	1.1	79
7	Automated classification of Persistent Scatterers Interferometry time series. Natural Hazards and Earth System Sciences, 2013, 13, 1945-1958.	1.5	75
8	Large reactivated landslides in weak rock masses: a case study from the Northern Apennines (Italy). Landslides, 2006, 3, 115-124.	2.7	74
9	Estimating mass-wasting processes in active earth slides â€“ earth flows with time-series of High-Resolution DEMs from photogrammetry and airborne LiDAR. Natural Hazards and Earth System Sciences, 2009, 9, 433-439.	1.5	74
10	Deformation responses of slow moving landslides to seasonal rainfall in the Northern Apennines, measured by InSAR. Geomorphology, 2018, 308, 293-306.	1.1	67
11	Landslide monitoring with sensor networks: experiences and lessons learnt from a real-world deployment. International Journal of Sensor Networks, 2011, 10, 111.	0.2	53
12	Basin-scale analysis of the geomorphic effectiveness of flash floods: A study in the northern Apennines (Italy). Science of the Total Environment, 2018, 640-641, 337-351.	3.9	48
13	Integrating airborne and multiâ€temporal longâ€range terrestrial laser scanning with total station measurements for mapping and monitoring a compound slow moving rock slide. Earth Surface Processes and Landforms, 2013, 38, 1330-1338.	1.2	47
14	Kinematics of active earthflows revealed by digital image correlation and DEM subtraction techniques applied to multiâ€temporal LiDAR data. Earth Surface Processes and Landforms, 2013, 38, 640-654.	1.2	42
15	Seismic monitoring of soft-rock landslides: the Super-Sauze and Valoria case studies. Geophysical Journal International, 2013, 193, 1515-1536.	1.0	39
16	Inverse Parameter Identification Technique Using PSO Algorithm Applied to Geotechnical Modeling. Journal of Artificial Evolution and Applications, 2008, 2008, 1-14.	1.8	38
17	Multi-sensors integrated system for landslide monitoring: critical issues in system setup and data management. European Journal of Remote Sensing, 2013, 46, 104-124.	1.7	38
18	Groundwater processes in a complex landslide, northern Apennines, Italy. Natural Hazards and Earth System Sciences, 2009, 9, 895-904.	1.5	37

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19	Origin and assessment of deep groundwater inflow in the Ca' Lita landslide using hydrochemistry and in situ monitoring. Hydrology and Earth System Sciences, 2012, 16, 4205-4221.	1.9	37
20	Monitoring the Rapid-Moving Reactivation of Earth Flows by Means of GB-InSAR: The April 2013 Capriglio Landslide (Northern Appennines, Italy). Remote Sensing, 2017, 9, 165.	1.8	37
21	The Valoria landslide reactivation in 2005â€“2006 (Northern Apennines, Italy). Landslides, 2007, 4, 189-195.	2.7	31
22	Use of ROC curves for early warning of landslide displacement rates in response to precipitation (Piagneto landslide, Northern Apennines, Italy). Landslides, 2017, 14, 1241-1252.	2.7	30
23	Use of multitemporal airborne lidar surveys to analyse post-failure behaviour of earth slides. Canadian Journal of Remote Sensing, 2007, 33, 116-120.	1.1	29
24	Multi-Temporal X-Band Radar Interferometry Using Corner Reflectors: Application and Validation at the Corvara Landslide (Dolomites, Italy). Remote Sensing, 2017, 9, 739.	1.8	27
25	A lacustrine record of early Holocene watershed events and vegetation history, Corvara in Badia, Dolomites (Italy). Journal of Quaternary Science, 2007, 22, 173-189.	1.1	24
26	Investigation and monitoring in support of the structural mitigation of large slow moving landslides: an example from Ca' Lita (Northern Apennines, Reggio Emilia, Italy). Natural Hazards and Earth System Sciences, 2006, 6, 55-61.	1.5	20
27	Chemical and isotopic investigations (Î´18O, Î´2H, 3H, 87Sr/86Sr) to define groundwater processes occurring in a deep-seated landslide in flysch. Hydrogeology Journal, 2018, 26, 2669-2691.	0.9	20
28	Hydro-mechanical features of landslide reactivation in weak clayey rock masses. Bulletin of Engineering Geology and the Environment, 2010, 69, 267-274.	1.6	19
29	Perennial springs provide information to predict low flows in mountain basins. Hydrological Sciences Journal, 2017, 62, 2469-2481.	1.2	16
30	Integration of Digital Image Correlation of Sentinel-2 Data and Continuous GNSS for Long-Term Slope Movements Monitoring in Moderately Rapid Landslides. Remote Sensing, 2020, 12, 2605.	1.8	16
31	Debris flows rainfall thresholds in the Apennines of Emilia-Romagna (Italy) derived by the analysis of recent severe rainstorms events and regional meteorological data. Geomorphology, 2020, 358, 107097.	1.1	15
32	Appraise the structural mitigation of landslide risk via numerical modelling: a case study from the northern Apennines (Italy). Georisk, 2008, 2, 141-160.	2.6	14
33	Slope dynamics and streambed uplift during the Pergalla landslide reactivation in March 2016 and discussion of concurrent causes (Northern Apennines, Italy). Landslides, 2018, 15, 1881-1887.	2.7	13
34	Tracer test to assess flow and transport parameters of an earth slide: The Montecagno landslide case study (Italy). Engineering Geology, 2020, 275, 105749.	2.9	12
35	LiDAR And Hyperspectral Data Integration For Landslide Monitoring: The Test Case Of Valoria Landslide. European Journal of Remote Sensing, 2010, , 89-99.	0.2	11
36	A reliable methodology for monitoring unstable slopes: the multi-platform and multi-sensor approach. Proceedings of SPIE, 2014, , .	0.8	10

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37	Geomechanical assessment of the Corvara earthflow through numerical modelling and inverse analysis. Landslides, 2015, 12, 495-510.	2.7	10
38	Contribution of water geochemistry and isotopes (Î´18O, Î´2H, 3H, 87Sr/86Sr and Î´11B) to the study of groundwater flow properties and underlying bedrock structures of a deep landslide. Environmental Earth Sciences, 2020, 79, 1.	1.3	10
39	Redundancy and coherence of multi-method displacement monitoring data as key issues for the analysis of extremely slow landslides (Isarco valley, Eastern Alps, Italy). Engineering Geology, 2020, 267, 105504.	2.9	10
40	Characterizing the Recharge of Fractured Aquifers: A Case Study in a Flysch Rock Mass of the Northern Apennines (Italy). , 2015, , 563-567.		10
41	Sinusoidal wave fit indexing of irreversible displacements for crackmeters monitoring of rockfall areas: test at Pietra di Bismantova (Northern Apennines, Italy). Landslides, 2020, 17, 231-240.	2.7	8
42	Combining spatial modelling and regionalization of rainfall thresholds for debris flows hazard mapping in the Emilia-Romagna Apennines (Italy). Landslides, 2021, 18, 3513-3529.	2.7	8
43	Rapid Assessment of Landslide Activity in Emilia Romagna Using GB-InSAR Short Surveys. , 2013, , 391-399.		8
44	Fingerprints of Large-Scale Landslides in the Landscape of the Emilia Apennines. World Geomorphological Landscapes, 2017, , 215-224.	0.1	7
45	Long-term monitoring of a deep-seated, slow-moving landslide by mean of C-band and X-band advanced interferometric products: the Corvara in Badia case study (Dolomites, Italy). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 827-829.	0.2	7
46	COSMO SkyMed high frequency - high resolution monitoring of an alpine slow landslide, corvara in Badia, Northern Italy. , 2012, , .		6
47	A comparison between bivariate and multivariate methods to assess susceptibility to liquefaction-related coseismic surface effects in the Po Plain (Northern Italy). Geomatics, Natural Hazards and Risk, 2018, 9, 108-126.	2.0	6
48	A portable continuous GPS array used as rapid deployment monitoring system during landslide emergencies in Emilia Romagna. Rendiconti Online Societa Geologica Italiana, 0, 35, 89-91.	0.3	6
49	Assessment of the 2006 to 2015 Corvara landslide evolution using a UAV-derived DSM and orthophoto. , 2016, , 1897-1902.		5
50	Seismic Noise Measurements on Unstable Rock Blocks: The Case of Bismantova Rock Cliff. , 2017, , 325-332.		5
51	Displacements of an Active Moderately Rapid Landslideâ€"A Dataset Retrieved by Continuous GNSS Arrays. Data, 2020, 5, 71.	1.2	5
52	Long-Term Continuous Monitoring of a Deep-Seated Compound Rock Slide in the Northern Apennines (Italy). , 2015, , 1337-1340.		4
53	Debris flows in Val Nure and Val Trebbia (Northern Apennines) during the September 2015 alluvial event in Piacenza Province (Italy). Rendiconti Online Societa Geologica Italiana, 0, 41, 127-130.	0.3	4
54	A wireless crackmeters network for the analysis of rock falls at the Pietra di Bismantova natural heritage site (Northern Apennines, Italy). , 2016, , 685-690.		3

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55	Remote Sensing Mapping and Monitoring of the Capriglio Landslide (Parma Province, Northern Italy). , 2017, , 231-238.		3
56	Large-Scale Slope Instability Affecting SS63 Near the Cerreto Pass (Northern Apennines, Italy). , 2013, , 231-237.		3
57	Debris flows in Val Parma and Val Baganza (Northern Apennines) during the October 2014 alluvial event in Parma Province (Italy). Rendiconti Online Societa Geologica Italiana, 0, 35, 85-88.	0.3	3
58	Using Weather Radar Data (Rainfall and Lightning Flashes) for the Analysis of Debris Flows Occurrence in Emilia-Romagna Apennines (Italy). , 2017, , 437-448.		1
59	Innovative Techniques for the Detection and Characterization of the Kinematics of Slow-Moving Landslides. Advances in Natural and Technological Hazards Research, 2014, , 31-56.	1.1	1
60	Unusual becoming Usual: recent persistent-rainstorm events and their implications for debris flow risk management in the northern Apennines of Italy. , 2019, , .		1
61	Hydrogeology, Hydrochemistry and Isotopic Investigation to Define the Lateral Hydraulic Boundaries of a Deep Rock Slide (Berceto Landslide: Northern Apennines). , 2015, , 2129-2132.		1