

# Alessandro Corsini

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Combining spatial modelling and regionalization of rainfall thresholds for debris flows hazard mapping in the Emilia-Romagna Apennines (Italy). <i>Landslides</i> , 2021, 18, 3513-3529.	2.7	8
2	Sinusoidal wave fit indexing of irreversible displacements for crackmeters monitoring of rockfall areas: test at Pietra di Bismantova (Northern Apennines, Italy). <i>Landslides</i> , 2020, 17, 231-240.	2.7	8
3	Contribution of water geochemistry and isotopes ( $\delta^{18}O$ , $\delta^2H$ , $3H$ , $87Sr/86Sr$ and $\delta^{11}B$ ) to the study of groundwater flow properties and underlying bedrock structures of a deep landslide. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	10
4	Integration of Digital Image Correlation of Sentinel-2 Data and Continuous GNSS for Long-Term Slope Movements Monitoring in Moderately Rapid Landslides. <i>Remote Sensing</i> , 2020, 12, 2605.	1.8	16
5	Displacements of an Active Moderately Rapid Landslide – A Dataset Retrieved by Continuous GNSS Arrays. <i>Data</i> , 2020, 5, 71.	1.2	5
6	Tracer test to assess flow and transport parameters of an earth slide: The Montecagno landslide case study (Italy). <i>Engineering Geology</i> , 2020, 275, 105749.	2.9	12
7	Debris flows rainfall thresholds in the Apennines of Emilia-Romagna (Italy) derived by the analysis of recent severe rainstorms events and regional meteorological data. <i>Geomorphology</i> , 2020, 358, 107097.	1.1	15
8	Redundancy and coherence of multi-method displacement monitoring data as key issues for the analysis of extremely slow landslides (Isarco valley, Eastern Alps, Italy). <i>Engineering Geology</i> , 2020, 267, 105504.	2.9	10
9	Unusual becoming Usual: recent persistent-rainstorm events and their implications for debris flow risk management in the northern Apennines of Italy. , , .		1
10	Deformation responses of slow moving landslides to seasonal rainfall in the Northern Apennines, measured by InSAR. <i>Geomorphology</i> , 2018, 308, 293-306.	1.1	67
11	A comparison between bivariate and multivariate methods to assess susceptibility to liquefaction-related coseismic surface effects in the Po Plain (Northern Italy). <i>Geomatics, Natural Hazards and Risk</i> , 2018, 9, 108-126.	2.0	6
12	Basin-scale analysis of the geomorphic effectiveness of flash floods: A study in the northern Apennines (Italy). <i>Science of the Total Environment</i> , 2018, 640-641, 337-351.	3.9	48
13	Chemical and isotopic investigations ( $\delta^{18}O$ , $\delta^2H$ , $3H$ , $87Sr/86Sr$ ) to define groundwater processes occurring in a deep-seated landslide in flysch. <i>Hydrogeology Journal</i> , 2018, 26, 2669-2691.	0.9	20
14	Slope dynamics and streambed uplift during the Pergalla landslide reactivation in March 2016 and discussion of concurrent causes (Northern Apennines, Italy). <i>Landslides</i> , 2018, 15, 1881-1887.	2.7	13
15	Seismic Noise Measurements on Unstable Rock Blocks: The Case of Bismantova Rock Cliff. , 2017, , 325-332.		5
16	Perennial springs provide information to predict low flows in mountain basins. <i>Hydrological Sciences Journal</i> , 2017, 62, 2469-2481.	1.2	16
17	Use of ROC curves for early warning of landslide displacement rates in response to precipitation (Piagneto landslide, Northern Apennines, Italy). <i>Landslides</i> , 2017, 14, 1241-1252.	2.7	30
18	Monitoring the Rapid-Moving Reactivation of Earth Flows by Means of GB-InSAR: The April 2013 Capriglio Landslide (Northern Apennines, Italy). <i>Remote Sensing</i> , 2017, 9, 165.	1.8	37

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19	Multi-Temporal X-Band Radar Interferometry Using Corner Reflectors: Application and Validation at the Corvara Landslide (Dolomites, Italy). <i>Remote Sensing</i> , 2017, 9, 739.	1.8	27
20	Fingerprints of Large-Scale Landslides in the Landscape of the Emilia Apennines. <i>World Geomorphological Landscapes</i> , 2017, , 215-224.	0.1	7
21	Using Weather Radar Data (Rainfall and Lightning Flashes) for the Analysis of Debris Flows Occurrence in Emilia-Romagna Apennines (Italy). , 2017, , 437-448.		1
22	Remote Sensing Mapping and Monitoring of the Capriglio Landslide (Parma Province, Northern Italy). , 2017, , 231-238.		3
23	Assessment of the 2006 to 2015 Corvara landslide evolution using a UAV-derived DSM and orthophoto. , 2016, , 1897-1902.		5
24	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
25	Geomechanical assessment of the Corvara earthflow through numerical modelling and inverse analysis. <i>Landslides</i> , 2015, 12, 495-510.	2.7	10
26	Characterizing the Recharge of Fractured Aquifers: A Case Study in a Flysch Rock Mass of the Northern Apennines (Italy). , 2015, , 563-567.		10
27	Long-Term Continuous Monitoring of a Deep-Seated Compound Rock Slide in the Northern Apennines (Italy). , 2015, , 1337-1340.		4
28	Hydrogeology, Hydrochemistry and Isotopic Investigation to Define the Lateral Hydraulic Boundaries of a Deep Rock Slide (Berceto Landslide: Northern Apennines). , 2015, , 2129-2132.		1
29	A reliable methodology for monitoring unstable slopes: the multi-platform and multi-sensor approach. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
30	Innovative Techniques for the Detection and Characterization of the Kinematics of Slow-Moving Landslides. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 31-56.	1.1	1
31	Comparative analysis of surface roughness algorithms for the identification of active landslides. <i>Geomorphology</i> , 2013, 182, 1-18.	1.1	79
32	Seismic monitoring of soft-rock landslides: the Super-Sauze and Valoria case studies. <i>Geophysical Journal International</i> , 2013, 193, 1515-1536.	1.0	39
33	Integrating airborne and multi-temporal long-range terrestrial laser scanning with total station measurements for mapping and monitoring a compound slow moving rock slide. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1330-1338.	1.2	47
34	Kinematics of active earthflows revealed by digital image correlation and DEM subtraction techniques applied to multi-temporal LiDAR data. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 640-654.	1.2	42
35	Multi-sensors integrated system for landslide monitoring: critical issues in system setup and data management. <i>European Journal of Remote Sensing</i> , 2013, 46, 104-124.	1.7	38
36	Automated classification of Persistent Scatterers Interferometry time series. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 1945-1958.	1.5	75

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37	Large-Scale Slope Instability Affecting SS63 Near the Cerreto Pass (Northern Apennines, Italy). , 2013, , 231-237.		3
38	Rapid Assessment of Landslide Activity in Emilia Romagna Using GB-InSAR Short Surveys. , 2013, , 391-399.		8
39	COSMO SkyMed high frequency - high resolution monitoring of an alpine slow landslide, corvara in Badia, Northern Italy. , 2012, , .		6
40	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
41	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
42	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
43	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
44	Estimating mass-wasting processes in active earth slides " 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
45	Groundwater processes in a complex landslide, northern Apennines, Italy. Natural Hazards and Earth System Sciences, 2009, 9, 895-904.	1.5	37
46	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
47	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
48	Inverse Parameter Identification Technique Using PSO Algorithm Applied to Geotechnical Modeling. Journal of Artificial Evolution and Applications, 2008, 2008, 1-14.	1.8	38
49	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
50	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
51	The Valoria landslide reactivation in 2005"2006 (Northern Apennines, Italy). Landslides, 2007, 4, 189-195.	2.7	31
52	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
53	Large reactivated landslides in weak rock masses: a case study from the Northern Apennines (Italy). Landslides, 2006, 3, 115-124.	2.7	74
54	Spaceborne and ground-based SAR interferometry as tools for landslide hazard management in civil protection. International Journal of Remote Sensing, 2006, 27, 2351-2369.	1.3	87

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55	Survey and monitoring of landslide displacements by means of L-band satellite SAR interferometry. <i>Landslides</i> , 2005, 2, 193-201.	2.7	204
56	Field monitoring of the Corvara landslide (Dolomites, Italy) and its relevance for hazard assessment. <i>Geomorphology</i> , 2005, 66, 149-165.	1.1	81
57	Landslides and climate change in the Italian Dolomites since the Late glacial. <i>Catena</i> , 2004, 55, 141-161.	2.2	184
58	Debris flows in Val Parma and Val Baganza (Northern Apennines) during the October 2014 alluvial event in Parma Province (Italy). <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 35, 85-88.	0.3	3
59	A portable continuous GPS array used as rapid deployment monitoring system during landslide emergencies in Emilia Romagna. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 35, 89-91.	0.3	6
60	Debris flows in Val Nure and Val Trebbia (Northern Apennines) during the September 2015 alluvial event in Piacenza Province (Italy). <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 41, 127-130.	0.3	4
61	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). <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-7/W3, 827-829.	0.2	7