Alessandro Pasuto

List of Publications by Year
in descending order

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62 papers	2,593 citations	185998 28 h-index	189595 50 g-index
68 all docs	68 docs citations	68 times ranked	2575 citing authors

#	Article	IF	Citations
1	Landslide monitoring by using ground-based SAR interferometry: an example of application to the Tessina landslide in Italy. Engineering Geology, 2003, 68, 15-30.	2.9	301
2	A critical review of landslide monitoring experiences. Engineering Geology, 2000, 55, 133-147.	2.9	214
3	Landslides and climate change in the Italian Dolomites since the Late glacial. Catena, 2004, 55, 141-161.	2.2	184
4	Monitoring landslides from optical remotely sensed imagery: the case history of Tessina landslide, Italy. Geomorphology, 2003, 54, 63-75.	1.1	162
5	Measurement of landslide displacements using a wire extensometer. Engineering Geology, 2000, 55, 149-166.	2.9	102
6	Distributed optical fibre sensing for early detection of shallow landslides triggering. Scientific Reports, 2017, 7, 14686.	1.6	91
7	Using GB-SAR technique to monitor slow moving landslide. Engineering Geology, 2007, 95, 88-98.	2.9	87
8	The submerged paleolandscape of the Maltese Islands: Morphology, evolution and relation to Quaternary environmental change. Marine Geology, 2013, 335, 129-147.	0.9	82
9	Field monitoring of the Corvara landslide (Dolomites, Italy) and its relevance for hazard assessment. Geomorphology, 2005, 66, 149-165.	1.1	81
10	Characteristics and triggering mechanism of Xinmo landslide on 24 June 2017 in Sichuan, China. Journal of Mountain Science, 2017, 14, 1689-1700.	0.8	79
11	A visco-plastic model for slope analysis applied to a mudslide in Cortina d'Ampezzo, Italy. Quarterly Journal of Engineering Geology and Hydrogeology, 1996, 29, 233-240.	0.8	75
12	A multidisciplinary approach for rock spreading and block sliding investigation in the north-western coast of Malta. Landslides, 2013, 10, 611-622.	2.7	65
13	Landslide susceptibility modeling assisted by Persistent Scatterers Interferometry (PSI): an example from the northwestern coast of Malta. Natural Hazards, 2015, 78, 681-697.	1.6	55
14	Monitoring, numerical modelling and hazard mitigation of the Moscardo landslide (Eastern Italian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	51
15	Geomorphological map of the NW Coast of the Island of Malta (Mediterranean Sea). Journal of Maps, 2012, 8, 33-40.	1.0	49
16	Temporal occurrence and activity of landslides in the area of Cortina d'Ampezzo (Dolomites, Italy). Geomorphology, 1996, 15, 311-326.	1.1	45
17	A web-based platform for automatic and continuous landslide monitoring: The Rotolon (Eastern) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	44
18	Distributed optical fiber pressure sensors. Optical Fiber Technology, 2020, 58, 102239.	1.4	43

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19	Simulation of the 1992 Tessina landslide by a cellular automata model and future hazard scenarios. International Journal of Applied Earth Observation and Geoinformation, 2000, 2, 41-50.	1.4	42
20	Advanced SAR Interferometric Analysis to Support Geomorphological Interpretation of Slow-Moving Coastal Landslides (Malta, Mediterranean Sea). Remote Sensing, 2016, 8, 443.	1.8	42
21	Earthquake-triggered landslides affecting a UNESCO Natural Site: the 2017 Jiuzhaigou Earthquake in the World National Park, China. Journal of Mountain Science, 2018, 15, 1412-1428.	0.8	36
22	Fiber optic sensor for hydrostatic pressure and temperature measurement in riverbanks monitoring. Optics and Laser Technology, 2016, 82, 57-62.	2.2	35
23	New understandings of the June 24th 2017 Xinmo Landslide, Maoxian, Sichuan, China. Landslides, 2018, 15, 2465-2474.	2.7	35
24	Multi-temporal LiDAR-DTMs as a tool for modelling a complex landslide: a case study in the Rotolon catchment (eastern Italian Alps). Natural Hazards and Earth System Sciences, 2015, 15, 715-722.	1.5	34
25	Integration of laser scanning and thermal imaging in monitoring optimization and assessment of rockfall hazard: a case history in the Carnic Alps (Northeastern Italy). Natural Hazards, 2015, 76, 1535-1549.	1.6	34
26	Highly Sensitive FBG Pressure Sensor Based on a 3D-Printed Transducer. Journal of Lightwave Technology, 2019, 37, 4784-4790.	2.7	32
27	Major risk from rapid, large-volume landslides in Europe (EU Project RUNOUT). Geomorphology, 2003, 54, 3-9.	1.1	30
28	An international program on Silk Road Disaster Risk Reductionâ€“a Belt and Road initiative (2016â€“2020). Journal of Mountain Science, 2018, 15, 1383-1396.	0.8	30
29	An integrated approach for hazard assessment and mitigation of debris flows in the Italian Dolomites. Geomorphology, 2004, 61, 59-70.	1.1	28
30	Collecting data to define future hazard scenarios of the Tessina landslide. International Journal of Applied Earth Observation and Geoinformation, 2000, 2, 33-40.	1.4	26
31	The use of landslide units in geomorphological mapping: an example in the Italian Dolomites. Geomorphology, 1999, 30, 53-64.	1.1	25
32	Towards the definition of slope instability behaviour in the AlverÃ mudslide (Cortina d'Ampezzo,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.1	24
33	An Optical Fiber Distributed Pressure Sensing Cable With Pa-Sensitivity and Enhanced Spatial Resolution. IEEE Sensors Journal, 2020, 20, 5900-5908.	2.4	22
34	A Rugged FBG-Based Pressure Sensor for Water Level Monitoring in Dikes. IEEE Sensors Journal, 2021, 21, 13263-13271.	2.4	22
35	An interactive web-GIS tool for risk analysis: a case study in the Fella River basin, Italy. Natural Hazards and Earth System Sciences, 2016, 16, 85-101.	1.5	21
36	When Enough Is Really Enough? On the Minimum Number of Landslides to Build Reliable Susceptibility Models. Geosciences (Switzerland), 2021, 11, 469.	1.0	21

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37	Application of a high resolution distributed temperature sensor in a physical model reproducing subsurface water flow. Measurement: Journal of the International Measurement Confederation, 2017, 98, 321-324.	2.5	20
38	Changes in hydrological behaviours triggered by earthquake disturbance in a mountainous watershed. Science of the Total Environment, 2021, 760, 143349.	3.9	19
39	Management of a typhoon-induced landslide in Otomura (Japan). Geomorphology, 2010, 124, 150-156.	1.1	18
40	New Perspectives in Landslide Displacement Detection Using Sentinel-1 Datasets. Remote Sensing, 2019, 11, 2135.	1.8	16
41	Hands-On Experience of Crowdsourcing for Flood Risks. An Android Mobile Application Tested in Frederikssund, Denmark. International Journal of Environmental Research and Public Health, 2018, 15, 1926.	1.2	15
42	Landslides Along the North-West Coast of the Island of Malta. , 2013, , 57-63.		15
43	Coupling long-term GNSS monitoring and numerical modelling of lateral spreading for hazard assessment purposes. Engineering Geology, 2022, 296, 106466.	2.9	15
44	Assessment of debris flow multiple-surge load model based on the physical process of debris-barrier interaction. Landslides, 2022, 19, 1165-1177.	2.7	15
45	Effects of episodic sediment supply on bedload transport rate in mountain rivers. Detecting debris flow activity using continuous monitoring. Geomorphology, 2018, 306, 198-209.	1.1	14
46	Mapping Susceptibility With Open-Source Tools: A New Plugin for QGIS. Frontiers in Earth Science, 2022, 10, .	0.8	13
47	The Spectacular Landslide-Controlled Landscape of the Northwestern Coast of Malta. World Geomorphological Landscapes, 2019, , 167-178.	0.1	11
48	Landslide susceptibility in the Belt and Road Countries: continental step of a multi-scale approach. Environmental Earth Sciences, 2021, 80, 1.	1.3	11
49	An example of a low-temperature-triggered landslide. Engineering Geology, 1993, 36, 53-65.	2.9	10
50	Comparison of 2-D and 3-D computer models for the M. Salta rock fall, Vajont Valley, northern Italy. GeoInformatica, 2009, 13, 323-337.	2.0	8
51	The Rotolon Catchment Early-Warning System. , 2015, , 91-95.		6
52	Evaluating data quality collected by volunteers for first-level inspection of hydraulic structures in mountain catchments. Natural Hazards and Earth System Sciences, 2014, 14, 2681-2698.	1.5	5
53	Capabilities of Continuous and Discontinuous Modelling of a Complex, Structurally Controlled Landslide. Geotechnical and Geological Engineering, 2016, 34, 1677-1686.	0.8	5
54	Disaster risk reduction in mountain areas: an initial overview on seeking pathways to global sustainability. Journal of Mountain Science, 2022, 19, 1838-1846.	0.8	5

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55	A Monitoring Network to Map and Assess Landslide Activity in a Highly Anthropized Area. Geosciences (Switzerland), 2016, 6, 40.	1.0	4
56	Distributed acoustic sensing of debris flows in a physical model. , 2021, , .		4
57	Backward automatic calibration for three-dimensional landslide models. Geoscience Frontiers, 2021, 12, 231-241.	4.3	3
58	Integrated Monitoring of Lateral Spreading Phenomena Along the North-West Coast of the Island of Malta. , 2013, , 235-241.		3
59	Long-Term Monitoring to Support Landslide Inventory Maps: The Case of the North-Western Coast of the Island of Malta. , 2015, , 1307-1310.		2
60	Disaster risk reduction in mountain areas: a research overview. Journal of Mountain Science, 2022, 19, 1487-1494.	0.8	2
61	Landslide monitoring with an integrated platform: methodology, design and case study. Rendiconti Online Societa Geologica Italiana, 0, 30, 24-27.	0.3	1
62	Ganderberg Landslide Characterization Through Monitoring. , 2015, , 1327-1331.		0