

# Alessandro Pasuto

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

1,955  
citations

23  
h-index

43  
g-index

68  
ext. papers

2,266  
ext. citations

4.1  
avg, IF

4.57  
L-index

#	Paper	IF	Citations
60	Landslide monitoring by using ground-based SAR interferometry: an example of application to the Tessina landslide in Italy. <i>Engineering Geology</i> , <b>2003</b> , 68, 15-30	6	252
59	A critical review of landslide monitoring experiences. <i>Engineering Geology</i> , <b>2000</b> , 55, 133-147	6	170
58	Landslides and climate change in the Italian Dolomites since the Late glacial. <i>Catena</i> , <b>2004</b> , 55, 141-161	5.8	162
57	Monitoring landslides from optical remotely sensed imagery: the case history of Tessina landslide, Italy. <i>Geomorphology</i> , <b>2003</b> , 54, 63-75	4.3	133
56	Measurement of landslide displacements using a wire extensometer. <i>Engineering Geology</i> , <b>2000</b> , 55, 149-166	6	76
55	The submerged paleolandscape of the Maltese Islands: Morphology, evolution and relation to Quaternary environmental change. <i>Marine Geology</i> , <b>2013</b> , 335, 129-147	3.3	68
54	Using GB-SAR technique to monitor slow moving landslide. <i>Engineering Geology</i> , <b>2007</b> , 95, 88-98	6	67
53	Field monitoring of the Corvara landslide (Dolomites, Italy) and its relevance for hazard assessment. <i>Geomorphology</i> , <b>2005</b> , 66, 149-165	4.3	66
52	A visco-plastic model for slope analysis applied to a mudslide in Cortina d'Ampezzo, Italy. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , <b>1996</b> , 29, 233-240	1.4	63
51	Characteristics and triggering mechanism of Xinmo landslide on 24 June 2017 in Sichuan, China. <i>Journal of Mountain Science</i> , <b>2017</b> , 14, 1689-1700	2.1	59
50	A multidisciplinary approach for rock spreading and block sliding investigation in the north-western coast of Malta. <i>Landslides</i> , <b>2013</b> , 10, 611-622	6.6	56
49	Distributed optical fibre sensing for early detection of shallow landslides triggering. <i>Scientific Reports</i> , <b>2017</b> , 7, 14686	4.9	53
48	Landslide susceptibility modeling assisted by Persistent Scatterers Interferometry (PSI): an example from the northwestern coast of Malta. <i>Natural Hazards</i> , <b>2015</b> , 78, 681-697	3	45
47	Temporal occurrence and activity of landslides in the area of Cortina d'Ampezzo (Dolomites, Italy). <i>Geomorphology</i> , <b>1996</b> , 15, 311-326	4.3	44
46	Monitoring, numerical modelling and hazard mitigation of the Moscardo landslide (Eastern Italian Alps). <i>Engineering Geology</i> , <b>2012</b> , 128, 95-107	6	43
45	Geomorphological map of the NW Coast of the Island of Malta (Mediterranean Sea). <i>Journal of Maps</i> , <b>2012</b> , 8, 33-40	2.2	42
44	Simulation of the 1992 Tessina landslide by a cellular automata model and future hazard scenarios. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2000</b> , 2, 41-50	7.3	37

43	Advanced SAR Interferometric Analysis to Support Geomorphological Interpretation of Slow-Moving Coastal Landslides (Malta, Mediterranean Sea). <i>Remote Sensing</i> , <b>2016</b> , 8, 443	5	36
42	A web-based platform for automatic and continuous landslide monitoring: The Rotolon (Eastern Italian Alps) case study. <i>Computers and Geosciences</i> , <b>2014</b> , 63, 96-105	4.5	33
41	Multi-temporal LiDAR-DTMs as a tool for modelling a complex landslide: a case study in the Rotolon catchment (eastern Italian Alps). <i>Natural Hazards and Earth System Sciences</i> , <b>2015</b> , 15, 715-722	3.9	29
40	Fiber optic sensor for hydrostatic pressure and temperature measurement in riverbanks monitoring. <i>Optics and Laser Technology</i> , <b>2016</b> , 82, 57-62	4.2	26
39	Major risk from rapid, large-volume landslides in Europe (EU Project RUNOUT). <i>Geomorphology</i> , <b>2003</b> , 54, 3-9	4.3	25
38	The use of landslide units in geomorphological mapping: an example in the Italian Dolomites. <i>Geomorphology</i> , <b>1999</b> , 30, 53-64	4.3	24
37	Earthquake-triggered landslides affecting a UNESCO Natural Site: the 2017 Jiuzhaigou Earthquake in the World National Park, China. <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 1412-1428	2.1	23
36	An integrated approach for hazard assessment and mitigation of debris flows in the Italian Dolomites. <i>Geomorphology</i> , <b>2004</b> , 61, 59-70	4.3	23
35	Collecting data to define future hazard scenarios of the Tessina landslide. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2000</b> , 2, 33-40	7.3	23
34	New understandings of the June 24th 2017 Xinmo Landslide, Maoxian, Sichuan, China. <i>Landslides</i> , <b>2018</b> , 15, 2465-2474	6.6	22
33	Integration of laser scanning and thermal imaging in monitoring optimization and assessment of rockfall hazard: a case history in the Carnic Alps (Northeastern Italy). <i>Natural Hazards</i> , <b>2015</b> , 76, 1535-1549	2.9	21
32	Towards the definition of slope instability behaviour in the AlverÙ mudslide (Cortina d'Ampezzo, Italy). <i>Geomorphology</i> , <b>1999</b> , 30, 201-211	4.3	20
31	An international program on Silk Road Disaster Risk Reduction – Belt and Road initiative (2016–2020). <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 1383-1396	2.1	18
30	Highly Sensitive FBG Pressure Sensor Based on a 3D-Printed Transducer. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 4784-4790	4	16
29	Distributed optical fiber pressure sensors. <i>Optical Fiber Technology</i> , <b>2020</b> , 58, 102239	2.4	15
28	An interactive web-GIS tool for risk analysis: a case study in the Fella River basin, Italy. <i>Natural Hazards and Earth System Sciences</i> , <b>2016</b> , 16, 85-101	3.9	15
27	An Optical Fiber Distributed Pressure Sensing Cable With Pa-Sensitivity and Enhanced Spatial Resolution. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 5900-5908	4	13
26	Management of a typhoon-induced landslide in Otomura (Japan). <i>Geomorphology</i> , <b>2010</b> , 124, 150-156	4.3	13

25	Landslides Along the North-West Coast of the Island of Malta <b>2013</b> , 57-63		13
24	Application of a high resolution distributed temperature sensor in a physical model reproducing subsurface water flow. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2017</b> , 98, 321-324	4.6	10
23	The Spectacular Landslide-Controlled Landscape of the Northwestern Coast of Malta. <i>World Geomorphological Landscapes</i> , <b>2019</b> , 167-178	0.4	10
22	An example of a low-temperature-triggered landslide. <i>Engineering Geology</i> , <b>1993</b> , 36, 53-65	6	10
21	Changes in hydrological behaviours triggered by earthquake disturbance in a mountainous watershed. <i>Science of the Total Environment</i> , <b>2021</b> , 760, 143349	10.2	10
20	Effects of episodic sediment supply on bedload transport rate in mountain rivers. Detecting debris flow activity using continuous monitoring. <i>Geomorphology</i> , <b>2018</b> , 306, 198-209	4.3	8
19	Hands-On Experience of Crowdsourcing for Flood Risks. An Android Mobile Application Tested in Frederikssund, Denmark. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	8
18	A Rugged FBG-Based Pressure Sensor for Water Level Monitoring in Dikes. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 13263-13271	4	7
17	New Perspectives in Landslide Displacement Detection Using Sentinel-1 Datasets. <i>Remote Sensing</i> , <b>2019</b> , 11, 2135	5	7
16	Comparison of 2-D and 3-D computer models for the M. Salta rock fall, Vajont Valley, northern Italy. <i>Geoinformatica</i> , <b>2009</b> , 13, 323-337	2.5	6
15	Evaluating data quality collected by volunteers for first-level inspection of hydraulic structures in mountain catchments. <i>Natural Hazards and Earth System Sciences</i> , <b>2014</b> , 14, 2681-2698	3.9	5
14	The Rotolon Catchment Early-Warning System <b>2015</b> , 91-95		5
13	Assessment of debris flow multiple-surge load model based on the physical process of debris-barrier interaction. <i>Landslides</i> ,1	6.6	4
12	When Enough Is Really Enough? On the Minimum Number of Landslides to Build Reliable Susceptibility Models. <i>Geosciences (Switzerland)</i> , <b>2021</b> , 11, 469	2.7	4
11	Integrated Monitoring of Lateral Spreading Phenomena Along the North-West Coast of the Island of Malta <b>2013</b> , 235-241		3
10	A Monitoring Network to Map and Assess Landslide Activity in a Highly Anthropized Area. <i>Geosciences (Switzerland)</i> , <b>2016</b> , 6, 40	2.7	3
9	Distributed acoustic sensing of debris flows in a physical model <b>2021</b> ,		2
8	Long-Term Monitoring to Support Landslide Inventory Maps: The Case of the North-Western Coast of the Island of Malta <b>2015</b> , 1307-1310		2

7	Capabilities of Continuous and Discontinuous Modelling of a Complex, Structurally Controlled Landslide. <i>Geotechnical and Geological Engineering</i> , <b>2016</b> , 34, 1677-1686	1.5	2
6	Coupling long-term GNSS monitoring and numerical modelling of lateral spreading for hazard assessment purposes. <i>Engineering Geology</i> , <b>2021</b> , 106466	6	1
5	Landslide susceptibility in the Belt and Road Countries: continental step of a multi-scale approach. <i>Environmental Earth Sciences</i> , <b>2021</b> , 80, 1	2.9	1
4	Backward automatic calibration for three-dimensional landslide models. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 231-241	6	0
3	Ganderberg Landslide Characterization Through Monitoring <b>2015</b> , 1327-1331		
2	Disaster Risk Reduction in Italy: A Case History of a High-Risk Landslide. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 161-174	0.3	
1	On the Use of Optical Fiber Sensors for Debris Flow Monitoring: A Review of Recent Achievements. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 60-70	0.3	