Veronica Tofani

List of Publications by Year in descending order

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70 papers	3,695 citations	172386 29 h-index	189801 50 g-index
72 all docs	72 docs citations	72 times ranked	3059 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	Landslide susceptibility estimation by random forests technique: sensitivity and scaling issues. Natural Hazards and Earth System Sciences, 2013, 13, 2815-2831.	1.5	444
3	Persistent Scatterer Interferometry (PSI) Technique for Landslide Characterization and Monitoring. Remote Sensing, 2013, 5, 1045-1065.	1.8	233
4	Spaceborne, UAV and ground-based remote sensing techniques for landslide mapping, monitoring and early warning. Geoenvironmental Disasters, 2017, 4, .	1.8	204
5	The new landslide inventory of Tuscany (Italy) updated with PS-InSAR: geomorphological features and landslide distribution. Landslides, 2018, 15, 5-19.	2.7	186
6	Multitemporal UAV surveys for landslide mapping and characterization. Landslides, 2018, 15, 1045-1052.	2.7	160
7	Persistent Scatterers Interferometry Hotspot and Cluster Analysis (PSI-HCA) for detection of extremely slow-moving landslides. International Journal of Remote Sensing, 2012, 33, 466-489.	1.3	125
8	HIRESSS: a physically based slope stability simulator for HPC applications. Natural Hazards and Earth System Sciences, 2013, 13, 151-166.	1.5	124
9	Technical Note: Use of remote sensing for landslide studies in Europe. Natural Hazards and Earth System Sciences, 2013, 13, 299-309.	1.5	115
10	Combination of GNSS, satellite InSAR, and GBInSAR remote sensing monitoring to improve the understanding of a large landslide in high alpine environment. Geomorphology, 2019, 335, 62-75.	1.1	95
11	Quantitative hazard and risk assessment for slow-moving landslides from Persistent Scatterer Interferometry. Landslides, 2014, 11, 685-696.	2.7	94
12	Soil characterization for shallow landslides modeling: a case study in the Northern Apennines (Central Italy). Landslides, 2017, 14, 755-770.	2.7	79
13	Application of a physically based model to forecast shallow landslides at a regional scale. Natural Hazards and Earth System Sciences, 2018, 18, 1919-1935.	1.5	78
14	Combination of Rainfall Thresholds and Susceptibility Maps for Dynamic Landslide Hazard Assessment at Regional Scale. Frontiers in Earth Science, 2018, 6, .	0.8	75
15	Landslides detection through optimized hot spot analysis on persistent scatterers and distributed scatterers. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 147-159.	4.9	71
16	Analysis of the landslide triggering mechanism during the storm of 20thâ€“21st November 2000, in Northern Tuscany. Landslides, 2006, 3, 13-21.	2.7	64
17	A Tool for Classification and Regression Using Random Forest Methodology: Applications to Landslide Susceptibility Mapping and Soil Thickness Modeling. Environmental Modeling and Assessment, 2017, 22, 201-214.	1.2	64
18	Root Reinforcement in Slope Stability Models: A Review. Geosciences (Switzerland), 2021, 11, 212.	1.0	61

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19	GIS techniques for regional-scale landslide susceptibility assessment: the Sicily (Italy) case study. International Journal of Geographical Information Science, 2013, 27, 1433-1452.	2.2	56
20	Persistent Scatterers continuous streaming for landslide monitoring and mapping: the case of the Tuscany region (Italy). Landslides, 2019, 16, 2033-2044.	2.7	55
21	A Sentinel-1 based hot-spot analysis: landslide mapping in north-western Italy. International Journal of Remote Sensing, 2019, 40, 7898-7921.	1.3	54
22	Risk analysis for the Ancona landslideâ€"II: estimation of risk to buildings. Landslides, 2015, 12, 83-100.	2.7	49
23	Landslide Susceptibility Mapping at National Scale: The Italian Case Study. , 2013, , 287-295.		48
24	Brief communication "A prototype forecasting chain for rainfall induced shallow landslides". Natural Hazards and Earth System Sciences, 2013, 13, 771-777.	1.5	47
25	Geotechnical and hydrological characterization of hillslope deposits for regional landslide prediction modeling. Bulletin of Engineering Geology and the Environment, 2019, 78, 4875-4891.	1.6	45
26	Subsidence mapping at regional scale using persistent scatters interferometry (PSI): The case of Tuscany region (Italy). International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 328-337.	1.4	44
27	Infiltration, seepage and slope instability mechanisms during the 20â€"21 November 2000 rainstorm in Tuscany, central Italy. Natural Hazards and Earth System Sciences, 2006, 6, 1025-1033.	1.5	41
28	Identification of landslide hazard and risk â€˜hotspotsâ€™ in Europe. Bulletin of Engineering Geology and the Environment, 2014, 73, 325.	1.6	41
29	Integration of Remote Sensing Techniques for Intensity Zonation within a Landslide Area: A Case Study in the Northern Apennines, Italy. Remote Sensing, 2014, 6, 907-924.	1.8	33
30	A Procedure to Map Subsidence at the Regional Scale Using the Persistent Scatterer Interferometry (PSI) Technique. Remote Sensing, 2014, 6, 10510-10522.	1.8	29
31	A new appraisal of the Ancona landslide based on geotechnical investigations and stability modelling. Quarterly Journal of Engineering Geology and Hydrogeology, 2014, 47, 29-43.	0.8	29
32	Spatial patterns of landslide dimension: A tool for magnitude mapping. Geomorphology, 2016, 273, 361-373.	1.1	29
33	Modeling debris flows in volcanic terrains for hazard mapping: the case study of Ischia Island (Italy). Landslides, 2015, 12, 831-846.	2.7	28
34	Spatial modeling of pyroclastic cover deposit thickness (depth to bedrock) in periâ€volcanic areas of Campania (southern Italy). Earth Surface Processes and Landforms, 2018, 43, 1757-1767.	1.2	27
35	Using Satellite Interferometry to Infer Landslide Sliding Surface Depth and Geometry. Remote Sensing, 2020, 12, 1462.	1.8	23
36	Satellite Data to Improve the Knowledge of Geohazards in World Heritage Sites. Remote Sensing, 2018, 10, 992.	1.8	21

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37	Landslide Characterization Using Satellite Interferometry (PSI), Geotechnical Investigations and Numerical Modelling: The Case Study of Ricasoli Village (Italy). International Journal of Geosciences, 2013, 04, 904-918.	0.2	21
38	Risk analysis for the Ancona landslideâ€"I: characterization of landslide kinematics. Landslides, 2015, 12, 69-82.	2.7	20
39	Characterization and Geotechnical Investigations of a Riverbank Failure in Florence, Italy, UNESCO World Heritage Site. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	1.5	14
40	Multiseasonal probabilistic slope stability analysis of a large area of unsaturated pyroclastic soils. Landslides, 2021, 18, 1259-1274.	2.7	14
41	Landslide susceptibility of the Pratoâ€"Pistoiaâ€"Lucca provinces, Tuscany, Italy. Journal of Maps, 2016, 12, 401-406.	1.0	13
42	Geotechnical in situ measures to improve landslides forecasting models: A case study in Tuscany (Central Italy). , 2016, , 419-424.		12
43	Multitemporal UAV Survey for Mass Movement Detection and Monitoring. , 2017, , 153-161.		10
44	Remote Sensing Techniques in Landslide Mapping and Monitoring, Keynote Lecture. , 2017, , 1-19.		10
45	A methodological approach of QRA for slow-moving landslides at a regional scale. Landslides, 2022, 19, 1539-1561.	2.7	9
46	Persistent Scatterer Interferometry (PSI) Technique for Landslide Characterization and Monitoring. , 2014, , 351-357.		8
47	TXT-tool 2.039-3.2 Ground-Based Remote Sensing Techniques for Landslides Mapping, Monitoring and Early Warning. , 2018, , 255-274.		6
48	Radar Technologies for Landslide Detection, Monitoring, Early Warning and Emergency Management. , 2015, , 209-232.		5
49	A Tool for the Automatic Aggregation and Validation of the Results of Physically Based Distributed Slope Stability Models. Water (Switzerland), 2021, 13, 2313.	1.2	5
50	Introduction: Remote Sensing Techniques for Landslide Mapping and Monitoring. , 2014, , 301-303.		5
51	Integration of multicopter drone measurements and ground-based data for landslide monitoring. , 2016, , 1745-1750.		4
52	Towards a National-Scale Dataset of Geotechnical and Hydrological Soil Parameters for Shallow Landslide Modeling. Data, 2022, 7, 37.	1.2	4
53	Establishment of ICL Italian network. Landslides, 2018, 15, 1907-1908.	2.7	3
54	Invited and accepted speakers of the Fifth World Landslide Forum in Kyoto, 2020. Landslides, 2019, 16, 431-446.	2.7	3

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55	TXT-tool 2.039-3.1: Satellite Remote Sensing Techniques for Landslides Detection and Mapping. , 2018, , 235-254.		2
56	KLC2020 implementation: challenges for the development of satellite landslide early warning systems. Landslides, 2021, 18, 3499-3502.	2.7	2
57	Short Term Weather Forecasting for Shallow Landslide Prediction. , 2013, , 121-129.		2
58	Reconstruction of the Slope Instability Conditions Before the 2016 Failure in an Urbanized District of Florence (Italy), a UNESCO World Heritage Site. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 449-455.	0.3	2
59	Monitoring and Early Warning Systems: Applications and Perspectives. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 1-21.	0.3	2
60	Shallow Landslides and Rockfalls Velocity Assessment at Regional Scale: A Methodology Based on a Morphometric Approach. Geosciences (Switzerland), 2022, 12, 177.	1.0	2
61	Department of Earth Sciences, University of Florence. Landslides, 2019, 16, 1809-1813.	2.7	1
62	A Look from Space. , 2009, , 287-319.		1
63	TXT-tool 4.039-3.3: Debris Flows Modeling for Hazard Mapping. , 2018, , 761-770.		0
64	EGU 2019 Sergey Soloviev Medal Lecture. Landslides, 2019, 16, 1613-1617.	2.7	0
65	PSI technique for quantitative hazard and risk assessment of landslides. Rendiconti Online Societa Geologica Italiana, 0, 35, 296-299.	0.3	0
66	Combination of rainfall thresholds and susceptibility maps in regional-scale landslide warning systems. , 2016, , 1817-1821.		0
67	Advanced Technologies for Landslides (WCoE 2014â€“2017, IPL-196, IPL-198). , 2017, , 269-277.		0
68	Soil Characterization for Landslide Forecasting Models: A Case Study in the Northern Apennines (Central Italy). , 2017, , 381-388.		0
69	Characterization of Hillslope Deposits for Physically-Based Landslide Forecasting Models. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 265-272.	0.3	0
70	Advanced Technologies for Landslides (WCoE 2017â€“2020). ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 259-265.	0.3	0