

# Giordano Teza

## List of Publications by Citations

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**Version:** 2024-04-27

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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.

40  
papers

1,011  
citations

19  
h-index

31  
g-index

42  
ext. papers

1,184  
ext. citations

4.2  
avg, IF

4.18  
L-index

#	Paper	IF	Citations
40	Can pseudotachylytes be used to infer earthquake source parameters? An example of limitations in the study of exhumed faults. <i>Tectonophysics</i> , <b>2005</b> , 402, 3-20	3.1	115
39	Discrimination between marls and limestones using intensity data from terrestrial laser scanner. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2009</b> , 64, 522-528	11.8	91
38	Characterization of landslide ground surface kinematics from terrestrial laser scanning and strain field computation. <i>Geomorphology</i> , <b>2008</b> , 97, 424-437	4.3	66
37	Contactless recognition of concrete surface damage from laser scanning and curvature computation. <i>NDT and E International</i> , <b>2009</b> , 42, 240-249	4.1	64
36	Laser scanning-based recognition of rotational movements on a deep seated gravitational instability: The Cinque Torri case (North-Eastern Italian Alps). <i>Geomorphology</i> , <b>2010</b> , 122, 191-204	4.3	63
35	Terrestrial Laser Scanner Resolution: Numerical Simulations and Experiments on Spatial Sampling Optimization. <i>Remote Sensing</i> , <b>2011</b> , 3, 167-184	5	61
34	A laser scanning-based method for fast estimation of seismic-induced building deformations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 79, 185-198	11.8	57
33	Grid_strain and grid_strain3: Software packages for strain field computation in 2D and 3D environments. <i>Computers and Geosciences</i> , <b>2008</b> , 34, 1142-1153	4.5	56
32	IRTROCK: A MATLAB toolbox for contactless recognition of surface and shallow weakness of a rock cliff by infrared thermography. <i>Computers and Geosciences</i> , <b>2012</b> , 45, 109-118	4.5	41
31	Empirical modeling of maps of geo-exchange potential for shallow geothermal energy at regional scale. <i>Geothermics</i> , <b>2015</b> , 57, 173-184	4.3	38
30	Integration of intensity textures and local geometry descriptors from Terrestrial Laser Scanning to map chert in outcrops. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2014</b> , 93, 88-97	11.8	30
29	Integration of Radar Interferometry and Laser Scanning for Remote Monitoring of an Urban Site Built on a Sliding Slope. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2006</b> , 44, 2335-2342	8.1	30
28	UCP4C mediates uncoupled respiration in larvae of <i>Drosophila melanogaster</i> . <i>EMBO Reports</i> , <b>2014</b> , 15, 586-91	6.5	26
27	Geometric characterization of a cylinder-shaped structure from laser scanner data: Development of an analysis tool and its use on a leaning bell tower. <i>Journal of Cultural Heritage</i> , <b>2013</b> , 14, 411-423	2.9	26
26	Long-term performance of an irregular shaped borehole heat exchanger system: Analysis of real pattern and regular grid approximation. <i>Geothermics</i> , <b>2012</b> , 43, 45-56	4.3	26
25	Morphological Analysis for Architectural Applications: Comparison between Laser Scanning and Structure-from-Motion Photogrammetry. <i>Journal of Surveying Engineering, - ASCE</i> , <b>2016</b> , 142, 04016004	1.3	25
24	Multitemporal laser scanner-based observation of the Mt. Vesuvius crater: Characterization of overall geometry and recognition of landslide events. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2011</b> , 66, 327-336	11.8	24

23	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
22	Subsurface thermal conductivity assessment in Calabria (southern Italy): a regional case study. <i>Environmental Earth Sciences</i> , <b>2014</b> , 72, 1383-1401	2.9	19
21	Remote Sensing and Geodetic Measurements for Volcanic Slope Monitoring: Surface Variations Measured at Northern Flank of La Fossa Cone (Vulcano Island, Italy). <i>Remote Sensing</i> , <b>2013</b> , 5, 2238-2256	5	16
20	Improving strain rate estimation from velocity data of non-permanent GPS stations: the Central Apennine study case (Italy). <i>GPS Solutions</i> , <b>2009</b> , 13, 249-261	4.4	15
19	Dynamics and mass balance of the 2007 Cima Una rockfall (Eastern Alps, Italy). <i>Landslides</i> , <b>2013</b> , 10, 393-408	4.8	14
18	The first Italian blast-induced liquefaction test (Mirabello, Emilia-Romagna, Italy): description of the experiment and preliminary results. <i>Annals of Geophysics</i> , <b>2017</b> , 60,	1.1	14
17	Blast-induced liquefaction in silty sands for full-scale testing of ground improvement methods: Insights from a multidisciplinary study. <i>Engineering Geology</i> , <b>2020</b> , 265, 105437	6	13
16	A new hydrostratigraphic model of Venice area (Italy). <i>Environmental Earth Sciences</i> , <b>2012</b> , 66, 1021-1030	2.9	12
15	Multisensor surveys of tall historical buildings in high seismic hazard areas before and during a seismic sequence. <i>Journal of Cultural Heritage</i> , <b>2015</b> , 16, 255-266	2.9	9
14	THIMRAN : MATLAB Toolbox for Thermal Image Processing Aimed at Damage Recognition in Large Bodies. <i>Journal of Computing in Civil Engineering</i> , <b>2014</b> , 28, 04014017	5	7
13	Stratigraphy modeling and thermal conductivity computation in areas characterized by Quaternary sediments. <i>Geothermics</i> , <b>2015</b> , 57, 145-156	4.3	6
12	Characterization of soil deformation due to blast-induced liquefaction by UAV-based photogrammetry and terrestrial laser scanning. <i>International Journal of Remote Sensing</i> , <b>2018</b> , 39, 8317-8336	3.1	5
11	SURMODERR: A MATLAB toolbox for estimation of velocity uncertainties of a non-permanent GPS station. <i>Computers and Geosciences</i> , <b>2010</b> , 36, 1033-1041	4.5	5
10	Strategy for the detection of vertical movements in historical environments from fast high-precision GPS measurements. <i>Journal of Geophysics and Engineering</i> , <b>2012</b> , 9, 230-240	1.3	4
9	Strain rate computation in Northern Victoria Land (Antarctica) from episodic GPS surveys. <i>Geophysical Journal International</i> , <b>2012</b> , 189, 851-862	2.6	3
8	Rockfall precursor detection based on rock fracturing monitoring by means of optical fibre sensors. <i>International Journal of Sustainable Materials and Structural Systems</i> , <b>2013</b> , 1, 123	0.6	2
7	Omeonga: a possible large impact structure on the Eastern Kasai Province (D.R. Congo)?. <i>Meteoritics and Planetary Science</i> , <b>2011</b> , 46, 1804-1813	2.8	2
6	Evaluation of the temperature pattern of a complex body from thermal imaging and 3D information: A method and its MATLAB implementation. <i>Infrared Physics and Technology</i> , <b>2019</b> , 96, 228-237	2.7	2

5	Resolution and Precision of Fast Long-Range Terrestrial Photogrammetric Surveying Aimed at Detecting Slope Changes. <i>Journal of Surveying Engineering</i> , - ASCE, <b>2020</b> , 146, 04020017	1.3	1
4	Post-Collapse Evolution of a Rapid Landslide from Sequential Analysis with FE and SPH-Based Models. <i>Geosciences (Switzerland)</i> , <b>2021</b> , 11, 364	2.7	1
3	Remote Sensing of Induced Liquefaction: TLS and SfM for a Full-Scale Blast Test. <i>Journal of Surveying Engineering</i> , - ASCE, <b>2022</b> , 148, 04021026	1.3	1
2	The role of geoenvironmental sciences in Cultural Heritage preservation: the case of 1000 year old leaning bell tower of Caorle (Venice). <i>Journal of Cultural Heritage</i> , <b>2019</b> , 39, 270-277	2.9	0
1	Wadenow: A Matlab Toolbox for Early Forecasting of the Velocity Trend of a Rainfall-Triggered Landslide by Means of Continuous Wavelet Transform and Deep Learning. <i>Geosciences (Switzerland)</i> , <b>2022</b> , 12, 205	2.7	0