

Giordano Teza

List of Publications by Year in Descending Order

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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	Remote Sensing of Induced Liquefaction: TLS and SfM for a Full-Scale Blast Test. <i>Journal of Surveying Engineering, - ASCE</i> , 2022 , 148, 04021026	1.3	1
39	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> , 2022 , 12, 205	2.7	0
38	Post-Collapse Evolution of a Rapid Landslide from Sequential Analysis with FE and SPH-Based Models. <i>Geosciences (Switzerland)</i> , 2021 , 11, 364	2.7	1
37	Resolution and Precision of Fast Long-Range Terrestrial Photogrammetric Surveying Aimed at Detecting Slope Changes. <i>Journal of Surveying Engineering, - ASCE</i> , 2020 , 146, 04020017	1.3	1
36	Blast-induced liquefaction in silty sands for full-scale testing of ground improvement methods: Insights from a multidisciplinary study. <i>Engineering Geology</i> , 2020 , 265, 105437	6	13
35	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> , 2019 , 39, 270-277	2.9	0
34	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> , 2019 , 96, 228-237	2.7	2
33	Characterization of soil deformation due to blast-induced liquefaction by UAV-based photogrammetry and terrestrial laser scanning. <i>International Journal of Remote Sensing</i> , 2018 , 39, 8317-8336	3.1	5
32	The first Italian blast-induced liquefaction test (Mirabello, Emilia-Romagna, Italy): description of the experiment and preliminary results. <i>Annals of Geophysics</i> , 2017 , 60,	1.1	14
31	Morphological Analysis for Architectural Applications: Comparison between Laser Scanning and Structure-from-Motion Photogrammetry. <i>Journal of Surveying Engineering, - ASCE</i> , 2016 , 142, 04016004	1.3	25
30	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> , 2015 , 76, 1535-1549	2.7	21
29	Empirical modeling of maps of geo-exchange potential for shallow geothermal energy at regional scale. <i>Geothermics</i> , 2015 , 57, 173-184	4.3	38
28	Stratigraphy modeling and thermal conductivity computation in areas characterized by Quaternary sediments. <i>Geothermics</i> , 2015 , 57, 145-156	4.3	6
27	Multisensor surveys of tall historical buildings in high seismic hazard areas before and during a seismic sequence. <i>Journal of Cultural Heritage</i> , 2015 , 16, 255-266	2.9	9
26	Subsurface thermal conductivity assessment in Calabria (southern Italy): a regional case study. <i>Environmental Earth Sciences</i> , 2014 , 72, 1383-1401	2.9	19
25	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> , 2014 , 93, 88-97	11.8	30
24	THIMRAN : MATLAB Toolbox for Thermal Image Processing Aimed at Damage Recognition in Large Bodies. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 04014017	5	7

23	UCP4C mediates uncoupled respiration in larvae of <i>Drosophila melanogaster</i> . <i>EMBO Reports</i> , 2014 , 15, 586-91	6.5	26
22	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> , 2013 , 14, 411-423	2.9	26
21	Dynamics and mass balance of the 2007 Cima Una rockfall (Eastern Alps, Italy). <i>Landslides</i> , 2013 , 10, 393-408	4.0	14
20	A laser scanning-based method for fast estimation of seismic-induced building deformations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013 , 79, 185-198	11.8	57
19	Rockfall precursor detection based on rock fracturing monitoring by means of optical fibre sensors. <i>International Journal of Sustainable Materials and Structural Systems</i> , 2013 , 1, 123	0.6	2
18	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> , 2013 , 5, 2238-2256	5.5	16
17	IRTROCK: A MATLAB toolbox for contactless recognition of surface and shallow weakness of a rock cliff by infrared thermography. <i>Computers and Geosciences</i> , 2012 , 45, 109-118	4.5	41
16	Long-term performance of an irregular shaped borehole heat exchanger system: Analysis of real pattern and regular grid approximation. <i>Geothermics</i> , 2012 , 43, 45-56	4.3	26
15	A new hydrostratigraphic model of Venice area (Italy). <i>Environmental Earth Sciences</i> , 2012 , 66, 1021-1030	2.9	12
14	Strain rate computation in Northern Victoria Land (Antarctica) from episodic GPS surveys. <i>Geophysical Journal International</i> , 2012 , 189, 851-862	2.6	3
13	Strategy for the detection of vertical movements in historical environments from fast high-precision GPS measurements. <i>Journal of Geophysics and Engineering</i> , 2012 , 9, 230-240	1.3	4
12	Omeonga: a possible large impact structure on the Eastern Kasai Province (D.R. Congo)?. <i>Meteoritics and Planetary Science</i> , 2011 , 46, 1804-1813	2.8	2
11	Terrestrial Laser Scanner Resolution: Numerical Simulations and Experiments on Spatial Sampling Optimization. <i>Remote Sensing</i> , 2011 , 3, 167-184	5	61
10	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> , 2011 , 66, 327-336	11.8	24
9	Laser scanning-based recognition of rotational movements on a deep seated gravitational instability: The Cinque Torri case (North-Eastern Italian Alps). <i>Geomorphology</i> , 2010 , 122, 191-204	4.3	63
8	SURMODERR: A MATLAB toolbox for estimation of velocity uncertainties of a non-permanent GPS station. <i>Computers and Geosciences</i> , 2010 , 36, 1033-1041	4.5	5
7	Improving strain rate estimation from velocity data of non-permanent GPS stations: the Central Apennine study case (Italy). <i>GPS Solutions</i> , 2009 , 13, 249-261	4.4	15
6	Contactless recognition of concrete surface damage from laser scanning and curvature computation. <i>NDT and E International</i> , 2009 , 42, 240-249	4.1	64

5	Discrimination between marls and limestones using intensity data from terrestrial laser scanner. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2009 , 64, 522-528	11.8	91
4	Grid_strain and grid_strain3: Software packages for strain field computation in 2D and 3D environments. <i>Computers and Geosciences</i> , 2008 , 34, 1142-1153	4.5	56
3	Characterization of landslide ground surface kinematics from terrestrial laser scanning and strain field computation. <i>Geomorphology</i> , 2008 , 97, 424-437	4.3	66
2	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> , 2006 , 44, 2335-2342	8.1	30
1	Can pseudotachylytes be used to infer earthquake source parameters? An example of limitations in the study of exhumed faults. <i>Tectonophysics</i> , 2005 , 402, 3-20	3.1	115