# Giordano Teza

List of Publications by Year
in descending order



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|---|---|---|---|
| 41 papers | 1,320 citations | 361296 20 h-index | 345118 36 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 1655 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Can pseudotachylytes be used to infer earthquake source parameters? An example of limitations in the study of exhumed faults. Tectonophysics, 2005, 402, 3-20. | 0.9 | 138 |
| 2 | Laser scanning-based recognition of rotational movements on a deep seated gravitational instability: The Cinque Torri case (North-Eastern Italian Alps). Geomorphology, 2010, 122, 191-204. | 1.1 | 113 |
| 3 | Discrimination between marls and limestones using intensity data from terrestrial laser scanner. ISPRS Journal of Photogrammetry and Remote Sensing, 2009, 64, 522-528. | 4.9 | 111 |
| 4 | Contactless recognition of concrete surface damage from laser scanning and curvature computation. NDT and E International, 2009, 42, 240-249. | 1.7 | 84 |
| 5 | Grid_strain and grid_strain3: Software packages for strain field computation in 2D and 3D environments. Computers and Geosciences, 2008, 34, 1142-1153. | 2.0 | 82 |
| 6 | Characterization of landslide ground surface kinematics from terrestrial laser scanning and strain field computation. Geomorphology, 2008, 97, 424-437. | 1.1 | 79 |
| 7 | Terrestrial Laser Scanner Resolution: Numerical Simulations and Experiments on Spatial Sampling Optimization. Remote Sensing, 2011, 3, 167-184. | 1.8 | 71 |
| 8 | A laser scanning-based method for fast estimation of seismic-induced building deformations. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 79, 185-198. | 4.9 | 70 |
| 9 | IRTROCK: A MATLAB toolbox for contactless recognition of surface and shallow weakness of a rock cliff by infrared thermography. Computers and Geosciences, 2012, 45, 109-118. | 2.0 | 51 |
| 10 | Empirical modeling of maps of geo-exchange potential for shallow geothermal energy at regional scale. Geothermics, 2015, 57, 173-184. | 1.5 | 43 |
| 11 | Integration of intensity textures and local geometry descriptors from Terrestrial Laser Scanning to map chert in outcrops. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 93, 88-97. | 4.9 | 40 |
| 12 | Morphological Analysis for Architectural Applications: Comparison between Laser Scanning and Structure-from-Motion Photogrammetry. Journal of Surveying Engineering, - ASCE, 2016, 142, . | 1.0 | 35 |
| 13 | Integration of Radar Interferometry and Laser Scanning for Remote Monitoring of an Urban Site Built on a Sliding Slope. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 2335-2342. | 2.7 | 34 |
| 14 | 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 |
| 15 | Geometric characterization of a cylinder-shaped structure from laser scanner data: Development of an analysis tool and its use on a leaning bell tower. Journal of Cultural Heritage, 2013, 14, 411-423. | 1.5 | 33 |
| 16 | UCP4C mediates uncoupled respiration in larvae of Drosophila melanogaster. EMBO Reports, 2014, 15, 586-591. | 2.0 | 31 |
| 17 | Long-term performance of an irregular shaped borehole heat exchanger system: Analysis of real pattern and regular grid approximation. Geothermics, 2012, 43, 45-56. | 1.5 | 30 |
| 18 | Multitemporal laser scanner-based observation of the Mt. Vesuvius crater: Characterization of overall geometry and recognition of landslide events. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 327-336. | 4.9 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Blast-induced liquefaction in silty sands for full-scale testing of ground improvement methods: Insights from a multidisciplinary study. Engineering Geology, 2020, 265, 105437. | 2.9 | 24 |
| 20 | Subsurface thermal conductivity assessment in Calabria (southern Italy): a regional case study. Environmental Earth Sciences, 2014, 72, 1383-1401. | 1.3 | 23 |
| 21 | Remote Sensing and Geodetic Measurements for Volcanic Slope Monitoring: Surface Variations Measured at Northern Flank of La Fossa Cone (Vulcano Island, Italy). Remote Sensing, 2013, 5, 2238-2256. | 1.8 | 20 |
| 22 | Improving strain rate estimation from velocity data of non-permanent GPS stations: the Central Apennine study case (Italy). GPS Solutions, 2009, 13, 249-261. | 2.2 | 18 |
| 23 | The first Italian blast-induced liquefaction test (Mirabello, Emilia-Romagna, Italy): description of the experiment and preliminary results. Annals of Geophysics, 2017, 60, . | 0.5 | 18 |
| 24 | Dynamics and mass balance of the 2007 Cima Una rockfall (Eastern Alps, Italy). Landslides, 2013, 10, 393-408. | 2.7 | 17 |
| 25 | A new hydrostratigraphic model of Venice area (Italy). Environmental Earth Sciences, 2012, 66, 1021-1030. | 1.3 | 14 |
| 26 | Multisensor surveys of tall historical buildings in high seismic hazard areas before and during a seismic sequence. Journal of Cultural Heritage, 2015, 16, 255-266. | 1.5 | 13 |
| 27 | Non-permanent GPS data for regional-scale kinematics: reliable deformation rate before the 6 April, 2009, earthquake in the L'Aquila area. Annals of Geophysics, 2010, 53, . | 0.5 | 11 |
| 28 | THIMRAN : MATLAB Toolbox for Thermal Image Processing Aimed at Damage Recognition in Large Bodies. Journal of Computing in Civil Engineering, 2014, 28, 04014017. | 2.5 | 7 |
| 29 | Stratigraphy modeling and thermal conductivity computation in areas characterized by Quaternary sediments. Geothermics, 2015, 57, 145-156. | 1.5 | 7 |
| 30 | SURMODERR: A MATLAB toolbox for estimation of velocity uncertainties of a non-permanent GPS station. Computers and Geosciences, 2010, 36, 1033-1041. | 2.0 | 6 |
| 31 | Evaluation of the temperature pattern of a complex body from thermal imaging and 3D information: A method and its MATLAB implementation. Infrared Physics and Technology, 2019, 96, 228-237. | 1.3 | 6 |
| 32 | Characterization of soil deformation due to blast-induced liquefaction by UAV-based photogrammetry and terrestrial laser scanning. International Journal of Remote Sensing, 2018, 39, 8317-8336. | 1.3 | 5 |
| 33 | 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. Geosciences (Switzerland), 2022, 12, 205. | 1.0 | 5 |
| 34 | Strategy for the detection of vertical movements in historical environments from fast high-precision GPS measurements. Journal of Geophysics and Engineering, 2012, 9, 230-240. | 0.7 | 4 |
| 35 | Strain rate computation in Northern Victoria Land (Antarctica) from episodic GPS surveys. Geophysical Journal International, 2012, 189, 851-862. | 1.0 | 4 |
| 36 | Post-Collapse Evolution of a Rapid Landslide from Sequential Analysis with FE and SPH-Based Models. Geosciences (Switzerland), 2021, 11, 364. | 1.0 | 3 |

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|---|---|---|---|
| 37 | Omeongaâ€"A possible large impact structure on the Eastern Kasai Province (D.R. Congo)?. Meteoritics and Planetary Science, 2011, 46, 1804-1813. | 0.7 | 2 |
| 38 | Rockfall precursor detection based on rock fracturing monitoring by means of optical fibre sensors. International Journal of Sustainable Materials and Structural Systems, 2013, 1, 123. | 0.2 | 2 |
| 39 | The role of geoenvironmental sciences in Cultural Heritage preservation: the case of 1000 year old leaning bell tower of Caorle (Venice). Journal of Cultural Heritage, 2019, 39, 270-277. | 1.5 | 2 |
| 40 | Resolution and Precision of Fast Long-Range Terrestrial Photogrammetric Surveying Aimed at Detecting Slope Changes. Journal of Surveying Engineering, - ASCE, 2020, 146, 04020017. | 1.0 | 2 |
| 41 | Remote Sensing of Induced Liquefaction: TLS and SfM for a Full-Scale Blast Test. Journal of Surveying Engineering, - ASCE, 2022, 148, 04021026. | 1.0 | 2 |