

Arianna Pesci

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.

34
papers

1,106
citations

18
h-index

33
g-index

35
ext. papers

1,223
ext. citations

3.9
avg, IF

4.21
L-index

#	Paper	IF	Citations
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	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
25	Deformation of Ancient Buildings inferred by Terrestrial Laser Scanning methodology: the Cantalovo church case study (Northern Italy)*. <i>Archaeometry</i> , 2014 , 56, 703-716	1.6	13
24	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
23	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
22	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	16
21	Liquefaction phenomena associated with the Emilia earthquake sequence of May-June 2012 (Northern Italy). <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 935-947	3.9	49
20	Laser scanning and digital imaging for the investigation of an ancient building: Palazzo d'Accursio study case (Bologna, Italy). <i>Journal of Cultural Heritage</i> , 2012 , 13, 215-220	2.9	39
19	Strain rate computation in Northern Victoria Land (Antarctica) from episodic GPS surveys. <i>Geophysical Journal International</i> , 2012 , 189, 851-862	2.6	3
18	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

17	Technologies and new approaches used by the INGV EMERGEO Working Group for real-time data sourcing and processing during the Emilia Romagna (northern Italy) 2012 earthquake sequence. <i>Annals of Geophysics</i> , 2012 , 55,	1.1	12
16	Terrestrial Laser Scanner Resolution: Numerical Simulations and Experiments on Spatial Sampling Optimization. <i>Remote Sensing</i> , 2011 , 3, 167-184	5	61
15	Laser scanning the Garisenda and Asinelli towers in Bologna (Italy): Detailed deformation patterns of two ancient leaning buildings. <i>Journal of Cultural Heritage</i> , 2011 , 12, 117-127	2.9	72
14	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
13	High resolution topographic model of Panarea Island by fusion of photogrammetric, lidar and bathymetric digital terrain models. <i>Photogrammetric Record</i> , 2010 , 25, 382-401	1.7	18
12	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
11	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
10	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
9	GPS-based monitoring of land subsidence in the Po Plain (Northern Italy). <i>Earth and Planetary Science Letters</i> , 2009 , 288, 204-212	5.3	62
8	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
7	Characterization of landslide ground surface kinematics from terrestrial laser scanning and strain field computation. <i>Geomorphology</i> , 2008 , 97, 424-437	4.3	66
6	Surface movements in Bologna (Po Plain Italy) detected by multitemporal DInSAR. <i>Remote Sensing of Environment</i> , 2007 , 110, 304-316	13.2	84
5	Integration of ground-based laser scanner and aerial digital photogrammetry for topographic modelling of Vesuvio volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2007 , 162, 123-138	2.8	29
4	Global Positioning Systems and digital photogrammetry for the monitoring of mass movements: application to the Ca' di Malta landslide (northern Apennines, Italy). <i>Engineering Geology</i> , 2003 , 68, 103-121	6	96
3	Insights into present-day crustal motion in the central Mediterranean area from GPS surveys. <i>Geophysical Journal International</i> , 2001 , 146, 98-110	2.6	62
2	Modeling coseismic displacements resulting from SAR interferometry and GPS measurements during the 1997 Umbria-Marche seismic sequence. <i>Journal of Seismology</i> , 2000 , 4, 479-499	1.5	44
1	Modelling coseismic displacements during the 1997 Umbria-Marche earthquake (central Italy). <i>Geophysical Journal International</i> , 1999 , 139, 283-295	2.6	32