

# Giuseppe Casula

## List of Publications by Citations

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**Version:** 2024-04-26

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31  
papers

641  
citations

13  
h-index

25  
g-index

36  
ext. papers

706  
ext. citations

3.3  
avg. IF

3.58  
L-index

#	Paper	IF	Citations
31	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> , <b>2003</b> , 68, 103-121	6.6	96
30	Laser scanning the Garisenda and Asinelli towers in Bologna (Italy): Detailed deformation patterns of two ancient leaning buildings. <i>Journal of Cultural Heritage</i> , <b>2011</b> , 12, 117-127	2.9	72
29	Combined use of terrestrial laser scanning and IR thermography applied to a historical building. <i>Sensors</i> , <b>2014</b> , 15, 194-213	3.8	65
28	Insights into present-day crustal motion in the central Mediterranean area from GPS surveys. <i>Geophysical Journal International</i> , <b>2001</b> , 146, 98-110	2.6	62
27	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
26	Repeated GPS surveys across the Ionian Sea: evidence of crustal deformations. <i>Geophysical Journal International</i> , <b>1996</b> , 127, 257-267	2.6	34
25	Integrated ultrasonic, laser scanning and petrographical characterisation of carbonate building materials on an architectural structure of a historic building. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2017</b> , 76, 71-84	4	32
24	An innovative methodology for the non-destructive diagnosis of architectural elements of ancient historical buildings. <i>Scientific Reports</i> , <b>2018</b> , 8, 4334	4.9	25
23	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
22	A calibration system for superconducting gravimeters. <i>Bulletin Geodesique</i> , <b>1995</b> , 69, 73-80		24
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 <sup>5</sup>		16
20	Detection of Terrain Morphologic Features Using GPS, TLS, and Land Surveys: Ilana della Volpe Blind Valley Case Study. <i>Journal of Surveying Engineering, - ASCE</i> , <b>2010</b> , 136, 132-138	1.3	16
19	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
18	An experimental application of a 3D terrestrial laser scanner and acoustic techniques in assessing the quality of the stones used in monumental structures. <i>International Journal of Microstructure and Materials Properties</i> , <b>2009</b> , 4, 45	0.4	13
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> , <b>2012</b> , 55,	1.1	12
16	The RING network: improvement of a GPS velocity field in the central Mediterranean. <i>Annals of Geophysics</i> , <b>2010</b> , 53,	1.1	9
15	Detailed Petrophysical and Geophysical Characterization of Core Samples from the Potential Caprock-reservoir System in the Sulcis Coal Basin (Southwestern Sardinia Italy). <i>Energy Procedia</i> , <b>2015</b> , 76, 503-511	2.3	8

14	Three-dimensional imaging from laser scanner, photogrammetric and acoustic non-destructive techniques in the characterization of stone building materials. <i>Advances in Geosciences</i> ,45, 57-62		8
13	Characterization of Rock Samples by A High-Resolution Multi-Technique Non-Invasive Approach. <i>Minerals (Basel, Switzerland)</i> , <b>2019</b> , 9, 664	2.4	8
12	Geodynamics of the Calabrian Arc area (Italy) inferred from a dense GNSS network observations. <i>Geodesy and Geodynamics</i> , <b>2016</b> , 7, 76-86	1.8	6
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	High resolution 3-D modelling of cylinder shape bodies applied to ancient columns of a church. <i>Advances in Geosciences</i> ,54, 119-127		5
9	A Contribution to the Geological Characterization of a Potential Caprock-Reservoir System in the Sulcis Coal Basin (South-Western Sardinia). <i>Energies</i> , <b>2019</b> , 12, 4524	3.1	5
8	The MASSIMO system for the safeguarding of historic buildings in a seismic area: operationally-oriented platforms. <i>European Journal of Remote Sensing</i> , <b>2016</b> , 49, 397-415	2.9	4
7	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
6	POST-LATE MIOCENE KINEMATICS OF THE ADRIA MICROPLATE: INFERENCES FROM GEOLOGICAL, GEOPHYSICAL AND GEODETIC DATA <b>2006</b> , 51-69		4
5	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
4	Comparison of the historic seismicity and strain-rate pattern from a dense GPS-GNSS network solution in the Italian Peninsula. <i>Geodesy and Geodynamics</i> , <b>2016</b> , 7, 303-316	1.8	3
3	Modeling environmental bias and computing velocity field from data of Terra Nova Bay GPS network in Antarctica by means of a quasi-observation processing approach. <i>US Geological Survey Open-File Report</i> ,		2
2	3D Imaging of CRP and Ultrasonic Tomography to Detect Decay in a Living Adult Holm Oak ( <i>Quercus ilex</i> L.) in Sardinia (Italy). <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1199	2.6	2
1	Decay Detection in an Ancient Column with Combined Close-Range Photogrammetry (CRP) and Ultrasonic Tomography. <i>Minerals (Basel, Switzerland)</i> , <b>2021</b> , 11, 1114	2.4	