

Giuseppe Casula

List of Publications by Year in descending order

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32
papers

805
citations

567144

15
h-index

526166

27
g-index

36
all docs

36
docs citations

36
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.9	116
2	Combined Use of Terrestrial Laser Scanning and IR Thermography Applied to a Historical Building. <i>Sensors</i> , 2015, 15, 194-213.	2.1	87
3	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.	1.5	81
4	Insights into present-day crustal motion in the central Mediterranean area from GPS surveys. <i>Geophysical Journal International</i> , 2001, 146, 98-110.	1.0	71
5	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.	4.9	70
6	An innovative methodology for the non-destructive diagnosis of architectural elements of ancient historical buildings. <i>Scientific Reports</i> , 2018, 8, 4334.	1.6	42
7	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> , 2017, 76, 71-84.	1.6	39
8	Repeated GPS surveys across the Ionian Sea: evidence of crustal deformations. <i>Geophysical Journal International</i> , 1996, 127, 257-267.	1.0	34
9	A calibration system for superconducting gravimeters. <i>Bulletin Geodesique</i> , 1995, 69, 73-80.	0.4	28
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.	4.9	26
11	The RING network: improvement of a GPS velocity field in the central Mediterranean. <i>Annals of Geophysics</i> , 2010, 53, .	0.5	23
12	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.	1.8	20
13	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.	2.2	18
14	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> , 2009, 4, 45.	0.1	16
15	Detection of Terrain Morphologic Features Using GPS, TLS, and Land Surveys: "Tana della Volpe" Blind Valley Case Study. <i>Journal of Surveying Engineering</i> , - ASCE, 2010, 136, 132-138.	1.0	16
16	Technologies and new approaches used by the INGV EMERGEIO 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, .	0.5	14
17	Three-dimensional imaging from laser scanner, photogrammetric and acoustic non-destructive techniques in the characterization of stone building materials. <i>Advances in Geosciences</i> , 0, 45, 57-62.	12.0	12
18	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> , 2015, 76, 503-511.	1.8	11

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19	Non-permanent GPS data for regional-scale kinematics: reliable deformation rate before the 6 April, 2009, earthquake in the L'Aquila area. <i>Annals of Geophysics</i> , 2010, 53, .	0.5	11
20	POST-LATE MIOCENE KINEMATICS OF THE ADRIA MICROPLATE: INFERENCES FROM GEOLOGICAL, GEOPHYSICAL AND GEODETIC DATA. , 2006, , 51-69.		8
21	Characterization of Rock Samples by A High-Resolution Multi-Technique Non-Invasive Approach. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 664.	0.8	8
22	High resolution 3-D modelling of cylinder shape bodies applied to ancient columns of a church. <i>Advances in Geosciences</i> , 0, 54, 119-127.	12.0	7
23	SURMODERR: A MATLAB toolbox for estimation of velocity uncertainties of a non-permanent GPS station. <i>Computers and Geosciences</i> , 2010, 36, 1033-1041.	2.0	6
24	Geodynamics of the Calabrian Arc area (Italy) inferred from a dense GNSS network observations. <i>Geodesy and Geodynamics</i> , 2016, 7, 76-86.	1.0	6
25	A Contribution to the Geological Characterization of a Potential Caprock-Reservoir System in the Sulcis Coal Basin (South-Western Sardinia). <i>Energies</i> , 2019, 12, 4524.	1.6	6
26	3D Imaging of CRP and Ultrasonic Tomography to Detect Decay in a Living Adult Holm Oak (<i>Quercus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	6
27	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.	0.7	4
28	Strain rate computation in Northern Victoria Land (Antarctica) from episodic GPS surveys. <i>Geophysical Journal International</i> , 2012, 189, 851-862.	1.0	4
29	The MASSIMO system for the safeguarding of historic buildings in a seismic area: operationally-oriented platforms. <i>European Journal of Remote Sensing</i> , 2016, 49, 397-415.	1.7	4
30	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> , 2016, 7, 303-316.	1.0	4
31	GPS Data Processing of Five Years of More Than 300 Permanent Station Database With the Distributed Sessions Approach Using Gamit/Globk 10.5 Data Analysis Software in Italian Peninsula. , 0, , .		2
32	Decay Detection in an Ancient Column with Combined Close-Range Photogrammetry (CRP) and Ultrasonic Tomography. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1114.	0.8	0