

Giuseppe Di Giulio

List of Publications by Year in descending order

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77
papers

2,399
citations

279487

23
h-index

233125

45
g-index

81
all docs

81
docs citations

81
times ranked

1658
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the good practice of surface wave analysis: a product of the InterPACIFIC project. Bulletin of Earthquake Engineering, 2018, 16, 2367-2420.	2.3	334
2	Empirical evaluation of microtremor H/V spectral ratio. Bulletin of Earthquake Engineering, 2008, 6, 75-108.	2.3	207
3	Geopsy: A User-Friendly Open-Source Tool Set for Ambient Vibration Processing. Seismological Research Letters, 2020, 91, 1878-1889.	0.8	203
4	InterPACIFIC project: Comparison of invasive and non-invasive methods for seismic site characterization. Part I: Intra-comparison of surface wave methods. Soil Dynamics and Earthquake Engineering, 2016, 82, 222-240.	1.9	145
5	Evaluation of the influence of experimental conditions on H/V results from ambient noise recordings. Bulletin of Earthquake Engineering, 2008, 6, 33-74.	2.3	112
6	Ground structure imaging by inversions of Rayleigh wave ellipticity: sensitivity analysis and application to European strong-motion sites. Geophysical Journal International, 2013, 192, 207-229.	1.0	94
7	Deriving Wavefield Characteristics and Shear-Velocity Profiles from Two-Dimensional Small-Aperture Arrays Analysis of Ambient Vibrations in a Small-Size Alluvial Basin, Colfiorito, Italy. Bulletin of the Seismological Society of America, 2006, 96, 1915-1933.	1.1	85
8	Site Amplifications Observed in the Gubbio Basin, Central Italy: Hints for Lateral Propagation Effects. Bulletin of the Seismological Society of America, 2009, 99, 741-760.	1.1	73
9	Exploring the model space and ranking a best class of models in surface-wave dispersion inversion: Application at European strong-motion sites. Geophysics, 2012, 77, B147-B166.	1.4	56
10	A Study on Seismic Noise Variations at Colfiorito, Central Italy: Implications for the Use of H/V Spectral Ratios. Geophysical Research Letters, 2003, 30, .	1.5	49
11	Microtremor Measurements in the City of Palermo, Italy: Analysis of the Correlation between Local Geology and Damage. Bulletin of the Seismological Society of America, 2008, 98, 1354-1372.	1.1	41
12	Surface wave surveys for seismic site characterization of accelerometric stations in ITACA. Bulletin of Earthquake Engineering, 2011, 9, 1797-1820.	2.3	37
13	The contribution of seismic data in microzonation studies for downtown L'Aquila. Bulletin of Earthquake Engineering, 2011, 9, 741-759.	2.3	34
14	Long-duration asynchronous ground motions in the Colfiorito plain, central Italy, observed on a two-dimensional dense array. Journal of Geophysical Research, 2003, 108, .	3.3	32
15	Evidences for strong directional resonances in intensely deformed zones of the Pernicana fault, Mount Etna, Italy. Journal of Geophysical Research, 2009, 114, .	3.3	32
16	Geometry and evolution of a fault-controlled Quaternary basin by means of TDEM and single-station ambient vibration surveys: The example of the 2009 L'Aquila earthquake area, central Italy. Journal of Geophysical Research: Solid Earth, 2017, 122, 2236-2259.	1.4	32
17	A study of the seismic response of the city of Benevento (Southern Italy) through a combined analysis of seismological and geological data. Engineering Geology, 2008, 97, 146-170.	2.9	30
18	Directional resonance variations across the Pernicana Fault, Mt Etna, in relation to brittle deformation fields. Geophysical Journal International, 2013, 193, 986-996.	1.0	29

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19	Seismological analyses of the seismic microzonation of 138 municipalities damaged by the 2016–2017 seismic sequence in Central Italy. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 5553-5593.	2.3	29
20	1D velocity structure of the Po River plain (Northern Italy) assessed by combining strong motion and ambient noise data. <i>Bulletin of Earthquake Engineering</i> , 2014, 12, 2195-2209.	2.3	25
21	Effect of Local Geology on Ground Motion in the City of Palermo, Italy, as Inferred from Aftershocks of the 6 September 2002 Mw 5.9 Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2005, 95, 2328-2341.	1.1	24
22	The role of alternating outcrops of sediments and basaltic lavas on seismic urban scenario: the study case of Catania, Italy. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 411-439.	2.3	24
23	Shear-wave velocity profile and seismic input derived from ambient vibration array measurements: the case study of downtown L'Aquila. <i>Geophysical Journal International</i> , 2014, 198, 848-866.	1.0	24
24	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.	2.9	24
25	Local site effects estimation at Amatrice (Central Italy) through seismological methods. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 5713-5739.	2.3	22
26	Seismic response of a deep continental basin including velocity inversion: the Sulmona intramontane basin (Central Apennines, Italy). <i>Geophysical Journal International</i> , 2016, 204, 418-439.	1.0	21
27	Basin effects on ground motion: the case of a high-resolution experiment in Cephalonia (Greece). <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 529-560.	2.3	21
28	Shear-wave velocity profiling at sites with high stiffness contrasts: a comparison between invasive and non-invasive methods. <i>Near Surface Geophysics</i> , 2010, 8, 75-94.	0.6	20
29	On the Stability and Reproducibility of the Horizontal-to-Vertical Spectral Ratios on Ambient Noise: Case Study of Cavola, Northern Italy. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 1263-1275.	1.1	20
30	Seismic characterization and monitoring of Fucino Basin (Central Italy). <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 1961-1985.	2.3	20
31	Waveguide effects in very high rate GPS record of the 6 April 2009, Mw 6.1 L'Aquila, central Italy earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 490-501.	1.4	20
32	Indicators for site characterization at seismic station: recommendation from a dedicated survey. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 4171-4195.	2.3	20
33	Evaluation of site effects in the Aterno river valley (Central Italy) from aftershocks of the 2009 L'Aquila earthquake. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 697-715.	2.3	19
34	Geometry and Structure of a Fault-Bounded Extensional Basin by Integrating Geophysical Surveys and Seismic Anisotropy Across the 30 October 2016 Mw 6.5 Earthquake Fault (Central Italy): The Pian Grande di Castelluccio Basin. <i>Tectonics</i> , 2019, 38, 26-48.	1.3	19
35	Rapid response to the earthquake emergency of May 2012 in the Po Plain, northern Italy. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	18
36	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, .	0.5	18

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37	Results from shallow geophysical investigations in the northwestern sector of the island of Malta. <i>Physics and Chemistry of the Earth</i> , 2017, 98, 41-48.	1.2	17
38	Temporary dense seismic network during the 2016 Central Italy seismic emergency for microzonation studies. <i>Scientific Data</i> , 2019, 6, 182.	2.4	17
39	Preliminary results from EMERSITO, a rapid response network for site-effect studies. <i>Annals of Geophysics</i> , 2012, 55, .	0.5	17
40	Seismic noise cross-correlation in the urban area of Benevento city (Southern Italy). <i>Geophysical Journal International</i> , 2019, 217, 1524-1542.	1.0	16
41	Gravel Liquefaction Assessment Using the Dynamic Cone Penetration Test Based on Field Performance from the 1976 Friuli Earthquake. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	16
42	Variations of local seismic response in Benevento (Southern Italy) using earthquakes and ambient noise recordings. <i>Journal of Seismology</i> , 2005, 9, 191-210.	0.6	15
43	Imaging the structural style of an active normal fault through multidisciplinary geophysical investigation: a case study from the Mw 6.1, 2009 L'Aquila earthquake region (central Italy). <i>Geophysical Journal International</i> , 2015, 200, 1676-1691.	1.0	15
44	Investigation of the Norcia basin (Central Italy) through ambient vibration measurements and geological surveys. <i>Engineering Geology</i> , 2020, 267, 105501.	2.9	15
45	Local variability of the ground shaking during the 2009 L'Aquila earthquake (April 6, 2009 Mw 6.3): the case study of Onna and Monticchio villages. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 783-807.	2.3	14
46	Geological reconstruction in the area of maximum co-seismic subsidence during the 2009 Mw=6.1 L'Aquila earthquake using geophysical and borehole data. <i>Italian Journal of Geosciences</i> , 2016, 135, 350-362.	0.4	14
47	Quantification of site effects in the Amatrice area (Central Italy): Insights from ground-motion recordings of the 2016-2017 seismic sequence. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 142, 106565.	1.9	14
48	A New Vs-Based Liquefaction-Triggering Procedure for Gravelly Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	1.5	14
49	Seismic response of L'Aquila downtown from comparison between 2D synthetics spectral ratios of SH, P-SV and Rayleigh waves and observations of the 2009 earthquake sequence. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 761-781.	2.3	13
50	The Deep Bedrock in Rome, Italy: A New Constraint Based on Passive Seismic Data Analysis. <i>Pure and Applied Geophysics</i> , 2019, 176, 2395-2410.	0.8	13
51	Italian accelerometric archive: geological, geophysical and geotechnical investigations at strong-motion stations. <i>Bulletin of Earthquake Engineering</i> , 2010, 8, 1189-1207.	2.3	12
52	Issues in Choosing the References to Use for Spectral Ratios from Observations and Modeling at Cavola Landslide in Northern Italy. <i>Bulletin of the Seismological Society of America</i> , 2010, 100, 1578-1613.	1.1	12
53	Site effect studies following the 2016 Mw 6.0 Amatrice Earthquake (Italy): the Emersito Task Force activities. <i>Annals of Geophysics</i> , 2016, 59, .	0.5	12
54	Site effects of the Roio basin, L'Aquila. <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 809-823.	2.3	11

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55	Seismic amplification in a fractured rock site. The case study of San Gregorio (L'Aquila, Italy). <i>Physics and Chemistry of the Earth</i> , 2017, 98, 90-106.	1.2	11
56	Quality assessment for site characterization at seismic stations. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 4643-4691.	2.3	11
57	Rapid response seismic networks in Europe: lessons learnt from the L'Aquila earthquake emergency. <i>Annals of Geophysics</i> , 2011, 54, .	0.5	11
58	The Role of Site Effects on the Intensity Anomaly of San Giuliano di Puglia Inferred from Aftershocks of the Molise, Central Southern Italy, Sequence, November 2002. <i>Bulletin of the Seismological Society of America</i> , 2005, 95, 1457-1468.	1.1	10
59	2D site response analysis of a cultural heritage: the case study of the site of Santa Maria di Collemaggio Basilica (L'Aquila, Italy). <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 4443-4466.	2.3	10
60	A multidisciplinary approach to the seismic characterization of a mountain top (Monteluco, central Italy). <i>Journal of Earthquake Engineering and Dynamic Analysis</i> , 2012, 10, 1-12.	1.2	10
61	Site effects and widespread susceptibility to permanent coseismic deformation in the Avezzano town (Fucino basin, Central Italy): Constraints from detailed geological study. <i>Engineering Geology</i> , 2020, 270, 105583.	2.9	9
62	Sub-surface characterization of the Amphiteatrum Flavium Area (Rome, Italy) through single-station ambient vibration measurements. <i>Annals of Geophysics</i> , 2017, 60, .	0.5	9
63	Using a vibratory source at Mt. Etna (Italy) to investigate the wavefield polarization at Pernicana Fault. <i>Near Surface Geophysics</i> , 2019, 17, 313-329.	0.6	8
64	Peak Frequency Changes From HV Spectral Ratios in Central Italy: Effects of Strong Motions and Seasonality Over 12 Years of Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	8
65	The 1-D and 2-D Seismic Modeling of Deep Quaternary Basin (Downtown L'Aquila, Central Italy). <i>Earthquake Spectra</i> , 2019, 35, 1689-1710.	1.6	7
66	Seismic monitoring by piezoelectric accelerometers of a damaged historical monument in downtown L'Aquila. <i>Annals of Geophysics</i> , 2015, 57, .	0.5	5
67	Assessment of Ground Motion in Palermo, Italy, during the 6 September 2002 Mw 5.9 Earthquake Using Source Scaling Law. <i>Bulletin of the Seismological Society of America</i> , 2005, 95, 2342-2363.	1.1	4
68	The Seismic Microzonation of San Gregorio Through a Multidisciplinary Approach. <i>Seismic Amplification in a Stiff Site</i> , 2015, , 1137-1141.		4
69	Cavola experiment site: geophysical investigations and deployment of a dense seismic array on a landslide. <i>Annals of Geophysics</i> , 2009, 50, .	0.5	3
70	Combining earth sciences with archaeology to investigate natural risks related to the cultural heritage of the Marsica region (central Apennines, Italy). <i>Mediterranean Geoscience Reviews</i> , 0, , .	0.6	3
71	Assessment of Ground Motion in Palermo, Italy, during the 6 September 2002 Mw 5.9 Earthquake Using Source Scaling Law. <i>Bulletin of the Seismological Society of America</i> , 2006, 96, 1199-1199.	1.1	2
72	Local Seismic Response in a Large Intra-mountain Basin as Observed from Earthquakes and Microtremor Recordings: The Avezzano Area (Central Italy). , 2015, , 1153-1157.		1

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73	Active Normal Faulting and Large-Scale Mass Wasting in Urban Areas: The San Gregorio Village Case Study (L'Aquila, Central Italy). Methodological Insight for Seismic Microzonation Studies. , 2015, , 1033-1036.		1
74	A study of building vibrations induced by weak motions: effects of earthquake excitation, ambient noise and wind speed. Annals of Geophysics, 2017, 60, .	0.5	1
75	Dataset of seismic ambient vibrations from the quaternary Norcia basin (central Italy). Data in Brief, 2020, 31, 105709.	0.5	0
76	The seismic microzonation of level 3 of Sant'Agata Fossili (northern Italy) based on a multidisciplinary approach. Annals of Geophysics, 2014, 57, .	0.5	0
77	The Seismic Site Characterization of Palazzo Centi in L'Aquila City Centre: The Case Study of a Historical Building Damaged by the April 6th 2009 Earthquake. , 2015, , 1091-1095.		0