

Maurizio Vassallo

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,175
citations

471509

17
h-index

395702

33
g-index

59
all docs

59
docs citations

59
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic reflections reveal a massive melt layer feeding Campi Flegrei caldera. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	189
2	Automatic Picker Developments and Optimization: FilterPicker—a Robust, Broadband Picker for Real-Time Seismic Monitoring and Earthquake Early Warning. <i>Seismological Research Letters</i> , 2012, 83, 531-540.	1.9	144
3	Earthquake early warning system in southern Italy: Methodologies and performance evaluation. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	124
4	Automated Seismic Event Location by Travel-Time Stacking: An Application to Mining Induced Seismicity. <i>Seismological Research Letters</i> , 2013, 84, 666-677.	1.9	80
5	A prototype system for earthquake early-warning and alert management in southern Italy. <i>Bulletin of Earthquake Engineering</i> , 2010, 8, 1105-1129.	4.1	52
6	A Local Magnitude Scale for Southern Italy. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 2461-2470.	2.3	38
7	Automatic Picker Developments and Optimization: A Strategy for Improving the Performances of Automatic Phase Pickers. <i>Seismological Research Letters</i> , 2012, 83, 541-554.	1.9	32
8	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. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2236-2259.	3.4	32
9	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.	6.3	24
10	Seismic Ambient Noise Analysis in Southern Italy. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 574-586.	2.3	22
11	A first GPS measurement of vertical seafloor displacement in the Campi Flegrei caldera (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 276, 145-151.	2.1	22
12	Local site effects estimation at Amatrice (Central Italy) through seismological methods. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 5713-5739.	4.1	22
13	A New Multidisciplinary Marine Monitoring System for the Surveillance of Volcanic and Seismic Areas. <i>Seismological Research Letters</i> , 2009, 80, 203-213.	1.9	19
14	Seismic images and rock properties of the very shallow structure of Campi Flegrei caldera (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	19
15	Geometry and Structure of a Fault-Bounded Extensional Basin by Integrating Geophysical Surveys and Seismic Anisotropy Across the 30 October 2016 <i>M</i>_{<i>w</i>} 6.5 Earthquake Fault (Central Italy): The Pian Grande di Castelluccio Basin. <i>Tectonics</i> , 2019, 38, 26-48.	2.8	19
16	Extensive surface geophysical prospecting for seismic microzonation. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 5475-5502.	4.1	18
17	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, .	1.0	18
18	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.	2.9	17

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19	Temporary dense seismic network during the 2016 Central Italy seismic emergency for microzonation studies. <i>Scientific Data</i> , 2019, 6, 182.	5.3	17
20	A Comparison of Sea-Floor and On-Land Seismic Ambient Noise in the Campi Flegrei Caldera, Southern Italy. <i>Bulletin of the Seismological Society of America</i> , 2008, 98, 2962-2974.	2.3	16
21	Seismic noise cross-correlation in the urban area of Benevento city (Southern Italy). <i>Geophysical Journal International</i> , 2019, 217, 1524-1542.	2.4	16
22	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, .	3.0	16
23	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.	2.4	15
24	Investigation of the Norcia basin (Central Italy) through ambient vibration measurements and geological surveys. <i>Engineering Geology</i> , 2020, 267, 105501.	6.3	15
25	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.	0.8	14
26	Low shear velocity in a normal fault system imaged by ambient noise cross correlation: The case of the Irpinia fault zone, Southern Italy. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4290-4305.	3.4	14
27	Damage detection in elastic properties of masonry bridges using coda wave interferometry. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1976.	4.0	14
28	A New Vs-Based Liquefaction-Triggering Procedure for Gravelly Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	3.0	14
29	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.	1.9	13
30	A Large Paleoearthquake in the Central Apennines, Italy, Recorded by the Collapse of a Cave Speleothem. <i>Tectonics</i> , 2020, 39, e2020TC006289.	2.8	13
31	Shallow high-resolution geophysical investigation along the western segment of the Victoria Lines Fault (island of Malta). <i>Tectonophysics</i> , 2018, 724-725, 220-233.	2.2	12
32	Site effect studies following the 2016 Mw 6.0 Amatrice Earthquake (Italy): the Emersito Task Force activities. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	12
33	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.	2.9	11
34	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.	6.3	9
35	Sub-surface characterization of the Amphiteatrum Flavium Area (Rome, Italy) through single-station ambient vibration measurements. <i>Annals of Geophysics</i> , 2017, 60, .	1.0	9
36	Perspectives for the radiography of Mt. Vesuvius by cosmic ray muons. <i>Earth, Planets and Space</i> , 2010, 62, 131-137.	2.5	8

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37	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, .	3.4	8
38	Long-term Seafloor Experiment with the CUMAS Module: Performance, Noise Analysis of Geophysical Signals, and Suggestions about the Design of a Permanent Network. <i>Seismological Research Letters</i> , 2010, 81, 916-927.	1.9	7
39	The MU-RAY project: Summary of the round-table discussions. <i>Earth, Planets and Space</i> , 2010, 62, 145-151.	2.5	5
40	Seismic monitoring by piezoelectric accelerometers of a damaged historical monument in downtown L'Aquila. <i>Annals of Geophysics</i> , 2015, 57, .	1.0	5
41	The Seismic Microzonation of San Gregorio Through a Multidisciplinary Approach. <i>Seismic Amplification in a Stiff Site</i> . , 2015, , 1137-1141.		4
42	Depth and morphology of reflectors from the non-linear inversion of arrival-time and waveform semblance data. Part I: method and applications to synthetic data. <i>Geophysical Prospecting</i> , 2008, 56, 527-540.	1.9	3
43	Converted phases analysis of the Campi Flegrei caldera using active seismic data. <i>Tectonophysics</i> , 2009, 470, 243-256.	2.2	3
44	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, , .	1.2	3
45	Seismic microzonation in a complex volcano-tectonic setting: the case of northern and western Ischia Island (southern Italy). <i>Italian Journal of Geosciences</i> , 2021, 140, 328-408.	0.8	2
46	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
47	Active Normal Faulting and Large-Scale Mass Wasting in Urban Areas: The San Gregorio Village Case Study (L'Aquila, Central Italy). <i>Methodological Insight for Seismic Microzonation Studies</i> . , 2015, , 1033-1036.		1
48	Practical Issues in Monitoring a Hydrocarbon Cultivation Activity in Italy: The Pilot Project at the Cavone Oil Field. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	1
49	Depth and morphology of reflectors from the non-linear inversion of arrival times and waveform semblance data. Part II: modelling and interpretation of real data acquired in Southern Apennines, Italy. <i>Geophysical Prospecting</i> , 2008, 56, 541-553.	1.9	0
50	Dataset of seismic ambient vibrations from the quaternary Norcia basin (central Italy). <i>Data in Brief</i> , 2020, 31, 105709.	1.0	0
51	?Underwater acoustic channel properties ?in the Gulf of Naples and their effects ?on digital data transmission. <i>Annals of Geophysics</i> , 2009, 50, .	1.0	0
52	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
53	Erratum to "Seismic microzonation in a complex volcano-tectonic setting: the case of northern and western Ischia island (southern Italy)" (<i>Italian Journal of Geosciences</i> , 140 (3), 2021, 382-408). <i>Italian Journal of Geosciences</i> , 2022, 141, 160.	0.8	0