

Maurizio Vassallo

List of Publications by Year in descending order

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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	Erratum to "Seismic microzonation in a complex volcano-tectonic setting: the case of northern and western Ischia island (southern Italy)" (Italian Journal of Geosciences, 140 (3), 2021, 382-408). Italian Journal of Geosciences, 2022, 141, 160.	0.8	0
2	A New Vs-Based Liquefaction-Triggering Procedure for Gravelly Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	14
3	Peak Frequency Changes From HV Spectral Ratios in Central Italy: Effects of Strong Motions and Seasonality Over 12 Years of Observations. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	8
4	Seismic microzonation in a complex volcano-tectonic setting: the case of northern and western Ischia Island (southern Italy). Italian Journal of Geosciences, 2021, 140, 328-408.	0.8	2
5	Practical Issues in Monitoring a Hydrocarbon Cultivation Activity in Italy: The Pilot Project at the Cavone Oil Field. Frontiers in Earth Science, 2021, 9, .	1.8	1
6	Local site effects estimation at Amatrice (Central Italy) through seismological methods. Bulletin of Earthquake Engineering, 2020, 18, 5713-5739.	4.1	22
7	Blast-induced liquefaction in silty sands for full-scale testing of ground improvement methods: Insights from a multidisciplinary study. Engineering Geology, 2020, 265, 105437.	6.3	24
8	A Large Paleoearthquake in the Central Apennines, Italy, Recorded by the Collapse of a Cave Speleothem. Tectonics, 2020, 39, e2020TC006289.	2.8	13
9	Dataset of seismic ambient vibrations from the quaternary Norcia basin (central Italy). Data in Brief, 2020, 31, 105709.	1.0	0
10	Extensive surface geophysical prospecting for seismic microzonation. Bulletin of Earthquake Engineering, 2020, 18, 5475-5502.	4.1	18
11	Site effects and widespread susceptibility to permanent coseismic deformation in the Avezzano town (Fucino basin, Central Italy): Constraints from detailed geological study. Engineering Geology, 2020, 270, 105583.	6.3	9
12	Gravel Liquefaction Assessment Using the Dynamic Cone Penetration Test Based on Field Performance from the 1976 Friuli Earthquake. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	16
13	Investigation of the Norcia basin (Central Italy) through ambient vibration measurements and geological surveys. Engineering Geology, 2020, 267, 105501.	6.3	15
14	Temporary dense seismic network during the 2016 Central Italy seismic emergency for microzonation studies. Scientific Data, 2019, 6, 182.	5.3	17
15	Seismic noise cross-correlation in the urban area of Benevento city (Southern Italy). Geophysical Journal International, 2019, 217, 1524-1542.	2.4	16
16	The Deep Bedrock in Rome, Italy: A New Constraint Based on Passive Seismic Data Analysis. Pure and Applied Geophysics, 2019, 176, 2395-2410.	1.9	13
17	Geometry and Structure of a Fault-Bounded Extensional Basin by Integrating Geophysical Surveys and Seismic Anisotropy Across the 30 October 2016 M_w 6.5 Earthquake Fault (Central Italy): The Pian Grande di Castelluccio Basin. Tectonics, 2019, 38, 26-48.	2.8	19
18	Shallow high-resolution geophysical investigation along the western segment of the Victoria Lines Fault (island of Malta). Tectonophysics, 2018, 724-725, 220-233.	2.2	12

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19	Damage detection in elastic properties of masonry bridges using coda wave interferometry. Structural Control and Health Monitoring, 2017, 24, e1976.	4.0	14
20	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.	3.4	32
21	Results from shallow geophysical investigations in the northwestern sector of the island of Malta. Physics and Chemistry of the Earth, 2017, 98, 41-48.	2.9	17
22	Seismic amplification in a fractured rock site. The case study of San Gregorio (L'Aquila, Italy). Physics and Chemistry of the Earth, 2017, 98, 90-106.	2.9	11
23	Sub-surface characterization of the Amphiteatrum Flavium Area (Rome, Italy) through single-station ambient vibration measurements. Annals of Geophysics, 2017, 60, .	1.0	9
24	The first Italian blast-induced liquefaction test (Mirabello, Emilia-Romagna, Italy): description of the experiment and preliminary results. Annals of Geophysics, 2017, 60, .	1.0	18
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. Italian Journal of Geosciences, 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. Journal of Geophysical Research: Solid Earth, 2016, 121, 4290-4305.	3.4	14
27	Site effect studies following the 2016 Mw 6.0 Amatrice Earthquake (Italy): the Emersito Task Force activities. Annals of Geophysics, 2016, 59, .	1.0	12
28	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). Geophysical Journal International, 2015, 200, 1676-1691.	2.4	15
29	The Seismic Microzonation of San Gregorio Through a Multidisciplinary Approach. Seismic Amplification in a Stiff Site. , 2015, , 1137-1141.		4
30	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
31	Seismic monitoring by piezoelectric accelerometers of a damaged historical monument in downtown L'Aquila. Annals of Geophysics, 2015, 57, .	1.0	5
32	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
33	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
34	A first GPS measurement of vertical seafloor displacement in the Campi Flegrei caldera (Italy). Journal of Volcanology and Geothermal Research, 2014, 276, 145-151.	2.1	22
35	Automated Seismic Event Location by Travel-Time Stacking: An Application to Mining Induced Seismicity. Seismological Research Letters, 2013, 84, 666-677.	1.9	80
36	Automatic Picker Developments and Optimization: A Strategy for Improving the Performances of Automatic Phase Pickers. Seismological Research Letters, 2012, 83, 541-554.	1.9	32

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37	Seismic Ambient Noise Analysis in Southern Italy. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 574-586.	2.3	22
38	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
39	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
40	The MU-RAY project: Summary of the round-table discussions. <i>Earth, Planets and Space</i> , 2010, 62, 145-151.	2.5	5
41	Perspectives for the radiography of Mt. Vesuvius by cosmic ray muons. <i>Earth, Planets and Space</i> , 2010, 62, 131-137.	2.5	8
42	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
43	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
44	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
45	Converted phases analysis of the Campi Flegrei caldera using active seismic data. <i>Tectonophysics</i> , 2009, 470, 243-256.	2.2	3
46	Earthquake early warning system in southern Italy: Methodologies and performance evaluation. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	124
47	A Local Magnitude Scale for Southern Italy. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 2461-2470.	2.3	38
48	?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
49	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
50	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
51	Seismic reflections reveal a massive melt layer feeding Campi Flegrei caldera. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	189
52	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
53	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