List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Moment magnitude (Mw) from hydrophone records of low energy volcanic quakes. Journal of Seismology, 2022, 26, 875-882.	0.6	2
2	Shallow Magma Storage Beneath Mt. Etna: Evidence From New Attenuation Tomography and Existing Velocity Models. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022094.	1.4	4
3	3D-Kernel Based Imaging of an Improved Estimation of (Qc) in the Northern Apulia (Southern Italy). Applied Sciences (Switzerland), 2021, 11, 7512.	1.3	4
4	Seismic Envelopes of Coda Decay for Q-coda Attenuation Studies of the Gargano Promontory (Southern Italy) and Surrounding Regions. Data, 2021, 6, 98.	1.2	2
5	Small-Scale Volcanic Structures of the Aeolian Volcanic Arc Revealed by Seismic Attenuation. Frontiers in Earth Science, 2021, 9, .	0.8	3
6	First 2-D intrinsic and scattering attenuation images of Mt Etna volcano and surrounding region from active seismic data. Geophysical Journal International, 2020, 220, 267-277.	1.0	9
7	Seismic Coda-Waves Imaging Based on Sensitivity Kernels Calculated Using an Heuristic Approach. Geosciences (Switzerland), 2020, 10, 304.	1.0	12
8	Intrinsic and scattering seismic wave attenuation in the Central Apennines (Italy). Physics of the Earth and Planetary Interiors, 2020, 303, 106498.	0.7	16
9	Understanding seismic path biases and magmatic activity at Mount St Helens volcano before its 2004 eruption. Geophysical Journal International, 2020, 222, 169-188.	1.0	18
10	2D kernel-based imaging of coda-Q space variations in the Gargano Promontory (Southern Italy). Physics of the Earth and Planetary Interiors, 2019, 297, 106313.	0.7	8
11	Study of the regional pattern of intrinsic and scattering seismic attenuation in Eastern Sicily (Italy) from local earthquakes. Geophysical Journal International, 2019, 218, 1456-1468.	1.0	15
12	Numerically Calculated 3D Space-Weighting Functions to Image Crustal Volcanic Structures Using Diffuse Coda Waves. Geosciences (Switzerland), 2018, 8, 175.	1.0	27
13	Separation of scattering and intrinsic attenuation at Asama volcano (Japan): Evidence of high volcanic structural contrasts. Journal of Volcanology and Geothermal Research, 2017, 333-334, 96-103.	0.8	24
14	Spaceâ€weighted seismic attenuation mapping of the aseismic source of Campi Flegrei 1983–1984 unrest. Geophysical Research Letters, 2017, 44, 1740-1748.	1.5	53
15	Source and dynamics of a volcanic caldera unrest: Campi Flegrei, 1983–84. Scientific Reports, 2017, 7, 8099.	1.6	50
16	Clues on the origin of post-2000 earthquakes at Campi Flegrei caldera (Italy). Scientific Reports, 2017, 7, 4472.	1.6	53
17	Absorption and scattering 2-D volcano images from numerically calculated space-weighting functions. Geophysical Journal International, 2016, 206, 742-756.	1.0	39
18	The TOMO-ETNA experiment: an imaging active campaign at Mt. Etna volcano. Context, main objectives, working-plans and involved research projects. Annals of Geophysics, 2016, 59, .	0.5	7

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19	Twoâ€dimensional seismic attenuation images of Stromboli Island using active data. Geophysical Research Letters, 2015, 42, 1717-1724.	1.5	32
20	The 3D Attenuation Structure of Deception Island (Antarctica). Surveys in Geophysics, 2015, 36, 371-390.	2.1	35
21	Seismic Q estimates in Umbria Marche (Central Italy): hints for the retrieval of a new attenuation law for seismic risk. Geophysical Journal International, 2015, 201, 1370-1382.	1.0	13
22	3D Attenuation Tomography of the Volcanic Island of Tenerife (Canary Islands). Surveys in Geophysics, 2015, 36, 693-716.	2.1	30
23	Attenuation and velocity structure from diffuse coda waves: Constraints from underground array data. Physics of the Earth and Planetary Interiors, 2015, 240, 34-42.	0.7	14
24	A reappraisal of seismic Q evaluated at Mt. Etna volcano. Receipt for the application to risk analysis. Journal of Seismology, 2015, 19, 105-119.	0.6	10
25	ANNALS OF GEOPHYSICS: AD MAJORA. Annals of Geophysics, 2014, 57, .	0.5	Ο
26	A reappraisal of seismic Q evaluated in Campi Flegrei caldera. Receipt for the application to risk analysis. Journal of Seismology, 2013, 17, 829-837.	0.6	7
27	Spatial distribution of intrinsic and scattering seismic attenuation in active volcanic islands - I: model and the case of Tenerife Island. Geophysical Journal International, 2013, 195, 1942-1956.	1.0	47
28	Frequency dependent Qα and Qβ in the Umbria-Marche (Italy) region using a quadratic approximation of the coda-normalization method. Geophysical Journal International, 2013, 193, 1726-1731.	1.0	19
29	Detection of Seismic Signals from Background Noise in the Area of Campi Flegrei: Limits of the Present Seismic Monitoring. Seismological Research Letters, 2013, 84, 190-198.	0.8	10
30	Qc, Qβ, Qi and Qs attenuation parameters in the Umbria–Marche (Italy) region. Physics of the Earth and Planetary Interiors, 2013, 218, 19-30.	0.7	29
31	Seismic energy envelopes in volcanic media: in need of boundary conditions. Geophysical Journal International, 2013, 195, 1102-1119.	1.0	20
32	Magnitude scale for LP events: a quantification scheme for volcanic quakes. Geophysical Journal International, 2013, 194, 911-919.	1.0	6
33	Joint observation of coherent coda waves at surface and underground arrays. Geophysical Journal International, 2013, 194, 367-371.	1.0	0
34	Spatial distribution of intrinsic and scattering seismic attenuation in active volcanic islands – II: Deception Island images. Geophysical Journal International, 2013, 195, 1957-1969.	1.0	35
35	New insights into Mt. Vesuvius hydrothermal system and its dynamic based on a critical review of seismic tomography and geochemical features. Annals of Geophysics, 2013, 56, .	0.5	4
36	Inside Mt. Vesuvius: a new method to look at the seismic (velocity and attenuation) tomographic imaging. Annals of Geophysics, 2013, 56, .	0.5	3

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37	The first Long Period earthquake detected in the background seismicity at Mt. Vesuvius. Annals of Geophysics, 2013, 56, .	0.5	5
38	Subsurface structure of the Solfatara volcano (Campi Flegrei caldera, Italy) as deduced from joint seismicâ€noise array, volcanological and morphostructural analysis. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	33
39	<i>Q</i> <sub><i>P</i></sub> and <i>Q</i> <sub><i>S</i></sub> in the upper mantle beneath the Iberian peninsula from recordings of the very deep Granada earthquake of April 11, 2010. Geophysical Research Letters, 2012, 39, .	1.5	5
40	A scattering image of Campi Flegrei from the autocorrelation functions of velocity tomograms. Geophysical Journal International, 2011, 184, 1304-1310.	1.0	8
41	Depth-dependent intrinsic and scattering seismic attenuation in north central Italy. Geophysical Journal International, 2011, 186, 373-381.	1.0	32
42	Source location of long period seismicity at VolcÃn de Colima, México. Bulletin of Volcanology, 2011, 73, 887-898.	1.1	21
43	MathLTWA: Multiple lapse time window analysis using Wolfram Mathematica 7. Computers and Geosciences, 2010, 36, 1388-1392.	2.0	8
44	Anomalous character of the coda envelopes on Mt Vesuvius explained in terms of depth dependent <i>Q</i> . Geophysical Journal International, 2010, , .	1.0	0
45	Seismic attenuation imaging of Campi Flegrei: Evidence of gas reservoirs, hydrothermal basins, and feeding systems. Journal of Geophysical Research, 2010, 115, .	3.3	129
46	Study of attenuation mechanism for Garwhal–Kumaun Himalayas from analysis of coda of local earthquakes. Physics of the Earth and Planetary Interiors, 2010, 180, 7-15.	0.7	36
47	Array analysis and precise source location of deep tremor in Cascadia. Journal of Geophysical Research, 2010, 115, .	3.3	22
48	Analysis of the seismic wavefield properties of volcanic explosions at Volcán de Colima, México: insights into the source mechanism. Geophysical Journal International, 2009, 177, 1383-1398.	1.0	37
49	Temporal changes in seismic wave propagation towards the end of the 2002 Mt Etna eruption. Geophysical Journal International, 2009, 178, 1779-1788.	1.0	7
50	Reply to comments on "Separation of Qi and Qs from passive data at Mt. Vesuvius: A reappraisal of the seismic attenuation estimates―by Ugalde, A. and CarcolA©, E Physics of the Earth and Planetary Interiors, 2009, 173, 195-196.	0.7	2
51	Multiple resolution seismic attenuation imaging at Mt. Vesuvius. Physics of the Earth and Planetary Interiors, 2009, 173, 17-32.	0.7	20
52	Depth dependent seismic scattering attenuation in the Nuevo Cuyo region (southern central Andes). Geophysical Research Letters, 2009, 36, .	1.5	32
53	Source Scaling and Site Effects at Vesuvius Volcano. Bulletin of the Seismological Society of America, 2009, 99, 1705-1719.	1.1	13
54	3D Scattering Image of Mt. Vesuvius. Bulletin of the Seismological Society of America, 2009, 99, 1962-1972.	1.1	8

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55	Peak ground acceleration produced by local earthquakes in volcanic areas of Campi Flegrei and Mt. Vesuvius. Annals of Geophysics, 2009, 47, .	0.5	3
56	Coherent-subspace array processing based on wavelet covariance: an application to broad-band, seismo-volcanic signals. Geophysical Journal International, 2008, 174, 435-450.	1.0	3
57	Volcanic tremor and local earthquakes at Copahue volcanic complex, Southern Andes, Argentina. Journal of Volcanology and Geothermal Research, 2008, 174, 284-294.	0.8	30
58	Chapter 13 Seismic Wave Scattering in Volcanoes. Advances in Geophysics, 2008, 50, 353-371.	1.1	35
59	Model for highâ€frequency Strombolian tremor inferred by wavefield decomposition and reconstruction of asymptotic dynamics. Journal of Geophysical Research, 2008, 113, .	3.3	24
60	Stochastic Finite-Fault Ground-Motion Simulation in a Wave-Field Diffusive Regime: Case Study of the Mt. Vesuvius Volcanic Area. Bulletin of the Seismological Society of America, 2008, 98, 1272-1288.	1.1	12
61	Recalibration of the Magnitude Scales at Campi Flegrei, Italy, on the Basis of Measured Path and Site and Transfer Functions. Bulletin of the Seismological Society of America, 2008, 98, 1964-1974.	1.1	29
62	Testing Small-Aperture Array Analysis on Well-Located Earthquakes, and Application to the Location of Deep Tremor. Bulletin of the Seismological Society of America, 2008, 98, 620-635.	1.1	22
63	Seismicity associated with the 2004–2006 renewed ground uplift at Campi Flegrei Caldera, Italy. Physics of the Earth and Planetary Interiors, 2007, 165, 14-24.	0.7	83
64	3D scattering image of the Campi Flegrei caldera (Southern Italy). Physics of the Earth and Planetary Interiors, 2006, 155, 269-280.	0.7	34
65	Small scale shallow attenuation structure at Mt. Vesuvius, Italy. Physics of the Earth and Planetary Interiors, 2006, 157, 257-268.	0.7	43
66	Separation of Qi and Qs from passive data at Mt. Vesuvius: A reappraisal of the seismic attenuation estimates. Physics of the Earth and Planetary Interiors, 2006, 159, 202-212.	0.7	27
67	Attenuation study in the Straits of Messina area (southern Italy). Tectonophysics, 2006, 421, 173-185.	0.9	49
68	H/V Spectral Ratios and Array Techniques Applied to Ambient Noise Recorded in the Colfiorito Basin, Central Italy. Bulletin of the Seismological Society of America, 2006, 96, 490-505.	1.1	18
69	Shear wave splitting changes associated with the 2001 volcanic eruption on Mt Etna. Geophysical Journal International, 2006, 167, 959-967.	1.0	43
70	Separation of depth-dependent intrinsic and scattering seismic attenuation in the northeastern sector of the Italian Peninsula. Geophysical Journal International, 2005, 161, 130-142.	1.0	66
71	Small-aperture Array for Seismic Monitoring of Mt. Vesuvius. Seismological Research Letters, 2005, 76, 344-355.	0.8	14
72	Automatic Classification of Seismic Signals at Mt. Vesuvius Volcano, Italy, Using Neural Networks. Bulletin of the Seismological Society of America, 2005, 95, 185-196.	1.1	126

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73	Array measurements of deep tremor signals in the Cascadia subduction zone. Geophysical Research Letters, 2005, 32, .	1.5	21
74	Seismic Signals Associated with Landslides and with a Tsunami at Stromboli Volcano, Italy. Bulletin of the Seismological Society of America, 2004, 94, 1850-1867.	1.1	73
75	Quantitative analysis of the tremor wavefield at Etna Volcano, Italy. Journal of Volcanology and Geothermal Research, 2004, 136, 223-245.	0.8	40
76	Probabilistic source location of explosion quakes at Stromboli volcano estimated with double array data. Journal of Volcanology and Geothermal Research, 2004, 131, 123-142.	0.8	25
77	Seismic source dynamics at Vesuvius volcano, Italy. Journal of Volcanology and Geothermal Research, 2004, 133, 23-39.	0.8	43
78	The role of hydrothermal fluids in triggering the July–August 2000 seismic swarm at Campi Flegrei, Italy: evidence from seismological and mesostructural data. Journal of Volcanology and Geothermal Research, 2004, 133, 229-246.	0.8	68
79	Changes in the Coda Decay Rate and Shear-Wave Splitting Parameters Associated with Seismic Swarms at Mt. Vesuvius, Italy. Bulletin of the Seismological Society of America, 2004, 94, 439-452.	1.1	24
80	The 1998–1999 seismic series at Deception Island volcano, Antarctica. Journal of Volcanology and Geothermal Research, 2003, 128, 65-88.	0.8	54
81	Shallow seismic attenuation and shear-wave splitting in the short period range of Deception Island volcano (Antarctica). Journal of Volcanology and Geothermal Research, 2003, 128, 89-113.	0.8	28
82	Discrimination of Earthquakes and Underwater Explosions Using Neural Networks. Bulletin of the Seismological Society of America, 2003, 93, 215-223.	1.1	95
83	Duration Magnitude Uncertainty due to Seismic Noise: Inferences on the Temporal Pattern of G-R b-value at Mt. Vesuvius, Italy. Bulletin of the Seismological Society of America, 2003, 93, 1847-1853.	1.1	22
84	Seismic Attenuation and Shallow Velocity Structures at Stromboli Volcano, Italy. Bulletin of the Seismological Society of America, 2002, 92, 1102-1116.	1.1	15
85	High resolution velocity structure beneath Mount Vesuvius from seismic array data. Geophysical Research Letters, 2002, 29, 36-1.	1.5	53
86	Spatial characterization of Agron, southern Spain, 1988–1989 seismic series. Physics of the Earth and Planetary Interiors, 2002, 129, 13-29.	0.7	12
87	Plane wave fitting method for a plane, small aperture, short period seismic array: a MATHCAD program. Computers and Geosciences, 2002, 28, 59-64.	2.0	22
88	Scat-Cad: a Mathcad 2000 professional package to model the energy decay due to seismic attenuation. Computers and Geosciences, 2002, 28, 851-855.	2.0	2
89	Separation of intrinsic and scattering seismic attenuation in the Southern Apennine zone, Italy. Geophysical Journal International, 2002, 150, 10-22.	1.0	103
90	The July-August 2000 seismic swarms at Campi Flegrei Volcanic Complex, Italy. Geophysical Research Letters, 2001, 28, 2525-2528.	1.5	41

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91	Separation of intrinsic and scattering Q for volcanic tremor: An application to Etna and Masaya volcanoes. Geophysical Research Letters, 2001, 28, 3083-3086.	1.5	22
92	Array Analysis of Seismograms from Explosive Sources: Evidence for Surface Waves Scattered at the Main Topographical Features. Bulletin of the Seismological Society of America, 2001, 91, 219-231.	1.1	19
93	Slowness Anomalies from Two Dense Seismic Arrays at Deception Island Volcano, Antarctica. Bulletin of the Seismological Society of America, 2001, 91, 561-571.	1.1	34
94	A local-magnitude scale for Mt. Vesuvius from synthetic Wood-Anderson seismograms. Journal of Seismology, 2001, 5, 207-215.	0.6	19
95	Array analyses of seismic noise at Mt. Vesuvius Volcano, Italy. Journal of Volcanology and Geothermal Research, 2001, 110, 79-100.	0.8	26
96	A probabilistic approach to the inversion of data from a seismic array and its application to volcanic signals. Geophysical Journal International, 2000, 143, 249-261.	1.0	36
97	A double seismic antenna experiment at teide Volcano: existence of local seismicity and lack of evidences of Volcanic tremor. Journal of Volcanology and Geothermal Research, 2000, 103, 439-462.	0.8	35
98	Location of the source and shallow velocity model deduced from the explosion quakes recorded by two seismic antennas at Stromboli volcano. Physics and Chemistry of the Earth, 2000, 25, 731-735.	0.6	18
99	Seismovolcanic signals at Deception Island volcano, Antarctica: Wave field analysis and source modeling. Journal of Geophysical Research, 2000, 105, 13905-13931.	3.3	83
100	Array analysis using circular-wave-front geometry:an application to locate the nearby seismo-volcanic source. Geophysical Journal International, 1999, 136, 159-170.	1.0	81
101	Attenuation of short-period seismic waves at Mt Vesuvius, Italy. Geophysical Journal International, 1999, 138, 67-76.	1.0	89
102	Title is missing!. Journal of Seismology, 1999, 3, 83-94.	0.6	9
103	Site response obtained from array techniques applied to the seismic noise: Two examples in Italy. Journal of Seismology, 1999, 3, 31-43.	0.6	2
104	Observations of volcanic earthquakes and tremor at Deception Island - Antarctica. Annals of Geophysics, 1999, 42, .	0.5	5
105	Site response study in Abruzzo (Central Italy): underground array versus surface stations. Journal of Seismology, 1998, 2, 223-236.	0.6	14
106	Shallow structure of Mt. Vesuvius Volcano, Italy, from seismic array analysis. Geophysical Research Letters, 1997, 24, 481-484.	1.5	34
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109	Observations of high-frequency scattered waves using dense arrays at Teide Volcano. Bulletin of the Seismological Society of America, 1997, 87, 1637-1647.	1.1	63
110	Separation of intrinsic and scattering Q for volcanic areas: a comparison between Etna and Campi Flegrei. Journal of Volcanology and Geothermal Research, 1996, 70, 213-219.	0.8	25
111	Separation of scattering and intrinsic attenuation in southern Spain and western Anatolia (Turkey). Geophysical Journal International, 1995, 121, 337-353.	1.0	92
112	Estimate of the -depth pattern from coda- measurements. Physics of the Earth and Planetary Interiors, 1995, 88, 79-82.	0.7	1
113	Geometrical spreading and attenuation of Lg waves: a comparison between western Anatolia (Turkey) and southern Spain. Tectonophysics, 1995, 250, 47-60.	0.9	21
114	Measurements of intrinsic and scattering seismic attenuation in the crust. Bulletin of the Seismological Society of America, 1995, 85, 1373-1380.	1.1	85
115	Dependence of the apparent seismic quality factor on epicentral distance: an interpretation in terms of fractal structure of the seismic medium. Physics of the Earth and Planetary Interiors, 1994, 82, 271-276.	0.7	1
116	Velocity and spectral characteristics of the volcanic tremor at Etna deduced by a small seismometer array. Journal of Volcanology and Geothermal Research, 1993, 56, 369-378.	0.8	19
117	Geometrical spreading function for short-period S and coda waves recorded in southern Spain. Physics of the Earth and Planetary Interiors, 1993, 80, 25-36.	0.7	13
118	Seismic site amplification factors in Campi Flegrei, Southern Italy. Physics of the Earth and Planetary Interiors, 1993, 78, 105-117.	0.7	12
119	Estimates of Coda-Q Using a Non-Linear Regression Journal of Physics of the Earth, 1993, 41, 203-219.	1.4	20
120	Depth dependence of seismic attenuation in the Messina Strait area. Tectonophysics, 1992, 206, 137-146.	0.9	3
121	Time variation of b and Qc at Mt. Etna (1981–1987). Physics of the Earth and Planetary Interiors, 1992, 71, 137-140.	0.7	19
122	Seismic Investigation of the Campi Flegrei: A Summary and Synthesis of Results. IAVCEI Proceedings in Volcanology, 1992, , 462-483.	0.4	33
123	Characteristics of the seismic attenuation in two tectonically active zones of Southern Europe. Pure and Applied Geophysics, 1991, 135, 91-106.	0.8	10
124	Site response using coda-wave techniques: Applications to short period data from central and southern Italy. Pure and Applied Geophysics, 1991, 136, 127-141.	0.8	2
125	Depth-dependent seismic attenuation in the Granada zone (Southern Spain). Bulletin of the Seismological Society of America, 1990, 80, 1232-1244.	1.1	109
126	Dependence of <i>Q</i> c (Coda <i>Q</i> ) on coda duration time interval: Model or depth effect?. Bulletin of the Seismological Society of America, 1990, 80, 1028-1033.	1.1	21

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127	The time evolution of vertical ground movements in the Campei Flegrei caldera: a kinetic phenomenological model. Journal of Volcanology and Geothermal Research, 1989, 39, 41-53.	0.8	5
128	Source parameters of microearthquakes at Phlegraean Fields (Southern Italy) volcanic area. Physics of the Earth and Planetary Interiors, 1987, 47, 25-42.	0.7	48
129	Attenuation of short period seismic waves at Etna as compared to other volcanic areas. Pure and Applied Geophysics, 1987, 125, 1039-1050.	0.8	21
130	Q c of three component seismograms of volcanic microearthquakes at Campi Flegrei volcanic area — Southern Italy. Pure and Applied Geophysics, 1985, 123, 683-696.	0.8	45
131	A case of correlation between Rn anomalies and seismic activity on a volcano (Vulcano Island,) Tj ETQq1 1 0.7843	14 rgBT /	Overlock 10
132	The crust and upper mantle structure beneath southern Italy by earthquakes and DSS data. Pure and Applied Geophysics, 1981, 119, 1134-1143.	0.8	5
133	Stromboli and its 1975 eruption. Bulletin of Volcanology, 1978, 41, 259-285.	1.1	71
134	Correlation of deep earthquakes, eruptive activity at stromboli volcano and age of the radium fractionation in the magma. Journal of Volcanology and Geothermal Research, 1976, 1, 381-385.	0.8	7
135	Two-layer earth model corrections to the MLTWA estimates of intrinsic- and scattering-attenuation obtained in a uniform half-space. Geophysical Journal International, 0, 182, 949-955.	1.0	24
136	A detailed study of the site effects in the volcanic area of Campi Flegrei using empirical approaches. Geophysical Journal International, 0, 182, 1073-1086.	1.0	15
137	3-D Q-coda attenuation structure at Mt. Etna (Italy). Geophysical Journal International, 0, , .	1.0	4
138	Fast Changes in Seismic Attenuation of the Upper Crust due to Fracturing and Fluid Migration: The 2016–2017 Central Italy Seismic Sequence. Frontiers in Earth Science, 0, 10, .	0.8	7