Flora Giudicepietro

List of Publications by Year
in descending order

61	2,009	257450 24	254184 43
papers	citations	h-index	g-index

73	73	73	1440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Source mechanisms of explosions at Stromboli Volcano, Italy, determined from moment-tensor inversions of very-long-period data. Journal of Geophysical Research, 2003, 108, ESE 7-1-ESE 7-25.	3.3	292
2	Automatic Classification of Seismic Signals at Mt. Vesuvius Volcano, Italy, Using Neural Networks. Bulletin of the Seismological Society of America, 2005, 95, 185-196.	2.3	126
3	Repeated fluid-transfer episodes as a mechanism for the recent dynamics of Campi Flegrei caldera (1989â€“2010). Journal of Geophysical Research, 2011, 116, .	3.3	117
4	Magma injection beneath the urban area of Naples: a new mechanism for the 2012â€“2013 volcanic unrest at Campi Flegrei caldera. Scientific Reports, 2015, 5, 13100.	3.3	115
5	Discrimination of Earthquakes and Underwater Explosions Using Neural Networks. Bulletin of the Seismological Society of America, 2003, 93, 215-223.	2.3	95
6	Unsupervised Neural Analysis of Very-Long-Period Events at Stromboli Volcano Using the Self-Organizing Maps. Bulletin of the Seismological Society of America, 2008, 98, 2449-2459.	2.3	64
7	Automatic Discrimination among Landslide, Explosion-Quake, and Microtremor Seismic Signals at Stromboli Volcano Using Neural Networks. Bulletin of the Seismological Society of America, 2006, 96, 1230-1240.	2.3	59
8	The 21 August 2017 Ischia (Italy) Earthquake Source Model Inferred From Seismological, GPS, and DInSAR Measurements. Geophysical Research Letters, 2018, 45, 2193-2202.	4.0	59
9	First muography of Stromboli volcano. Scientific Reports, 2019, 9, 6695.	3.3	56
10	Geophysical precursors of the July-August 2019 paroxysmal eruptive phase and their implications for Stromboli volcano (Italy) monitoring. Scientific Reports, 2020, 10, 10296.	3.3	50
11	The MU-RAY project: detector technology and first data from Mt. Vesuvius. Journal of Instrumentation, 2014, 9, C02029-C02029.	1.2	46
12	Sill intrusion as a source mechanism of unrest at volcanic calderas. Journal of Geophysical Research: Solid Earth, 2014, 119, 3986-4000.	3.4	45
13	Seismological insight into the kinematics of the 5 April 2003 vulcanian explosion at Stromboli volcano (southern Italy). Geophysical Research Letters, 2006, 33, .	4.0	43
14	The 4D imaging of the source of ground deformation at Campi Flegrei caldera (southern Italy). Journal of Geophysical Research, 2012, 117, .	3.3	40
15	Hydrothermal pressure-temperature control on CO2 emissions and seismicity at Campi Flegrei (Italy). Journal of Volcanology and Geothermal Research, 2021, 414, 107245.	2.1	38
16	Fumarolic tremor and geochemical signals during a volcanic unrest. Geology, 2017, 45, 1131-1134.	4.4	34
17	The 7 September 2008 Vulcanian explosion at Stromboli volcano: Multiparametric characterization of the event and quantification of the ejecta. Journal of Geophysical Research, 2012, 117, .	3.3	32
18	Continuous radon monitoring during seven years of volcanic unrest at Campi Flegrei caldera (Italy). Scientific Reports, 2020, 10, 9551.	3.3	32

#	Article	IF	Citations
19	Changes in the VLP seismic source during the 2007 Stromboli eruption. Journal of Volcanology and Geothermal Research, 2009, 182, 162-171.	2.1	29
20	The MU-RAY detector for muon radiography of volcanoes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 423-426.	1.6	29
21	Overflows and Pyroclastic Density Currents in March-April 2020 at Stromboli Volcano Detected by Remote Sensing and Seismic Monitoring Data. Remote Sensing, 2020, 12, 3010.	4.0	29
22	Analysis of 7-years Radon time series at Campi Flegrei area (Naples, Italy) using artificial neural network method. Applied Radiation and Isotopes, 2020, 163, 109239.	1.5	27
23	Preâ€•and Coâ€Eruptive Analysis of the September 2021 Eruption at Cumbre Vieja Volcano (La Palma, Canary) Tj ETQq1 1 0.784314 rgB 49, .	4.0	27
24	Insight Into Campi Flegrei Caldera Unrest Through Seismic Tremor Measurements at Pisciarelli Fumarolic Field. Geochemistry, Geophysics, Geosystems, 2019, 20, 5544-5555.	2.5	26
25	Analysis of geophysical and meteorological parameters influencing 222Rn activity concentration in MladeÄ•caves (Czech Republic) and in soils of Phlegrean Fields caldera (Italy). Applied Radiation and Isotopes, 2020, 160, 109140.	1.5	26
26	Integration of Ground-Based Remote-Sensing and In Situ Multidisciplinary Monitoring Data to Analyze the Eruptive Activity of Stromboli Volcano in 2017â€“2018. Remote Sensing, 2019, 11, 1813.	4.0	25
27	Statistics of seismicity to investigate the Campi Flegrei caldera unrest. Scientific Reports, 2021, 11, 7211.	3.3	25
28	Automatic Recognition of Landslides Based on Neural Network Analysis of Seismic Signals: An Application to the Monitoring of Stromboli Volcano (Southern Italy). Pure and Applied Geophysics, 2013, 170, 1821-1832.	1.9	24
29	Retrieving the Stress Field Within the Campi Flegrei Caldera (Southern Italy) Through an Integrated Geodetical and Seismological Approach. Pure and Applied Geophysics, 2015, 172, 3247-3263.	1.9	24
30	The Seismicity of Ischia Island. Seismological Research Letters, 2018, 89, 1750-1760.	1.9	23
31	Plane wave fitting method for a plane, small aperture, short period seismic array: a MATHCAD program. Computers and Geosciences, 2002, 28, 59-64.	4.2	22
32	The Broadband Seismic Network of Stromboli Volcano, Italy. Seismological Research Letters, 2009, 80, 435-439.	1.9	22
33	Polarization Analysis in the Discrete Wavelet Domain: An Application to Volcano Seismology. Bulletin of the Seismological Society of America, 2010, 100, 670-683.	2.3	21
34	A Physical Model of Sill Expansion to Explain the Dynamics of Unrest at Calderas with Application to Campi Flegrei. Frontiers in Earth Science, 2017, 5, .	1.8	21
35	Variable Magnitude and Intensity of Strombolian Explosions: Focus on the Eruptive Processes for a First Classification Scheme for Stromboli Volcano (Italy). Remote Sensing, 2021, 13, 944.	4.0	21
36	Seismological Monitoring of Mount Vesuvius (Italy): More than a Century of Observations. Seismological Research Letters, 2010, 81, 625-634.	1.9	20

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37	Fast Discrimination of Local Earthquakes Using a Neural Approach. Seismological Research Letters, 2017, 88, 1089-1096.	1.9	19
38	Seismological monitoring of the February 2007 effusive eruption of the Stromboli volcano. Annals of Geophysics, 2009, 50, .	1.0	16
39	Muon radiography applied to volcanoes imaging: the MURAVES experiment at Mt. Vesuvius. Journal of Instrumentation, 2020, 15, C03014-C03014.	1.2	14
40	Tracking Episodes of Seismicity and Gas Transport in Campi Flegrei Caldera Through Seismic, Geophysical, and Geochemical Measurements. Seismological Research Letters, 2021, 92, 965-975.	1.9	14
41	The seismicity of Campi Flegrei in the contest of an evolving long term unrest. Scientific Reports, 2022, 12, 2900.	3.3	14
42	The recent seismicity of Mt. Vesuvius: inference on seismogenic processes. Annals of Geophysics, 2013, 56, .	1.0	13
43	Insight into Vent Opening Probability in Volcanic Calderas in the Light of a Sill Intrusion Model. Pure and Applied Geophysics, 2016, 173, 1703-1720.	1.9	12
44	Volcanoes in Italy and the role of muon radiography. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180050.	3.4	11
45	Campi Flegrei, Vesuvius and Ischia Seismicity in the Context of the Neapolitan Volcanic Area. Frontiers in Earth Science, 2021, 9, .	1.8	11
46	Neural analysis of seismic data: applications to the monitoring of Mt. Vesuvius. Annals of Geophysics, 2013, 56, .	1.0	10
47	Connection between 222Rn emission and geophysical-geochemical parameters recorded during the volcanic unrest at Campi Flegrei caldera (2011â€“2017). Applied Radiation and Isotopes, 2020, 166, 109385.	1.5	8
48	Clustering of Experimental Seismo-Acoustic Events Using Self-Organizing Map (SOM). Frontiers in Earth Science, 2021, 8, .	1.8	8
49	The seismic monitoring network of Mt. Vesuvius. Annals of Geophysics, 2013, 56, .	1.0	7
50	The MURAVES project and other parallel activities on muon absorption radiography. EPJ Web of Conferences, 2018, 182, 02015.	0.3	6
51	Predictive Analysis of the Seismicity Level at Campi Flegrei Volcano Using a Data-Driven Approach. Smart Innovation, Systems and Technologies, 2014, , 133-145.	0.6	5
52	Waveform Variation of the Explosion-Quakes as a Function of the Eruptive Activity at Stromboli Volcano. Smart Innovation, Systems and Technologies, 2013, , 111-119.	0.6	5
53	A Neural Approach for Hybrid Events Discrimination at Stromboli Volcano. Smart Innovation, Systems and Technologies, 2018, , 11-21.	0.6	5
54	SOM-Based Analysis of Volcanic Rocks: An Application to Sommaâ€“Vesuvius and Campi Flegrei Volcanoes (Italy). Smart Innovation, Systems and Technologies, 2020, , 55-60.	0.6	5

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55	Changes in the Eruptive Style of Stromboli Volcano before the 2019 Paroxysmal Phase Discovered through SOM Clustering of Seismo-Acoustic Features Compared with Camera Images and GBInSAR Data. Remote Sensing, 2022, 14, 1287.	4.0	5
56	Study of Surface Emissions of 220Rn (Thoron) at Two Sites in the Campi Flegrei Caldera (Italy) during Volcanic Unrest in the Period 2011â€“2017. Applied Sciences (Switzerland), 2021, 11, 5809.	2.5	4
57	Unsupervised Geochemical Analysis of the Eruptive Products of Ischia, Vesuvius and Campi Flegrei. Smart Innovation, Systems and Technologies, 2021, , 175-184.	0.6	4
58	Models for Identifying Structures in the Data: A Performance Comparison. , 2007, , 275-283.		3
59	Automatic Discrimination of Earthquakes and False Events in Seismological Recording for Volcanic Monitoring. Lecture Notes in Computer Science, 2002, , 140-145.	1.3	2
60	Seismological Insights on the Shallow Magma System. Geophysical Monograph Series, 2013, , 279-286.	0.1	0
61	Comment on â€œThe 21 August 2017 MdÂ4.0 Casamicciola Earthquake: First Evidence of Coseismic Normal Surface Faulting at the Ischia Volcanic Islandâ€•by NappietÂal.(2018). Seismological Research Letters, 2019, 90, 313-315.	1.9	0