

Maurizio Ripepe

List of Publications by Year in descending order

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176
papers

8,007
citations

38742

50
h-index

62596

80
g-index

180
all docs

180
docs citations

180
times ranked

4225
citing authors

#	ARTICLE	IF	CITATIONS
1	The 1997 Umbria-Marche, Italy, Earthquake Sequence: A first look at the main shocks and aftershocks. <i>Geophysical Research Letters</i> , 1998, 25, 2861-2864.	4.0	280
2	Virgo: a laser interferometer to detect gravitational waves. <i>Journal of Instrumentation</i> , 2012, 7, P03012-P03012.	1.2	257
3	Strombolian explosive styles and source conditions: insights from thermal (FLIR) video. <i>Bulletin of Volcanology</i> , 2007, 69, 769-784.	3.0	223
4	Calcareous nannofossils and Milankovitch cycles: the example of the Albian Gault Clay Formation (southern England). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1992, 93, 47-69.	2.3	184
5	Volcano infrasound: A review. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 206, 61-69.	2.1	180
6	Thermal, seismic and infrasonic evidences of variable degassing rates at Stromboli volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 118, 285-297.	2.1	172
7	Highlights from a seismic broadband array on Stromboli Volcano. <i>Geophysical Research Letters</i> , 1994, 21, 749-752.	4.0	171
8	Atmospheric waves and global seismoacoustic observations of the January 2022 Hunga eruption, Tonga. <i>Science</i> , 2022, 377, 95-100.	12.6	170
9	Time constraints for modeling source dynamics of volcanic explosions at Stromboli. <i>Journal of Geophysical Research</i> , 2001, 106, 8713-8727.	3.3	168
10	Array tracking of infrasonic sources at Stromboli volcano. <i>Geophysical Research Letters</i> , 2002, 29, 33-1-33-4.	4.0	144
11	Tephra sedimentation during the 2010 Eyjafjallajökull eruption (Iceland) from deposit, radar, and satellite observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	142
12	A case history of paroxysmal explosion at Stromboli: Timing and dynamics of the April 5, 2003 event. <i>Earth and Planetary Science Letters</i> , 2006, 243, 594-606.	4.4	138
13	Infrasonic waves and volcanic tremor at Stromboli. <i>Geophysical Research Letters</i> , 1996, 23, 181-184.	4.0	137
14	Image processing of explosive activity at Stromboli. <i>Journal of Volcanology and Geothermal Research</i> , 1993, 54, 335-351.	2.1	134
15	Gas bubble dynamics model for shallow volcanic tremor at Stromboli. <i>Journal of Geophysical Research</i> , 1999, 104, 10639-10654.	3.3	129
16	Enhanced volcanic hot-spot detection using MODIS IR data: results from the MIROVA system. <i>Geological Society Special Publication</i> , 2016, 426, 181-205.	1.3	121
17	Effusive to explosive transition during the 2003 eruption of Stromboli volcano. <i>Geology</i> , 2005, 33, 341.	4.4	119
18	Temperature and dynamics of degassing at Stromboli. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	115

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19	Synergy of multiple geophysical approaches to unravel explosive eruption conduit and source dynamics – A case study from Stromboli. <i>Chemie Der Erde</i> , 2007, 67, 1-35.	2.0	106
20	Textural and geophysical characterization of explosive basaltic activity at Villarrica volcano. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	104
21	Ash-plume dynamics and eruption source parameters by infrasound and thermal imagery: The 2010 Eyjafjallajökull eruption. <i>Earth and Planetary Science Letters</i> , 2013, 366, 112-121.	4.4	99
22	The summit hydrothermal system of Stromboli. New insights from self-potential, temperature, CO ₂ and fumarolic fluid measurements, with structural and monitoring implications. <i>Bulletin of Volcanology</i> , 2003, 65, 486-504.	3.0	95
23	Geophysical investigations at Stromboli volcano, Italy: implications for ground water flow and paroxysmal activity. <i>Geophysical Journal International</i> , 2004, 157, 426-440.	2.4	92
24	Infrasonic monitoring at Stromboli volcano during the 2003 effusive eruption: Insights on the explosive and degassing process of an open conduit system. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	91
25	Dynamics of Strombolian explosions: Inferences from field and laboratory studies of erupted bombs from Stromboli volcano. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 319-345.	3.4	88
26	The present status of the VIRGO Central Interferometer*. <i>Classical and Quantum Gravity</i> , 2002, 19, 1421-1428.	4.0	85
27	The 15 March 2007 explosive crisis at Stromboli volcano, Italy: Assessing physical parameters through a multidisciplinary approach. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	83
28	The onset of the 2007 Stromboli effusive eruption recorded by an integrated geophysical network. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 182, 131-136.	2.1	82
29	Passive vs. active degassing modes at an open-vent volcano (Stromboli, Italy). <i>Earth and Planetary Science Letters</i> , 2012, 359-360, 106-116.	4.4	80
30	Earthquake-induced thermal anomalies at active volcanoes. <i>Geology</i> , 2010, 38, 771-774.	4.4	79
31	Radon surveys and real-time monitoring at Stromboli volcano: Influence of soil temperature, atmospheric pressure and tidal forces on ²²² Rn degassing. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 381-388.	2.1	78
32	Infrasonic Early Warning System for Explosive Eruptions. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9570-9585.	3.4	76
33	Tracing the differences between Vulcanian and Strombolian explosions using infrasonic and thermal radiation energy. <i>Earth and Planetary Science Letters</i> , 2009, 279, 273-281.	4.4	75
34	Lava effusion rates from hand-held thermal infrared imagery: an example from the June 2003 effusive activity at Stromboli. <i>Bulletin of Volcanology</i> , 2005, 68, 107-117.	3.0	74
35	Influence of near-source volcano topography on the acoustic wavefield and implication for source modeling. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 250, 9-18.	2.1	71
36	Blast waves from violent explosive activity at Yasur Volcano, Vanuatu. <i>Geophysical Research Letters</i> , 2013, 40, 5838-5843.	4.0	67

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37	Pulsed lava effusion at Mount Etna during 2001. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 137, 231-246.	2.1	65
38	Inflation–deflation cycles revealed by tilt and seismic records at Stromboli volcano. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	65
39	Infrasound reveals transition to oscillatory discharge regime during lava fountaining: Implication for early warning. <i>Geophysical Research Letters</i> , 2013, 40, 3008-3013.	4.0	62
40	Quaternary faults and seismicity in the Umbro-Marchean Apennines (Central Italy): evidence from the 1997 Colfiorito earthquake. <i>Journal of Geodynamics</i> , 2000, 29, 245-264.	1.6	61
41	High–frame rate thermal imagery of Strombolian explosions: Implications for explosive and infrasonic source dynamics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	60
42	Explosions and periodic tremor at Karymsky volcano, Kamchatka, Russia. <i>Geophysical Journal International</i> , 2004, 158, 1151-1167.	2.4	59
43	Regional earthquake as a trigger for enhanced volcanic activity: Evidence from MODIS thermal data. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	58
44	Interaction of seismic and air waves recorded at Stromboli Volcano. <i>Geophysical Research Letters</i> , 1993, 20, 65-68.	4.0	57
45	Influence of atmospheric structure and topography on infrasonic wave propagation. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 2988-3005.	3.4	56
46	Observation of infrasonic and gravity waves at Soufrière Hills Volcano, Montserrat. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	55
47	Monitoring snow avalanches in Northwestern Italian Alps using an infrasound array. <i>Cold Regions Science and Technology</i> , 2011, 69, 177-183.	3.5	54
48	Radiative heat power at Stromboli volcano during 2000–2011: Twelve years of MODIS observations. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 215-216, 48-60.	2.1	53
49	Long-range acoustic observations of the Eyjafjallajökull eruption, Iceland, April-May 2010. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	52
50	Volcano seismicity and ground deformation unveil the gravity-driven magma discharge dynamics of a volcanic eruption. <i>Nature Communications</i> , 2015, 6, 6998.	12.8	52
51	Thermal Remote Sensing for Global Volcano Monitoring: Experiences From the MIROVA System. <i>Frontiers in Earth Science</i> , 2020, 7, .	1.8	52
52	Spatio-temporal distribution of seismic activity during the Umbria-Marche crisis, 1997. <i>Journal of Seismology</i> , 2000, 4, 377-386.	1.3	51
53	Infrasound Array Analysis of Debris Flow Activity and Implication for Early Warning. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 567-587.	2.8	50
54	Planktonic foraminiferal distribution record productivity cycles: evidence from the Aptian–Albian Piobbico core (central Italy). <i>Terra Nova</i> , 1989, 1, 443-448.	2.1	48

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55	Detailed analysis of particle launch velocities, size distributions and gas densities during normal explosions at Stromboli. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 231-232, 109-131.	2.1	48
56	Classification, landing distribution, and associated flight parameters for a bomb field emplaced during a single major explosion at Stromboli, Italy. <i>Geology</i> , 2013, 41, 559-562.	4.4	48
57	Mass discharge rate retrieval combining weather radar and thermal camera observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5679-5695.	3.4	48
58	Seismic and infrasonic evidences for an impulsive source of the shallow volcanic tremor at Mt. Etna, Italy. <i>Geophysical Research Letters</i> , 2001, 28, 1071-1074.	4.0	47
59	Toward an Improved Representation of Middle Atmospheric Dynamics Thanks to the ARISE Project. <i>Surveys in Geophysics</i> , 2018, 39, 171-225.	4.6	47
60	Stability of the seismic source during effusive and explosive activity at Stromboli Volcano. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	46
61	Dynamics of the 5 April 2003 explosive paroxysm observed at Stromboli by a near-vent thermal, seismic and infrasonic array. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	46
62	Estimation and propagation of volcanic source parameter uncertainty in an ash transport and dispersal model: application to the Eyjafjallajokull plume of 14-16 April 2010. <i>Bulletin of Volcanology</i> , 2012, 74, 2321-2338.	3.0	46
63	Evidence for gas influence on volcanic seismic signals recorded at Stromboli. <i>Journal of Volcanology and Geothermal Research</i> , 1996, 70, 221-233.	2.1	45
64	The Stromboli Volcano landslides of December 2002: A seismological description. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	45
65	From Strombolian explosions to fire fountains at Etna Volcano (Italy): what do we learn from acoustic measurements?. <i>Geological Society Special Publication</i> , 2008, 307, 103-124.	1.3	44
66	Space- and Ground-Based Geophysical Data Tracking of Magma Migration in Shallow Feeding System of Mount Etna Volcano. <i>Remote Sensing</i> , 2019, 11, 1182.	4.0	44
67	Monochromatic infrasonic tremor driven by persistent degassing and convection at Villarrica Volcano, Chile. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	43
68	Tracking dynamics of magma migration in open-conduit systems. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	42
69	Modelling satellite-derived magma discharge to explain caldera collapse. <i>Geology</i> , 2017, 45, 523-526.	4.4	42
70	Infrasonic evidences for branched conduit dynamics at Mt. Etna volcano, Italy. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	40
71	On the geophysical fingerprint of Vulcanian explosions. <i>Earth and Planetary Science Letters</i> , 2011, 306, 98-104.	4.4	39
72	Experimental constraints on the outgassing dynamics of basaltic magmas. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39

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73	Tracking Pyroclastic Flows at Soufrière Hills Volcano. <i>Eos</i> , 2009, 90, 229-230.	0.1	38
74	Forecasting Effusive Dynamics and Decompression Rates by Magmatic Model at Open-vent Volcanoes. <i>Scientific Reports</i> , 2017, 7, 3885.	3.3	38
75	Tide-modulated ice flow variations drive seismicity near the calving front of Bowdoin Glacier, Greenland. <i>Geophysical Research Letters</i> , 2016, 43, 2036-2044.	4.0	36
76	Foreshock sequence of September 26th, 1997 Umbria-Marche earthquakes. <i>Journal of Seismology</i> , 2000, 4, 387-399.	1.3	35
77	Seismic, acoustic, and thermal network monitors the 2003 eruption of Stromboli Volcano. <i>Eos</i> , 2004, 85, 329.	0.1	35
78	Bombs behaving badly: unexpected trajectories and cooling of volcanic projectiles. <i>Bulletin of Volcanology</i> , 2012, 74, 1849-1858.	3.0	35
79	Volcanic plume and bomb field masses from thermal infrared camera imagery. <i>Earth and Planetary Science Letters</i> , 2013, 365, 77-85.	4.4	35
80	Seismoacoustic measurements during the July–August 2001 eruption of Mt. Etna volcano, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 137, 219-230.	2.1	33
81	DUCKS: Low cost thermal monitoring units for near-vent deployment. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 143, 335-360.	2.1	33
82	Magma vesiculation and infrasonic activity at Stromboli open conduit volcano. <i>Earth and Planetary Science Letters</i> , 2010, 292, 274-280.	4.4	32
83	Dynamics of Strombolian Activity. <i>Geophysical Monograph Series</i> , 0, , 39-48.	0.1	32
84	Gas mass derived by infrasound and UV cameras: Implications for mass flow rate. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 325, 169-178.	2.1	32
85	Dynamic response of the Baptistery of San Giovanni in Florence, Italy, based on ambient vibration test. <i>Journal of Cultural Heritage</i> , 2016, 20, 632-640.	3.3	32
86	Infrasound array criteria for automatic detection and front velocity estimation of snow avalanches: towards a real-time early-warning system. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2545-2555.	3.6	31
87	Coupled thermal oscillations in explosive activity at different craters of Stromboli volcano. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	30
88	Integrated petrochemical and geophysical data reveals thermal distribution of the feeding conduits at Stromboli volcano, Italy. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	30
89	Wideband acoustic records of explosive volcanic eruptions at Stromboli: New insights on the explosive process and the acoustic source. <i>Geophysical Research Letters</i> , 2014, 41, 3851-3857.	4.0	28
90	Birth of a lava lake: Nyamulagira volcano 2011–2015. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	28

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91	The Eocene-Oligocene Boundary in the Umbrian Pelagic Sequences, Italy. <i>Developments in Palaeontology and Stratigraphy</i> , 1986, , 25-40.	0.1	27
92	Volcanology and Magma Geochemistry of the Present-Day Activity: Constraints on the Feeding System. <i>Geophysical Monograph Series</i> , 0, , 19-37.	0.1	27
93	Spectroscopic capture of 1 Hz volcanic SO ₂ fluxes and integration with volcano geophysical data. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	26
94	Seismic sources and stress transfer interaction among axial normal faults and external thrust fronts in the Northern Apennines (Italy): A working hypothesis based on the 1916–1920 time–space cluster of earthquakes. <i>Tectonophysics</i> , 2016, 680, 67-89.	2.2	26
95	Ground deformation reveals the scale-invariant conduit dynamics driving explosive basaltic eruptions. <i>Nature Communications</i> , 2021, 12, 1683.	12.8	26
96	Volcanic Hot-Spot Detection Using SENTINEL-2: A Comparison with MODIS–MIROVA Thermal Data Series. <i>Remote Sensing</i> , 2020, 12, 820.	4.0	25
97	Volcanic CO ₂ tracks the incubation period of basaltic paroxysms. <i>Science Advances</i> , 2021, 7, eabh0191.	10.3	25
98	Ground-based infrared monitoring provides new tool for remote tracking of volcanic activity. <i>Eos</i> , 2003, 84, 409-418.	0.1	24
99	Eruption dynamics of the SW crater of Stromboli volcano, Italy – An interdisciplinary approach. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 176, 565-570.	2.1	24
100	Ground deformation and seismicity related to the propagation and drainage of the dyke feeding system during the 2007 effusive eruption at Stromboli volcano (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2009, 182, 155-161.	2.1	24
101	Evidences of volcanic unrest on high-temperature fumaroles by satellite thermal monitoring: The case of Santa Ana volcano, El Salvador. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 340, 170-179.	2.1	23
102	Examples of Multi-Sensor Determination of Eruptive Source Parameters of Explosive Events at Mount Etna. <i>Remote Sensing</i> , 2021, 13, 2097.	4.0	23
103	MeMoVolc consensual document: a review of cross-disciplinary approaches to characterizing small explosive magmatic eruptions. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	22
104	Exploring the explosive–effusive transition using permanent ultraviolet cameras. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4377-4394.	3.4	22
105	Acoustic wavefield and Mach wave radiation of flashing arcs in strombolian explosion measured by image luminance. <i>Geophysical Research Letters</i> , 2014, 41, 7135-7142.	4.0	21
106	Conduit dynamics and post explosion degassing on Stromboli: A combined UV camera and numerical modeling treatment. <i>Geophysical Research Letters</i> , 2016, 43, 5009-5016.	4.0	21
107	Dynamics of soap bubble bursting and its implications to volcano acoustics. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	20
108	Evidence of Large Infrasonic Radiation Induced by Earthquake Interaction with Alluvial Sediments. <i>Seismological Research Letters</i> , 2016, 87, 678-684.	1.9	20

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109	Quantifying unsteadiness and dynamics of pulsatory volcanic activity. <i>Earth and Planetary Science Letters</i> , 2016, 444, 160-168.	4.4	20
110	Long-term eruptive trends from space-based thermal and SO ₂ emissions: a comparative analysis of Stromboli, Batu Tara and Tinakula volcanoes. <i>Bulletin of Volcanology</i> , 2018, 80, 1.	3.0	20
111	Changes in SO ₂ Flux Regime at Mt. Etna Captured by Automatically Processed Ultraviolet Camera Data. <i>Remote Sensing</i> , 2019, 11, 1201.	4.0	20
112	Full structural dynamic response from ambient vibration of Giotto's bell tower in Firenze (Italy), using modal analysis and seismic interferometry. <i>NDT and E International</i> , 2019, 102, 9-15.	3.7	20
113	Modeling the Acoustic Flux Inside the Magmatic Conduit by 3D FDTD Simulation. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018849.	3.4	20
114	Radon mapping, automatic measurements and extremely high ²²² Rn emissions during the 2002–2007 eruptive scenarios at Stromboli volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 264, 49-65.	2.1	19
115	The Paroxysmal Event and Its Deposits. <i>Geophysical Monograph Series</i> , 0, , 317-329.	0.1	19
116	Chapter 9 Thermal, acoustic and seismic signals from pyroclastic density currents and Vulcanian explosions at Soufrière Hills Volcano, Montserrat. <i>Geological Society Memoir</i> , 2014, 39, 169-178.	1.7	19
117	The European Infrasonic Bulletin. <i>Pure and Applied Geophysics</i> , 2018, 175, 3619-3638.	1.9	19
118	Lattice Boltzmann modeling to explain volcano acoustic source. <i>Scientific Reports</i> , 2018, 8, 9537.	3.3	19
119	Long range infrasonic monitoring of Etna volcano. <i>Scientific Reports</i> , 2019, 9, 18015.	3.3	19
120	Estimating the Ground Motion Distribution of the 2016 Mw 6.2 Amatrice, Italy, Earthquake Using Remote Infrasonic Observations. <i>Seismological Research Letters</i> , 2018, 89, 2227-2236.	1.9	18
121	Infrasonic Monitoring of Volcanic Eruptions and Contribution of ARISE to the Volcanic Ash Advisory Centers. , 2019, , 1141-1162.		18
122	Dynamic Identification as a Tool to Constrain Numerical Models for Structural Analysis of Historical Buildings. <i>Frontiers in Built Environment</i> , 2020, 6, .	2.3	18
123	Dynamics of Mount Nyiragongo lava lake inferred from thermal imaging and infrasonic array. <i>Earth and Planetary Science Letters</i> , 2018, 500, 192-204.	4.4	17
124	Imaging short period variations in lava flux. <i>Bulletin of Volcanology</i> , 2010, 72, 671-676.	3.0	16
125	Crater Gas Emissions and the Magma Feeding System of Stromboli Volcano. <i>Geophysical Monograph Series</i> , 0, , 65-80.	0.1	16
126	Magnitude–frequency distribution of volcanic explosion earthquakes. <i>Earth, Planets and Space</i> , 2016, 68, .	2.5	16

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127	Tsunami risk management for crustal earthquakes and non-seismic sources in Italy. <i>Rivista Del Nuovo Cimento</i> , 2021, 44, 69-144.	5.7	16
128	Last stage control and mechanical transfer function measurement of the VIRGO suspensions. <i>Review of Scientific Instruments</i> , 2002, 73, 2143-2149.	1.3	14
129	The 5 April 2003 Explosion of Stromboli: Timing of Eruption Dynamics Using Thermal Data. <i>Geophysical Monograph Series</i> , 0, , 305-316.	0.1	14
130	Acoustic waveform of continuous bubbling in a non-Newtonian fluid. <i>Physical Review E</i> , 2009, 80, 066314.	2.1	13
131	The Eruptive Activity of 28 and 29 December 2002. <i>Geophysical Monograph Series</i> , 0, , 105-115.	0.1	13
132	Tsunami and tephra deposits record interactions between past eruptive activity and landslides at Stromboli volcano, Italy. <i>Geology</i> , 2020, 48, 436-440.	4.4	13
133	Hot-spot detection and characterization of strombolian activity from MODIS infrared data. <i>International Journal of Remote Sensing</i> , 2014, 35, 3403-3426.	2.9	12
134	Azimuth Estimations From a Small Aperture Infrasonic Array: Test Observations at Stromboli Volcano, Italy. <i>Geophysical Research Letters</i> , 2018, 45, 8931-8938.	4.0	12
135	Influence of non-Newtonian rheology on magma degassing. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	11
136	Faults strengthening and seismicity induced by geothermal exploitation on a spreading volcano, Mt. Amiata, Italia. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 301, 159-168.	2.1	11
137	Near-Real-Time Detection of Tephra Eruption Onset and Mass Flow Rate Using Microwave Weather Radar and Infrasonic Arrays. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 6292-6306.	6.3	11
138	Modeling Volcanic Eruption Parameters by Near-Source Internal Gravity Waves. <i>Scientific Reports</i> , 2016, 6, 36727.	3.3	11
139	Cyclic geomagnetic changes in Mid-Cretaceous rhythmites, Italy. <i>Terra Nova</i> , 1989, 1, 437-442.	2.1	10
140	Orbital control on pelagic clay sedimentology; the case of the late Albian "Amadeus Segment" (central) Tj ETQq0 0,0 rgBT /Overlock 10	2.2	10
141	Evolution of Conduit Geometry and Eruptive Parameters During Effusive Events. <i>Geophysical Research Letters</i> , 2018, 45, 7471-7480.	4.0	10
142	Understanding the SO ₂ Degassing Budget of Mt Etna's Paroxysms: First Clues From the December 2015 Sequence. <i>Frontiers in Earth Science</i> , 2019, 6, .	1.8	10
143	The use of 6DOF measurement in volcano seismology â€œ A first application to Stromboli volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 424, 107499.	2.1	10
144	Propagation of acoustic waves in a viscoelastic two-phase system: influence of gas bubble concentration. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 137, 93-108.	2.1	9

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145	Low-Energy Fragmentation Dynamics at Copahue Volcano (Argentina) as Revealed by an Infrasonic Array and Ash Characteristics. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	9
146	Magma pressure discharge induces very long period seismicity. <i>Scientific Reports</i> , 2021, 11, 20065.	3.3	9
147	Mineralogical, Geochemical, and Isotopic Characteristics of the Ejecta from the 5 April 2003 Paroxysm at Stromboli, Italy: Inferences on the Preruptive Magma Dynamics. <i>Geophysical Monograph Series</i> , 0, , 331-345.	0.1	8
148	Large-Scale Seismic Vulnerability Assessment Method for Urban Centres. An Application to the City of Florence. <i>Key Engineering Materials</i> , 2014, 628, 49-54.	0.4	8
149	StrataBase: A stratigraphical database and processing program for microcomputers. <i>Computers and Geosciences</i> , 1988, 14, 369-375.	4.2	7
150	Volcanic and Seismic Activity at Stromboli Preceding the 2002-2003 Flank Eruption. <i>Geophysical Monograph Series</i> , 0, , 93-104.	0.1	7
151	Frequency based detection and monitoring of small scale explosive activity by comparing satellite and ground based infrared observations at Stromboli Volcano, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 283, 159-171.	2.1	7
152	Scientific Community and Civil Protection Synergy During the Stromboli 2002-2003 Eruption. <i>Geophysical Monograph Series</i> , 0, , 387-397.	0.1	6
153	A method for 3D reconstruction of volcanic bomb trajectories. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	3.0	5
154	Upper Conduit Structure and Explosion Dynamics at Stromboli. <i>Geophysical Monograph Series</i> , 0, , 81-92.	0.1	4
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