

Salvatore Alparone

List of Publications by Year in descending order

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32
papers

1,024
citations

331670

21
h-index

434195

31
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35
all docs

35
docs citations

35
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between tremor and volcanic activity during the Southeast Crater eruption on Mount Etna in early 2000. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	165
2	Time-space variation of volcano-seismic events at La Fossa (Vulcano, Aeolian Islands, Italy): new insights into seismic sources in a hydrothermal system. <i>Bulletin of Volcanology</i> , 2010, 72, 803-816.	3.0	56
3	Paroxysmal summit activity at Mt. Etna (Italy) monitored through continuous soil radon measurements. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	55
4	Geophysical precursors of the July-August 2019 paroxysmal eruptive phase and their implications for Stromboli volcano (Italy) monitoring. <i>Scientific Reports</i> , 2020, 10, 10296.	3.3	50
5	Multiparametric Approach in Investigating Volcano-Hydrothermal Systems: the Case Study of Vulcano (Aeolian Islands, Italy). <i>Pure and Applied Geophysics</i> , 2012, 169, 167-182.	1.9	45
6	Long period and very long period events at Mt. Etna volcano: Characteristics, variability and causality, and implications for their sources. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 187, 227-249.	2.1	43
7	Intrusive mechanism of the 2008â€“2009 Mt. Etna eruption: Constraints by tomographic images and stress tensor analysis. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 229-230, 50-63.	2.1	42
8	Alert system to mitigate tephra fallout hazards at Mt. Etna Volcano, Italy. <i>Natural Hazards</i> , 2007, 43, 333-350.	3.4	41
9	A multidisciplinary approach to detect active pathways for magma migration and eruption at Mt. Etna (Sicily, Italy) before the 2001 and 2002â€“2003 eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 136, 121-140.	2.1	40
10	Open-path FTIR spectroscopy of magma degassing processes during eight lava fountains on Mount Etna. <i>Earth and Planetary Science Letters</i> , 2015, 413, 123-134.	4.4	37
11	Vent temperature trends at the Vulcano Fossa fumarole field: the role of permeability. <i>Bulletin of Volcanology</i> , 2012, 74, 1293-1311.	3.0	36
12	Evidence of multiple strain fields beneath the eastern flank of Mt. Etna volcano (Sicily, Italy) deduced from seismic and geodetic data during 2003â€“2004. <i>Bulletin of Volcanology</i> , 2011, 73, 869-885.	3.0	35
13	Tornillos at Vulcano: Clues to the dynamics of the hydrothermal system. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 198, 377-393.	2.1	32
14	Volcanic tremor at Mt. Etna: Inferences on magma dynamics during effusive and explosive activity. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 19-31.	2.1	30
15	Seismological features of the Pernicanaâ€“Provenzana Fault System (Mt. Etna, Italy) and implications for the dynamics of northeastern flank of the volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 251, 16-26.	2.1	30
16	Volcanic Tremor at Mt. Etna, Italy, Preceding and Accompanying the Eruption of July â€“ August, 2001. <i>Pure and Applied Geophysics</i> , 2005, 162, 2111-2132.	1.9	28
17	Seismological constraints on the 2018 Mt. Etna (Italy) flank eruption and implications for the flank dynamics of the volcano. <i>Terra Nova</i> , 2020, 32, 334-344.	2.1	28
18	Long-term stress-strain analysis of volcano flank instability: The eastern sector of Etna from 1980 to 2012. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5098-5108.	3.4	26

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19	Integration of Ground-Based Remote-Sensing and In Situ Multidisciplinary Monitoring Data to Analyze the Eruptive Activity of Stromboli Volcano in 2017â€“2018. <i>Remote Sensing</i> , 2019, 11, 1813.	4.0	25
20	High precision locations of multiplets on south-eastern flank of Mt. Etna (Italy): reconstruction of fault plane geometry. <i>Physics of the Earth and Planetary Interiors</i> , 2003, 135, 281-289.	1.9	23
21	Relationship between soil CO2 flux and volcanic tremor at Mt. Etna: Implications for magma dynamics. <i>Environmental Earth Sciences</i> , 2010, 61, 477-489.	2.7	21
22	Instrumental seismic catalogue of Mt. Etna earthquakes (Sicily, Italy): ten years (2000-2010) of instrumental recordings. <i>Annals of Geophysics</i> , 2015, 58, .	1.0	18
23	Seismic features of the June 1999 tectonic swarm in the Stromboli volcano region, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 125, 121-136.	2.1	17
24	Time variation of spectral and wavefield features of volcanic tremor at Mt. Etna (Januaryâ€“June 1999). <i>Journal of Volcanology and Geothermal Research</i> , 2007, 161, 318-332.	2.1	17
25	Hydrothermal fluid flow disruptions evidenced by subsurface changes in heat transfer modality: The La Fossa cone of Vulcano (Italy) case study. <i>Geology</i> , 2015, 43, 959-962.	4.4	17
26	Genesis and mechanisms controlling tornillo seismo-volcanic events in volcanic areas. <i>Scientific Reports</i> , 2019, 9, 7338.	3.3	15
27	Dynamics of Vulcano Island (Tyrrhenian Sea, Italy) investigated by long-term (40â€“years) geophysical data. <i>Earth-Science Reviews</i> , 2019, 190, 521-535.	9.1	14
28	Heat flux-based strategies for the thermal monitoring of sub-fumarolic areas: Examples from Vulcano and La SoufriÃ¨re de Guadeloupe. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 343, 122-134.	2.1	8
29	Repeating volcano-tectonic earthquakes at Mt. Etna volcano (Sicily, Italy) during 1999â€“2009. <i>Gondwana Research</i> , 2013, 24, 1223-1236.	6.0	7
30	Buried active faults in the Zafferana Etnea territory (south-eastern flank of Mt. Etna): geometry and kinematics by earthquake relocation and focal mechanisms. <i>Annals of Geophysics</i> , 2013, 56, .	1.0	5
31	Repeating earthquakes and ground deformation reveal the structure and triggering mechanisms of the Pernicana fault, Mt. Etna. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	4
32	Application of BET_EF at Mount Etna: a retrospective analysis (years 2001-2005). <i>Annals of Geophysics</i> , 2011, 54, .	1.0	3