

Alessandro La Spina

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

922
citations

567144

15
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

946
citing authors

#	ARTICLE	IF	CITATIONS
1	Magmatic Gas Composition Reveals the Source Depth of Slug-Driven Strombolian Explosive Activity. <i>Science</i> , 2007, 317, 227-230.	6.0	315
2	Monitoring the December 2015 summit eruptions of Mt. Etna (Italy): Implications on eruptive dynamics. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 341, 53-69.	0.8	83
3	An unloading foam model to constrain Etna's 11-13 January 2011 lava fountaining episode. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	72
4	Unravelling the processes controlling gas emissions from the central and northeast craters of Mt. Etna. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 198, 368-376.	0.8	50
5	Major eruptive style changes induced by structural modifications of a shallow conduit system: the 2007-2012 Stromboli case. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	1.1	50
6	A comprehensive interpretative model of slow slip events on Mt. Etna's eastern flank. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 635-658.	1.0	48
7	Multiparametric study of the February-April 2013 paroxysmal phase of Mount Etna New South-East crater. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1932-1949.	1.0	41
8	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.	1.8	37
9	Ground-Based Measurements of the 2014-2015 Holuhraun Volcanic Cloud (Iceland). <i>Geosciences (Switzerland)</i> , 2018, 8, 29.	1.0	35
10	New insights into volcanic processes at Stromboli from Cerberus, a remote-controlled open-path FTIR scanner system. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 249, 66-76.	0.8	34
11	The unusual 28 December 2014 dike-fed paroxysm at Mount Etna: Timing and mechanism from a multidisciplinary perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2037-2053.	1.4	33
12	The role of syn-eruptive vesiculation on explosive basaltic activity at Mt. Etna, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 179, 265-269.	0.8	31
13	Intense overpressurization at basaltic open-conduit volcanoes as inferred by geochemical signals: The case of the Mt. Etna December 2018 eruption. <i>Science Advances</i> , 2021, 7, eabg6297.	4.7	20
14	Crater Gas Emissions and the Magma Feeding System of Stromboli Volcano. <i>Geophysical Monograph Series</i> , 0, , 65-80.	0.1	16
15	Emission of gas and atmospheric dispersion of SO ₂ during the December 2013 eruption at San Miguel volcano (El Salvador, Central America). <i>Geophysical Research Letters</i> , 2015, 42, 5847-5854.	1.5	16
16	Small-scale volcanic aerosols variability, processes and direct radiative impact at Mount Etna during the EPL-RADIO campaigns. <i>Scientific Reports</i> , 2020, 10, 15224.	1.6	16
17	A novel methodology to determine volcanic aerosols optical properties in the UV and NIR and Ångström parameters using Sun photometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9803-9815.	1.2	7
18	A New Degassing Model to Infer Magma Dynamics from Radioactive Disequilibria in Volcanic Plumes. <i>Geosciences (Switzerland)</i> , 2018, 8, 27.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Aerosol Optical Properties of Pacaya Volcano Plume Measured with a Portable Sun-Photometer. <i>Geosciences (Switzerland)</i> , 2018, 8, 36.	1.0	5
20	Infrared Hyperspectral and Ultraviolet Remote Measurements of Volcanic Gas Plume at MT Etna during IMAGETNA Campaign. <i>Remote Sensing</i> , 2019, 11, 1175.	1.8	3