

Alessandro La Spina

List of Publications by Year in descending order

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20
papers

922
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946
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | A New Degassing Model to Infer Magma Dynamics from Radioactive Disequilibria in Volcanic Plumes. <i>Geosciences (Switzerland)</i> , 2018, 8, 27. | 1.0 | 7 |
| 5 | Ground-Based Measurements of the 2014–2015 Holuhraun Volcanic Cloud (Iceland). <i>Geosciences (Switzerland)</i> , 2018, 8, 29. | 1.0 | 35 |
| 6 | Aerosol Optical Properties of Pacaya Volcano Plume Measured with a Portable Sun-Photometer. <i>Geosciences (Switzerland)</i> , 2018, 8, 36. | 1.0 | 5 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Multiparametric study of the February–April 2013 paroxysmal phase of Mount Etna New South Wales East crater. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1932-1949. | 1.0 | 41 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|-------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Magmatic Gas Composition Reveals the Source Depth of Slug-Driven Strombolian Explosive Activity. Science, 2007, 317, 227-230. | 6.0 | 315 |
| 20 | Crater Gas Emissions and the Magma Feeding System of Stromboli Volcano. Geophysical Monograph Series, 0, , 65-80. | 0.1 | 16 |