

# Dario Delle Donne

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/519313/publications.pdf>

Version: 2024-02-01

40  
papers

1,627  
citations

279798

23  
h-index

302126

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1489  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time tephra-fallout accumulation rates and grain-size distributions using ASHER (ASH collector) Tj ETQq1 1 0.784314 rgBT /Overfbc	2.1	14
2	Ground deformation reveals the scale-invariant conduit dynamics driving explosive basaltic eruptions. <i>Nature Communications</i> , 2021, 12, 1683.	12.8	26
3	Volcanic CO <sub>2</sub> tracks the incubation period of basaltic paroxysms. <i>Science Advances</i> , 2021, 7, eabh0191.	10.3	25
4	Magma pressure discharge induces very long period seismicity. <i>Scientific Reports</i> , 2021, 11, 20065.	3.3	9
5	Thermal Remote Sensing for Global Volcano Monitoring: Experiences From the MIROVA System. <i>Frontiers in Earth Science</i> , 2020, 7, .	1.8	52
6	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
7	Changes in SO <sub>2</sub> Flux Regime at Mt. Etna Captured by Automatically Processed Ultraviolet Camera Data. <i>Remote Sensing</i> , 2019, 11, 1201.	4.0	20
8	Understanding the SO <sub>2</sub> 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
9	Insights Into the Mechanisms of Phreatic Eruptions From Continuous High Frequency Volcanic Gas Monitoring: Rincañ de la Vieja Volcano, Costa Rica. <i>Frontiers in Earth Science</i> , 2019, 6, .	1.8	12
10	Infrasonic Early Warning System for Explosive Eruptions. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9570-9585.	3.4	76
11	Dynamic Triggering of Mud Volcano Eruptions During the 2016â€“2017 Central Italy Seismic Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9149-9165.	3.4	16
12	Forecasting Effusive Dynamics and Decompression Rates by Magmastatic Model at Open-vent Volcanoes. <i>Scientific Reports</i> , 2017, 7, 3885.	3.3	38
13	Exploring the explosiveâ€“effusive transition using permanent ultraviolet cameras. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4377-4394.	3.4	22
14	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
15	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
16	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 1916â€“1920 timeâ€“space cluster of earthquakes. <i>Tectonophysics</i> , 2016, 680, 67-89.	2.2	26
17	Tracking dynamics of magma migration in open-conduit systems. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	42
18	Spatially resolved SO <sub>2</sub> flux emissions from Mt Etna. <i>Geophysical Research Letters</i> , 2016, 43, 7511-7519.	4.0	34

#	ARTICLE	IF	CITATIONS
19	Modeling Volcanic Eruption Parameters by Near-Source Internal Gravity Waves. <i>Scientific Reports</i> , 2016, 6, 36727.	3.3	11
20	Remote monitoring of building oscillation modes by means of real-time Mid Infrared Digital Holography. <i>Scientific Reports</i> , 2016, 6, 23688.	3.3	18
21	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
22	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
23	Magma extrusion during the Ubinas 2013â€“2014 eruptive crisis based on satellite thermal imaging (MIROVA) and ground-based monitoring. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 302, 199-210.	2.1	21
24	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
25	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
26	Chapter 9 Thermal, acoustic and seismic signals from pyroclastic density currents and Vulcanian explosions at Soufri�re Hills Volcano, Montserrat. <i>Geological Society Memoir</i> , 2014, 39, 169-178.	1.7	19
27	Blast waves from violent explosive activity at Yasur Volcano, Vanuatu. <i>Geophysical Research Letters</i> , 2013, 40, 5838-5843.	4.0	67
28	Ash-plume dynamics and eruption source parameters by infrasound and thermal imagery: The 2010 Eyjafjallaj�kull eruption. <i>Earth and Planetary Science Letters</i> , 2013, 366, 112-121.	4.4	99
29	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
30	Modern Multispectral Sensors Help Track Explosive Eruptions. <i>Eos</i> , 2013, 94, 321-322.	0.1	23
31	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
32	Radiative heat power at Stromboli volcano during 2000â€“2011: Twelve years of MODIS observations. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 215-216, 48-60.	2.1	53
33	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
34	Earthquake-induced thermal anomalies at active volcanoes. <i>Geology</i> , 2010, 38, 771-774.	4.4	79
35	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
36	Radon surveys and real-time monitoring at Stromboli volcano: Influence of soil temperature, atmospheric pressure and tidal forces on <sup>222</sup> Rn degassing. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 381-388.	2.1	78

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37	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
38	Late Pliocene–Quaternary evolution of outermost hinterland basins of the Northern Apennines (Italy), and their relevance to active tectonics. <i>Tectonophysics</i> , 2009, 476, 336-356.	2.2	48
39	Tracking Pyroclastic Flows at Soufrière Hills Volcano. <i>Eos</i> , 2009, 90, 229-230.	0.1	38
40	Dynamics of Strombolian Activity. <i>Geophysical Monograph Series</i> , 0, , 39-48.	0.1	32