

Paolo Madonia

List of Publications by Year in descending order

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54
papers

870
citations

516710

16
h-index

526287

27
g-index

56
all docs

56
docs citations

56
times ranked

992
citing authors

#	ARTICLE	IF	CITATIONS
1	Total CO ₂ output from Vulcano island (Aeolian Islands, Italy). <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	75
2	The episodic and abrupt geochemical changes at La Fossa fumaroles (Vulcano Island, Italy) and related constraints on the dynamics, structure, and compositions of the magmatic system. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 158-178.	3.9	70
3	The 2002-2003 eruption of Stromboli (Italy): Evaluation of the volcanic activity by means of continuous monitoring of soil temperature, CO ₂ flux, and meteorological parameters. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	53
4	A multidisciplinary approach to the evaluation of the mechanism that triggered the Cerda landslide (Sicily, Italy). <i>Geomorphology</i> , 2005, 65, 101-116.	2.6	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.	3.0	50
6	Tidal and hydrological periodicities of seismicity reveal new risk scenarios at Campi Flegrei caldera. <i>Scientific Reports</i> , 2018, 8, 13808.	3.3	50
7	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
8	Geochemistry of rainfall at Stromboli volcano (Aeolian Islands): Isotopic composition and plume-rain interaction. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	43
9	Geochemical evaluation of observed changes in volcanic activity during the 2007 eruption at Stromboli (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2009, 182, 246-254.	2.1	42
10	The behavior of rare-earth elements, Zr and Hf during biologically-mediated deposition of silica-stromatolites and carbonate-rich microbial mats. <i>Gondwana Research</i> , 2015, 27, 209-215.	6.0	35
11	Carbonate precipitation in the alkaline lake Specchio di Venere (Pantelleria Island, Italy) and the possible role of microbial mats. <i>Applied Geochemistry</i> , 2016, 67, 168-176.	3.0	33
12	Response of the shallow aquifer of the volcano-hydrothermal system during the recent crises at Vulcano Island (Aeolian Archipelago, Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 273, 70-80.	2.1	25
13	Geomorphological and geochemical characterization of the 11 August 2008 mud volcano eruption at S. Barbara village (Sicily, Italy) and its possible relationship with seismic activity. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 1545-1557.	3.6	20
14	Thermal anomalies in fumaroles at Vulcano island (Italy) and their relationship with seismic activity. <i>Physics and Chemistry of the Earth</i> , 2013, 63, 160-169.	2.9	20
15	Crustal dynamics of Mount Vesuvius from 1998 to 2005: Effects on seismicity and fluid circulation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
16	Hydrologic and geochemical survey of the lake "Specchio di Venere" (Pantelleria island, Southern Sicily). <i>Journal of Hydrology</i> , 2008, 357, 1-17.	1.25	17
17	Chemical composition of precipitation at Mt. Vesuvius and Vulcano Island, Italy: volcanological and environmental implications. <i>Environmental Earth Sciences</i> , 2010, 61, 159-171.	2.7	17
18	Continuous monitoring of fumarole temperatures at Mount Etna (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 257, 12-20.	2.1	16

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19	Potentially harmful elements released by volcanic ashes: Examples from the Mediterranean area. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 337, 16-28.	2.1	16
20	Heavy Metal Concentrations in the Groundwater of the Barcellona-Milazzo Plain (Italy): Contributions from Geogenic and Anthropogenic Sources. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 285.	2.6	15
21	Spatial Distribution of Field Physico-Chemical Parameters in the Vulcano Island (Italy) Coastal Aquifer: Volcanological and Hydrogeological Implications. <i>Water (Switzerland)</i> , 2015, 7, 3206-3224.	2.7	14
22	Contemporary total dissolved gas pressure and soil temperature anomalies recorded at Stromboli volcano (Italy). <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	12
23	Shallow landslide generation at La Fossa cone, Vulcano island (Italy): a multidisciplinary perspective. <i>Landslides</i> , 2019, 16, 921-935.	5.4	11
24	Geological development of a gypsum lake formed at the beginning of the 20th century in central Sicily, Italy: Integration of historical data with modern survey techniques. <i>Chemistry and Ecology</i> , 2006, 22, S333-S347.	1.6	9
25	Tracking the recent dynamics of Mt. Vesuvius from joint investigations of ground deformation, seismicity and geofluid circulation. <i>Scientific Reports</i> , 2021, 11, 965.	3.3	9
26	Time variability of low-temperature fumaroles at Stromboli island (Italy) and its application to volcano monitoring. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	8
27	The use of shallow dripwater as an isotopic marker of seepage in karst areas: A comparison between Western Sicily (Italy) and the Harz Mountains (Germany). <i>Applied Geochemistry</i> , 2013, 34, 231-239.	3.0	8
28	Hydrogeochemical Characters of Karst Aquifers in Central Italy and Relationship with Neotectonics. <i>Water (Switzerland)</i> , 2020, 12, 1926.	2.7	8
29	Mapping fumarolic fields in volcanic areas: A methodological approach based on the case study of La Fossa cone, Vulcano island (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2016, 324, 1-7.	2.1	7
30	Aquatic Macrophytes Occurrence in Mediterranean Farm Ponds: Preliminary Investigations in North-Western Sicily (Italy). <i>Plants</i> , 2021, 10, 1292.	3.5	7
31	Flow Changes and Geochemical Anomalies in Warm and Cold Springs Associated with the 1992-1994 Seismic Sequence at Pollina, Central Sicily, Italy. <i>Pure and Applied Geophysics</i> , 2007, 164, 2411-2430.	1.9	6
32	Isotopic composition of rain- and groundwater at Mt. Vesuvius: environmental and volcanological implications. <i>Environmental Earth Sciences</i> , 2014, 72, 2009-2018.	2.7	6
33	Chemical characterisation of rainwater at Stromboli Island (Italy): The effect of post-depositional processes. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 335, 82-91.	2.1	6
34	Variations of low temperature fumaroles as a tool for detecting changes in volcanic activity state: a brief overview. <i>Advances in Geosciences</i> , 0, 52, 97-103.	12.0	6
35	Volcanic Gas Hazard Assessment in the Baia di Levante Area (Vulcano Island, Italy) Inferred by Geochemical Investigation of Passive Fluid Degassing. <i>Geosciences (Switzerland)</i> , 2021, 11, 478.	2.2	6
36	The role of near-surface cavities in the carbon dioxide cycle of karst areas: evidence from the Carburangeli Cave Natural Reserve (Italy). <i>Environmental Earth Sciences</i> , 2012, 67, 2423-2439.	2.7	5

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37	Groundwater geochemistry of the Mt. Vesuvius area: implications for volcano surveillance and relationship with hydrological and seismic signals. <i>Annals of Geophysics</i> , 2013, 56, .	1.0	5
38	Influence of volcanic activity on the quality of water collected in roof water catchment systems at Stromboli Island (Italy). <i>Journal of Geochemical Exploration</i> , 2013, 131, 28-36.	3.2	4
39	Hydrogeological and Geochemical Characteristics of the Coastal Aquifer of Stromboli Volcanic Island (Italy). <i>Water (Switzerland)</i> , 2021, 13, 417.	2.7	4
40	Seismic activity and thermal regime of low temperature fumaroles at Mt. Vesuvius in 2004-2011: distinguishing among seismic, volcanic and hydrological signals. <i>Annals of Geophysics</i> , 2013, 56, .	1.0	3
41	The Santa Ninfa Cave (Belice Valley): hydrogeochemical features and relationships with neotectonics. <i>Annals of Geophysics</i> , 2020, 63, .	1.0	3
42	Variations of Soil Temperature, CO ₂ Flux, and Meteorological Parameters. <i>Geophysical Monograph Series</i> , 0, , 269-277.	0.1	2
43	Anthropogenic and solar forcing in ¹³ C time pattern of coralline sponges. <i>Isotopes in Environmental and Health Studies</i> , 2014, 50, 491-496.	1.0	2
44	Preliminary geochemical characterization of groundwater drained by the Roman emissary of Lake Albano (Italy). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	2
45	Possible Micrometeorological Anomalies Induced by Volcanic Activity Recorded at Stromboli Island (Aeolian Archipelago, Italy). <i>Advances in Meteorology</i> , 2015, 2015, 1-7.	1.6	1
46	Geochemical and Isotopic Characterisation of Actual Lacustrine Sediments from the Hydrothermal Lake Specchio di Venere, Pantelleria Island (Italy). <i>Journal of Chemistry</i> , 2016, 2016, 1-11.	1.9	1
47	Modeling Rain Isotopic Composition under Orographic Control: A Landscape Approach for Hydrogeological Applications. <i>Hydrology</i> , 2021, 8, 22.	3.0	1
48	The use of non-invasive field techniques in the study of small topographically closed lakes: two case studies in Sicily (Italy). <i>Annals of Geophysics</i> , 2013, 56, .	1.0	1
49	Decoupling of ground level pressures observed in Italian volcanoes: are they driven by space weather geo-effectiveness?. <i>Annals of Geophysics</i> , 2014, 57, .	1.0	1
50	Atmospheric Concentration of CO ₂ and PM _{2.5} at Salina, Stromboli, and Vulcano Islands (Italy): How Anthropogenic Sources, Ordinary Volcanic Activity and Unrests Affect Air Quality. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4833.	2.6	1
51	Geochemistry and mineralogy of a complex sedimentary deposit in the alkaline volcanic Lake Specchio di Venere (Pantelleria Island, south Mediterranean). <i>Journal of Limnology</i> , 2018, 77, .	1.1	0
52	Georeferenced cartography dataset of the La Fossa crater fumarolic field at Vulcano Island (Aeolian) <i>Annals of Geophysics</i> , 2011, 54, .	1.0	0
53	Foreword 1968-2018: Fifty years after the Belice's earthquake.. <i>Annals of Geophysics</i> , 2020, 63, .	1.0	0
54	Application of Geostatistical Tools to the Geochemical Characterization of the Peloritani Mts (Sicily),	2.7	0