

Mariano Valenza

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,603
citations

361413

20
h-index

552781

26
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28
all docs

28
docs citations

28
times ranked

1603
citing authors

#	ARTICLE	IF	CITATIONS
1	Forecasting Etna eruptions by real-time observation of volcanic gas composition. <i>Geology</i> , 2007, 35, 1115.	4.4	270
2	Mobility and fluxes of major, minor and trace metals during basalt weathering and groundwater transport at Mt. Etna volcano (Sicily). <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1827-1841.	3.9	232
3	Fluid circulation at Stromboli volcano (Aeolian Islands, Italy) from self-potential and CO ₂ surveys. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 116, 1-18.	2.1	137
4	The aquatic geochemistry of arsenic in volcanic groundwaters from southern Italy. <i>Applied Geochemistry</i> , 2003, 18, 1283-1296.	3.0	101
5	The summit hydrothermal system of Stromboli. New insights from self-potential, temperature, CO ₂ and fumarolic fluid measurements, with structural and monitoring implications. <i>Bulletin of Volcanology</i> , 2003, 65, 486-504.	3.0	95
6	Anomalous soil CO ₂ degassing in relation to faults and eruptive fissures on Mount Etna (Sicily, Italy). <i>Bulletin of Volcanology</i> , 1998, 60, 252-259.	3.0	80
7	Relationships between diffuse CO ₂ emissions and volcanic activity on the island of Vulcano (Aeolian) Tj ETQq1 1 0,784314 rgBT /Ove	3.0	77
8	MAJOR AND TRACE ELEMENTS GEOCHEMISTRY IN THE GROUND WATERS OF A VOLCANIC AREA: MOUNT ETNA (SICILY, ITALY). <i>Water Research</i> , 1998, 32, 19-30.	11.3	68
9	Trace metal modeling of groundwater-gas-rock interactions in a volcanic aquifer: Mount Vesuvius, Southern Italy. <i>Chemical Geology</i> , 2005, 216, 289-311.	3.3	62
10	Soil CO ₂ degassing along tectonic structures of Mount Etna (Sicily): the Pernicana fault. <i>Applied Geochemistry</i> , 1997, 12, 429-436.	3.0	61
11	Mg, Mn, Fe, and V concentrations in the ground waters of Mount Etna (Sicily). <i>Water Research</i> , 1996, 30, 378-386.	11.3	43
12	New evidence for the form and extent of the Pernicana Fault System (Mt. Etna) from structural and soil-gas surveying. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 84, 143-152.	2.1	42
13	Soil CO ₂ . <i>Bulletin of Volcanology</i> , 1995, 57, 52.	3.0	42
14	Geochemical monitoring of groundwaters (1998-2001) at Vesuvius volcano (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2004, 133, 81-104.	2.1	41
15	Diffuse degassing of carbon dioxide at Somma-Vesuvius volcanic complex (Southern Italy) and its relation with regional tectonics. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 133, 55-79.	2.1	38
16	Medium-term anomalies in groundwater temperature before 1991-1993 Mt. Etna eruption. <i>Journal of Volcanology and Geothermal Research</i> , 1996, 73, 303-308.	2.1	30
17	Isotopic composition of single rain events in the central Mediterranean. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
18	Magmatic gas leakage at Mount Etna (Sicily, Italy): Relationships with the volcano-tectonic structures, the hydrological pattern and the eruptive activity.. <i>Geophysical Monograph Series</i> , 2004, , 129-145.	0.1	25

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19	Moisture source in the Hyblean Mountains region (south-eastern Sicily, Italy): Evidence from stable isotopes signature. <i>Applied Geochemistry</i> , 2006, 21, 2082-2095.	3.0	21
20	Fault-controlled Soil CO ₂ Degassing and Shallow Magma Bodies: Summit and Lower East Rift of Kilauea Volcano (Hawaii), 1997. <i>Pure and Applied Geophysics</i> , 2006, 163, 853-867.	1.9	21
21	Continuous monitoring of hydrogen and carbon dioxide at Mt Etna. <i>Chemical Geology</i> , 2013, 357, 41-51.	3.3	20
22	Geochemical investigations applied to active fault detection in a volcanic area: the North-East Rift on Mt. Etna (Sicily, Italy). <i>Geophysical Research Letters</i> , 1999, 26, 2005-2008.	4.0	18
23	In situ Permeability Measurements Based on a Radial Gas Advection Model: Relationships Between Soil Permeability and Diffuse CO ₂ Degassing in Volcanic Areas. <i>Pure and Applied Geophysics</i> , 2006, 163, 897-914.	1.9	18
24	Quantitative models of hydrothermal fluid-mineral reaction: The Ischia case. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 108-129.	3.9	16
25	Asynchronous changes of CO ₂ , H ₂ , and He concentrations in soil gases: A theoretical model and experimental results. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 1565-1583.	3.4	10
26	Temporal variations in air permeability and soil CO ₂ flux in volcanic ash soils (island of Vulcano, I) <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 10, 853-867.	2.5	8
27	Fault-controlled Soil CO ₂ Degassing and Shallow Magma Bodies: Summit and Lower East Rift of Kilauea Volcano (Hawaii), 1997. <i>Pure and Applied Geophysics</i> , 2006, 163, 853-867.		1