

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
docs citations

28
times ranked

1603
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal variations in air permeability and soil CO ₂ flux in volcanic ash soils (island of Vulcano, I) Tj ETQq1 1 0.784314 rgBT /Overlook	2.5	25
2	Asynchronous changes of CO ₂ , H ₂ , and He concentrations in soil gases: A theoretical model and experimental results. Journal of Geophysical Research: Solid Earth, 2016, 121, 1565-1583.	3.4	10
3	Quantitative models of hydrothermal fluid-mineral reaction: The Ischia case. Geochimica Et Cosmochimica Acta, 2013, 105, 108-129.	3.9	16
4	Continuous monitoring of hydrogen and carbon dioxide at Mt Etna. Chemical Geology, 2013, 357, 41-51.	3.3	20
5	Isotopic composition of single rain events in the central Mediterranean. Journal of Geophysical Research, 2008, 113, .	3.3	26
6	Forecasting Etna eruptions by real-time observation of volcanic gas composition. Geology, 2007, 35, 1115.	4.4	270
7	Moisture source in the Hyblean Mountains region (south-eastern Sicily, Italy): Evidence from stable isotopes signature. Applied Geochemistry, 2006, 21, 2082-2095.	3.0	21
8	Fault-controlled Soil CO ₂ Degassing and Shallow Magma Bodies: Summit and Lower East Rift of Kilauea Volcano (Hawaii), 1997. Pure and Applied Geophysics, 2006, 163, 853-867.	1.9	21
9	In situ Permeability Measurements Based on a Radial Gas Advection Model: Relationships Between Soil Permeability and Diffuse CO ₂ Degassing in Volcanic Areas. Pure and Applied Geophysics, 2006, 163, 897-914.	1.9	18
10	Trace metal modeling of groundwater-gas-rock interactions in a volcanic aquifer: Mount Vesuvius, Southern Italy. Chemical Geology, 2005, 216, 289-311.	3.3	62
11	Diffuse degassing of carbon dioxide at Somma-Vesuvius volcanic complex (Southern Italy) and its relation with regional tectonics. Journal of Volcanology and Geothermal Research, 2004, 133, 55-79.	2.1	38
12	Geochemical monitoring of groundwaters (1998-2001) at Vesuvius volcano (Italy). Journal of Volcanology and Geothermal Research, 2004, 133, 81-104.	2.1	41
13	Magmatic gas leakage at Mount Etna (Sicily, Italy): Relationships with the volcano-tectonic structures, the hydrological pattern and the eruptive activity.. Geophysical Monograph Series, 2004, , 129-145.	0.1	25
14	The summit hydrothermal system of Stromboli. New insights from self-potential, temperature, CO ₂ and fumarolic fluid measurements, with structural and monitoring implications. Bulletin of Volcanology, 2003, 65, 486-504.	3.0	95
15	The aquatic geochemistry of arsenic in volcanic groundwaters from southern Italy. Applied Geochemistry, 2003, 18, 1283-1296.	3.0	101
16	Fluid circulation at Stromboli volcano (Aeolian Islands, Italy) from self-potential and CO ₂ surveys. Journal of Volcanology and Geothermal Research, 2002, 116, 1-18.	2.1	137
17	Relationships between diffuse CO ₂ emissions and volcanic activity on the island of Vulcano (Aeolian) Tj ETQq1 1 0.784314 rgBT /Overlook	3.0	97
18	Mobility and fluxes of major, minor and trace metals during basalt weathering and groundwater transport at Mt. Etna volcano (Sicily). Geochimica Et Cosmochimica Acta, 2000, 64, 1827-1841.	3.9	232

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Soil CO. <i>Bulletin of Volcanology</i> , 1995, 57, 52.	3.0	42
27	Fault-controlled Soil CO ₂ Degassing and Shallow Magma Bodies: Summit and Lower East Rift of Kilauea Volcano (Hawaii), 1997. , 0, , 853-867.		1