

Fausto Grassa

List of Publications by Year in descending order

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54
papers

1,107
citations

361413

20
h-index

434195

31
g-index

60
all docs

60
docs citations

60
times ranked

1375
citing authors

#	ARTICLE	IF	CITATIONS
1	First observations of the fumarolic gas output from a restless caldera: Implications for the current period of unrest (2005–2013) at Campi Flegrei. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4153-4169.	2.5	91
2	Hydrogeochemistry and stable isotopes of thermal springs: earthquake-related chemical changes along Belice Fault (Western Sicily). <i>Applied Geochemistry</i> , 2001, 16, 1-17.	3.0	54
3	Hydrogeochemistry of Alpine springs from North Slovenia: Insights from stable isotopes. <i>Chemical Geology</i> , 2012, 300-301, 40-54.	3.3	51
4	Isotopic composition of precipitation and groundwater in Sicily, Italy. <i>Applied Geochemistry</i> , 2013, 34, 199-206.	3.0	46
5	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
6	Extensive CO ₂ degassing in the upper mantle beneath oceanic basaltic volcanoes: First insights from Piton de la Fournaise volcano (La Réunion Island). <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 376-401.	3.9	43
7	Chemical and Isotopic Composition of Waters and Dissolved Gases in Some Thermal Springs of Sicily and Adjacent Volcanic Islands, Italy. <i>Pure and Applied Geophysics</i> , 2006, 163, 781-807.	1.9	42
8	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
9	A geochemical and stable isotope investigation of groundwater/surface-water interactions in the Velenje Basin, Slovenia. <i>Hydrogeology Journal</i> , 2014, 22, 971-984.	2.1	42
10	The 2014 effusive eruption at Stromboli volcano (Italy): Inferences from soil CO ₂ flux and ³ He/ ⁴ He ratio in thermal waters. <i>Geophysical Research Letters</i> , 2015, 42, 2235-2243.	4.0	42
11	Volcanic CO ₂ flux measurement at Campi Flegrei by tunable diode laser absorption spectroscopy. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	36
12	Ground-Based Measurements of the 2014–2015 Holuhraun Volcanic Cloud (Iceland). <i>Geosciences (Switzerland)</i> , 2018, 8, 29.	2.2	35
13	Fractionation processes affecting the stable carbon isotope signature of thermal waters from hydrothermal/volcanic systems: The examples of Campi Flegrei and Vulcano Island (southern Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2017, 345, 46-57.	2.1	34
14	Carbon isotope composition of CO ₂ -rich inclusions in cumulate-forming mantle minerals from Stromboli volcano (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2017, 346, 95-103.	2.1	33
15	Origin of methane and light hydrocarbons in natural fluid emissions: A key study from Greece. <i>Chemical Geology</i> , 2018, 479, 286-301.	3.3	32
16	Stable carbon isotope analysis of dissolved inorganic carbon (DIC) and dissolved organic carbon (DOC) in natural waters – Results from a worldwide proficiency test. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2099-2107.	1.5	28
17	Anomalous concentrations of arsenic, fluoride and radon in volcanic-sedimentary aquifers from central Italy: Quality indexes for management of the water resource. <i>Environmental Pollution</i> , 2019, 253, 525-537.	7.5	26
18	Degassing regime of Hekla volcano 2012–2013. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 159, 80-99.	3.9	24

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19	Nitrogen isotopes in thermal fluids of a forearc region (Jalisco Block, Mexico): Evidence for heavy nitrogen from continental crust. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	22
20	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
21	Mantle Degassing Through Continental Crust Triggered by Active Faults: The Case of the Baja California Peninsula, Mexico. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1912-1936.	2.5	21
22	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
23	The carbon-isotope signature of ultramafic xenoliths from the Hyblean Plateau (southeast Sicily, Italy). <i>Journal of Petrology</i> , 2014, 55, 107-124.	2.5	20
24	Total (fumarolic + diffuse soil) CO ₂ output from Furnas volcano. <i>Earth, Planets and Space</i> , 2015, 67, 174-182.	2.5	20
25	Geochemical and hydrogeological characterization of thermal springs in Western Sicily, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 84, 125-141.	2.1	19
26	Molecular and isotopic composition of free hydrocarbon gases from Sicily, Italy. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	18
27	The influence of high pCO ₂ on otolith shape, chemical and carbon isotope composition of six coastal fish species in a Mediterranean shallow CO ₂ vent. <i>Marine Biology</i> , 2017, 164, 1.	1.5	18
28	Mantle-derived carbon in Hercynian granites. Stable isotopes signatures and C/He associations in the thermomineral waters, N-Portugal. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 189, 49-56.	2.1	17
29	Distribution, composition and origin of coalbed gases in excavation fields from the Preloge and Pesje mining areas, Velenje Basin, Slovenia. <i>International Journal of Coal Geology</i> , 2014, 131, 363-377.	5.0	14
30	Geochemistry of hydrothermal fluids from the eastern sector of the Sabatini Volcanic District (central Italy). <i>Applied Geochemistry</i> , 2017, 84, 187-201.	3.0	14
31	Hydrochemical evolution and environmental features of Salso River catchment, central Sicily (Italy). <i>Environmental Geology</i> , 2000, 39, 1205-1215.	1.2	13
32	Gas blowout from shallow boreholes near Fiumicino International Airport (Rome): Gas origin and hazard assessment. <i>Chemical Geology</i> , 2015, 407-408, 54-65.	3.3	13
33	Water and dissolved gas geochemistry at Coatepeque, Ilopango and Chanmico volcanic lakes (El Salvador). <i>Journal of Volcanology and Geothermal Research</i> , 2011, 124, 1-13.	2.1	13
34	Nitrogen isotopes determination in natural gas: analytical method and first results on magmatic, hydrothermal and soil gas samples. <i>Isotopes in Environmental and Health Studies</i> , 2010, 46, 141-155.	1.0	12
35	Tunable diode laser measurements of hydrothermal/volcanic CO ₂ and implications for the global CO ₂ budget. <i>Solid Earth</i> , 2014, 5, 1209-1221.	2.8	9
36	Fluid escape structures in the north Sicily continental margin. <i>Marine and Petroleum Geology</i> , 2014, 55, 202-213.	3.3	9

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37	Gas Geochemistry at Grande Comore and Mayotte Volcanic Islands (Comoros Archipelago), Indian Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009870.	2.5	8
38	The mud volcanoes at Santa Barbara and Aragona (Sicily, Italy): a contribution to risk assessment. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3407-3419.	3.6	8
39	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
40	The effect of geochemical processes on groundwater in the Velenje coal basin, Slovenia: insights from mineralogy, trace elements and isotopes signatures. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	6
41	SANTORY: SANTORINI's Seafloor Volcanic Observatory. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	6
42	Geochemistry and potential use of groundwater in the Rocca Busambra area (Sicily, Italy). <i>Environmental Geology</i> , 2009, 57, 885-898.	1.2	5
43	Interlaboratory test for oxygen and hydrogen stable isotope analyses of geothermal fluids: Assessment of reservoir fluid compositions. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1799-1810.	1.5	5
44	Lithium isotopes and Cu-Au concentrations in hydrothermal alterations from Solfatara Volcano, Campi Flegrei caldera complex, and La Fossa volcano, Vulcano Island, Italy: Insights into epithermal ore forming environments. <i>Ore Geology Reviews</i> , 2021, 130, 103934.	2.7	4
45	Fluid Geochemistry of Stromboli. <i>Geophysical Monograph Series</i> , 0, , 49-63.	0.1	3
46	Authigenic Mineralization in Low-rank Coals from the Velenje Basin, Slovenia. <i>Journal of Sedimentary Research</i> , 2018, 88, 201-213.	1.6	3
47	Genesis of carbonate-rich veins in the serpentinites at the Calabria-Lucania boundary (southern) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.3	3
48	Interlaboratory test for stable carbon isotope analysis of dissolved inorganic carbon in geothermal fluids. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8685.	1.5	2
49	Novel hydrocarbon-utilizing soil mycobacteria synthesize unique mycocerosic acids at a Sicilian everlasting fire. <i>Biogeosciences</i> , 2021, 18, 1463-1479.	3.3	2
50	An Integrated Study of the Serpentinite-Hosted Hydrothermal System in the Pollino Massif (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.8	2
51	Recommendations and Protocols for the Use of the Isotope Ratio Infrared Spectrometer (Delta Ray) to Measure Stable Isotopes from CO ₂ : An Application to Volcanic Emissions at Mount Etna and Stromboli (Sicily, Italy). <i>Geofluids</i> , 2020, 2020, 1-21.	0.7	1
52	Exploring the 2013–2018 degassing mechanism from the Pesje and Preloge excavation fields in the Velenje Coal basin, Slovenia: insights from molecular composition and stable isotopes. <i>Isotopes in Environmental and Health Studies</i> , 2021, 57, 1-25.	1.0	1
53	Chemical and isotopic signature of groundwater in the Santa Ninfa karst system and possible inferences on neotectonics. <i>Annals of Geophysics</i> , 2019, 62, .	1.0	0
54	Flow Changes and Geochemical Anomalies in Warm and Cold Springs Associated with the 1992–1994 Seismic Sequence at Pollina, Central Sicily, Italy. , 2007, , 2411-2430.		0