

# Franco F Tassi

## List of Publications by Year in descending order

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186  
papers

4,757  
citations

81743

39  
h-index

155451

55  
g-index

193  
all docs

193  
docs citations

193  
times ranked

4002  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemistry of Quaternary travertines in the region north of Rome (Italy): structural, hydrologic and paleoclimatic implications. <i>Earth and Planetary Science Letters</i> , 2002, 203, 709-728.	1.8	152
2	Fluid geochemistry of hydrothermal systems in the Arica-Parinacota, Tarapacá and Antofagasta regions (northern Chile). <i>Journal of Volcanology and Geothermal Research</i> , 2010, 192, 1-15.	0.8	123
3	Geochemical modeling of CO <sub>2</sub> storage in deep reservoirs: The Weyburn Project (Canada) case study. <i>Chemical Geology</i> , 2009, 265, 181-197.	1.4	108
4	Sulfur Species in Volcanic Gases. <i>Analytical Chemistry</i> , 2001, 73, 3709-3715.	3.2	99
5	Fluid geochemical transect in the Northern Apennines (central-northern Italy): fluid genesis and migration and tectonic implications. <i>Tectonophysics</i> , 2000, 319, 199-222.	0.9	97
6	January 2002 volcano-tectonic eruption of Nyiragongo volcano, Democratic Republic of Congo. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	90
7	Past, present and future of volcanic lake monitoring. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 272, 78-97.	0.8	82
8	Origin and evolution of "intracratonic" thermal fluids from central-western peninsular India. <i>Earth and Planetary Science Letters</i> , 2000, 181, 377-394.	1.8	79
9	Origins of methane discharging from volcanic-hydrothermal, geothermal and cold emissions in Italy. <i>Chemical Geology</i> , 2012, 310-311, 36-48.	1.4	76
10	Water and gas chemistry at Lake Kivu (DRC): Geochemical evidence of vertical and horizontal heterogeneities in a multibasin structure. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	71
11	Source conditions and degradation processes of light hydrocarbons in volcanic gases: an example from El Chichón volcano (Chiapas State, Mexico). <i>Chemical Geology</i> , 2004, 206, 81-96.	1.4	68
12	A geochemical traverse across the Eastern Carpathians (Romania): constraints on the origin and evolution of the mineral water and gas discharges. <i>Chemical Geology</i> , 2002, 182, 637-654.	1.4	65
13	Gas geochemistry of the magmatic-hydrothermal fluid reservoir in the Copahue "Caviahue Volcanic Complex (Argentina). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 257, 44-56.	0.8	65
14	Evolution of fluid geochemistry at the Turrialba volcano (Costa Rica) from 1998 to 2008. <i>Bulletin of Volcanology</i> , 2010, 72, 397-410.	1.1	62
15	Chemical composition of fumarolic gases and spring discharges from El Chichón volcano, Mexico: causes and implications of the changes detected over the period 1998-2000. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 123, 105-121.	0.8	61
16	Hydrogeochemistry and strontium isotopes in the Arno River Basin (Tuscany, Italy): Constraints on natural controls by statistical modeling. <i>Journal of Hydrology</i> , 2008, 360, 166-183.	2.3	61
17	Gas chemistry of the Dallol region of the Danakil Depression in the Afar region of the northern-most East African Rift. <i>Chemical Geology</i> , 2013, 339, 16-29.	1.4	61
18	The magmatic- and hydrothermal-dominated fumarolic system at the Active Crater of Lascar volcano, northern Chile. <i>Bulletin of Volcanology</i> , 2009, 71, 171-183.	1.1	60

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19	Distribution of gaseous Hg in the Mercury mining district of Mt. Amiata (Central Italy): A geochemical survey prior the reclamation project. <i>Environmental Research</i> , 2013, 125, 179-187.	3.7	59
20	The hydrothermal-volcanic system of Rincon de la Vieja volcano (Costa Rica): A combined (inorganic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf possible application to volcanic surveillance. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 148, 315-333.	0.8	57
21	Submarine gas burst at Panarea Island (southern Italy) on 3 November 2002: A magmatic versus hydrothermal episode. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	56
22	Fluid mixing in carbonate aquifers near Rapolano (central Italy): chemical and isotopic constraints. <i>Applied Geochemistry</i> , 2002, 17, 1329-1342.	1.4	54
23	Spatial distribution of arsenic, uranium and vanadium in the volcanic-sedimentary aquifers of the Vicanoâ€™Cimino Volcanic District (Central Italy). <i>Journal of Geochemical Exploration</i> , 2015, 152, 123-133.	1.5	52
24	Degradation of C2â€™C15 volatile organic compounds in a landfill cover soil. <i>Science of the Total Environment</i> , 2009, 407, 4513-4525.	3.9	51
25	Low-pH waters discharging from submarine vents at Panarea Island (Aeolian Islands, southern Italy) after the 2002 gas blast: Origin of hydrothermal fluids and implications for volcanic surveillance. <i>Applied Geochemistry</i> , 2009, 24, 246-254.	1.4	50
26	Fluid geochemistry and geothermometry in the western sector of the Sabatini Volcanic District and the Tolfa Mountains (Central Italy). <i>Chemical Geology</i> , 2011, 284, 160-181.	1.4	50
27	Intense magmatic degassing through the lake of Copahue volcano, 2013â€™2014. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6071-6084.	1.4	50
28	Organic and inorganic geochemistry of low temperature gas discharges at the Baia di Levante beach, Vulcano Island, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 108, 173-185.	0.8	49
29	Geophysical, geochemical and geodetical signals of reawakening at Turrialba volcano (Costa Rica) after almost 150years of quiescence. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 198, 416-432.	0.8	49
30	Light hydrocarbons as redox and temperature indicators in the geothermal field of El Tatio (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	48
31	Origin of light hydrocarbons in gases from mud volcanoes and CH4-rich emissions. <i>Chemical Geology</i> , 2012, 294-295, 113-126.	1.4	48
32	Chemical characters of crater lakes in the Azores and Italy: the anomaly of Lake Albano.. <i>Geochemical Journal</i> , 1994, 28, 173-184.	0.5	46
33	Geochemical and isotopic changes in the fumarolic and submerged gas discharges during the 2011â€™2012 unrest at Santorini caldera (Greece). <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	46
34	Gas isotopic signatures (He, C, and Ar) in the Lake Kivu region (western branch of the East African rift) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	44
35	Geochemical and isotopic evidences of magmatic inputs in the hydrothermal reservoir feeding the fumarolic discharges of Tacora volcano (northern Chile). <i>Journal of Volcanology and Geothermal Research</i> , 2011, 208, 77-85.	0.8	44
36	Geochemical model of a magmaticâ€™hydrothermal system at the Lastarria volcano, northern Chile. <i>Bulletin of Volcanology</i> , 2012, 74, 119-134.	1.1	43

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37	Carbon dioxide diffuse emission and thermal energy release from hydrothermal systems at Copahue–Caviahue Volcanic Complex (Argentina). <i>Journal of Volcanology and Geothermal Research</i> , 2015, 304, 294-303.	0.8	43
38	Constraints on magma processes, subsurface conditions, and total volatile flux at Bezymianny Volcano in 2007–2010 from direct and remote volcanic gas measurements. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 263, 92-107.	0.8	42
39	Scrubbing process and chemical equilibria controlling the composition of light hydrocarbons in natural gas discharges: An example from the geothermal fields of El Salvador. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	1.0	41
40	Chemical and isotopic features of cold and thermal fluids discharged in the Southern Volcanic Zone between 32.5ÅS and 36ÅS: Insights into the physical and chemical processes controlling fluid geochemistry in geothermal systems of Central Chile. <i>Chemical Geology</i> , 2016, 420, 97-113.	1.4	41
41	Biogeochemistry and biodiversity in a network of saline–alkaline lakes: Implications of ecohydrological connectivity in the Kenyan Rift Valley. <i>Ecohydrology and Hydrobiology</i> , 2018, 18, 96-106.	1.0	41
42	Insights from fumarole gas geochemistry on the origin of hydrothermal fluids on the Yellowstone Plateau. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 265-278.	1.6	40
43	A magmatic source for fumaroles and diffuse degassing from the summit crater of Teide Volcano (Tenerife, Canary Islands): a geochemical evidence for the 2004–2005 seismic–volcanic crisis. <i>Bulletin of Volcanology</i> , 2012, 74, 1465-1483.	1.1	37
44	Time-dependent CO <sub>2</sub> variations in Lake Albano associated with seismic activity. <i>Bulletin of Volcanology</i> , 2012, 74, 861-871.	1.1	37
45	Volatile organic compounds (VOCs) in solid waste landfill cover soil: Chemical and isotopic composition vs. degradation processes. <i>Science of the Total Environment</i> , 2020, 726, 138326.	3.9	36
46	Thermal springs, fumaroles and gas vents of continental Yemen: Their relation with active tectonics, regional hydrology and the country’s geothermal potential. <i>Applied Geochemistry</i> , 2007, 22, 799-820.	1.4	35
47	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.	0.8	34
48	Impact of volcanic emissions on rainwater chemistry: The case of Mt. Nyiragongo in the Virunga volcanic region (DRC). <i>Journal of Geochemical Exploration</i> , 2013, 125, 69-79.	1.5	33
49	The Domuyo volcanic system: An enormous geothermal resource in Argentine Patagonia. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 274, 71-77.	0.8	33
50	Volatile organic compounds (VOCs) in soil gases from Solfatara crater (Campi Flegrei, southern Italy): Geogenic source(s) vs. biogeochemical processes. <i>Applied Geochemistry</i> , 2015, 56, 37-49.	1.4	33
51	Isotopic patterns of hydrothermal hydrocarbons emitted from Mediterranean volcanoes. <i>Chemical Geology</i> , 2015, 396, 152-163.	1.4	33
52	Abiogenesis not required to explain the origin of volcanic-hydrothermal hydrocarbons. <i>Geochemical Perspectives Letters</i> , 0, , 23-27.	1.0	33
53	Fluid geochemistry and geothermometry in the unexploited geothermal field of the Vicano–Cimino Volcanic District (Central Italy). <i>Chemical Geology</i> , 2014, 371, 96-114.	1.4	32
54	Seafloor doming driven by degassing processes unveils sprouting volcanism in coastal areas. <i>Scientific Reports</i> , 2016, 6, 22448.	1.6	32

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55	Origin of methane and light hydrocarbons in natural fluid emissions: A key study from Greece. <i>Chemical Geology</i> , 2018, 479, 286-301.	1.4	32
56	Morphological and geochemical features of crater lakes in Costa Rica: an overview. <i>Journal of Limnology</i> , 2009, 68, 193.	0.3	31
57	Biogeochemical processes involving dissolved CO <sub>2</sub> and CH <sub>4</sub> at Albano, Averno, and Monticchio meromictic volcanic lakes (Central-Southern Italy). <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	31
58	Diffuse soil emission of hydrothermal gases (CO <sub>2</sub> , CH <sub>4</sub> , and C <sub>6</sub> H <sub>6</sub> ) at Solfatara crater (Campi Flegrei, Italy). <i>Journal of Volcanology and Geothermal Energy</i> , 2014, 1, 1-14.	1.4	31
59	Gas emissions from five volcanoes in northern Chile and implications for the volatiles budget of the Central Volcanic Zone. <i>Geophysical Research Letters</i> , 2014, 41, 4961-4969.	1.5	31
60	Fluid geochemistry of a deep-seated geothermal resource in the Puna plateau (Jujuy Province, Argentina). <i>Journal of Volcanology and Geothermal Energy</i> , 2014, 1, 15-24.	0.8	31
61	The Tianjin geothermal field (north-eastern China): Water chemistry and possible reservoir permeability reduction phenomena. <i>Geothermics</i> , 2008, 37, 400-428.	1.5	29
62	Biotic and inorganic control on travertine deposition at Bullicame 3 spring (Viterbo, Italy): A multidisciplinary approach. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4441-4455.	1.6	29
63	Carbon-bearing gas geothermometers for volcanic-hydrothermal systems. <i>Chemical Geology</i> , 2013, 351, 66-75.	1.4	29
64	Carbon isotopic signature of interstitial soil gases reveals the potential role of ecosystems in mitigating geogenic greenhouse gas emissions: Case studies from hydrothermal systems in Italy. <i>Science of the Total Environment</i> , 2019, 655, 887-898.	3.9	29
65	Dissolved organic matter in a tropical saline-alkaline lake of the East African Rift Valley. <i>Water Research</i> , 2020, 173, 115532.	5.3	29
66	Submarine and Inland Gas Discharges from the Campi Flegrei (Southern Italy) and the Pozzuoli Bay: Geochemical Clues for a Common Hydrothermal-Magmatic Source. <i>Procedia Earth and Planetary Science</i> , 2011, 4, 57-73.	0.6	28
67	A new approach for the measurement of gaseous elemental mercury (GEM) and H <sub>2</sub> S in air from anthropogenic and natural sources: Examples from Mt. Amiata (Siena, Central Italy) and Solfatara Crater (Campi Flegrei, Southern Italy). <i>Journal of Geochemical Exploration</i> , 2017, 175, 48-58.	1.5	27
68	Preliminary conceptual model of the Cerro Blanco caldera-hosted geothermal system (Southern Italy). <i>Journal of Volcanology and Geothermal Energy</i> , 2019, 1, 1-10.	0.6	27
69	Deep gases discharged from mud volcanoes of Azerbaijan: New geochemical evidence. <i>Marine and Petroleum Geology</i> , 2013, 43, 450-463.	1.5	26
70	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.	3.7	26
71	High concentrations of dissolved biogenic methane associated with cyanobacterial blooms in East African lake surface water. <i>Communications Biology</i> , 2021, 4, 845.	2.0	26
72	Volcanic Lakes. <i>Advances in Volcanology</i> , 2015, , 1-20.	0.7	25

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73	Origin and Distribution of Thiophenes and Furans in Gas Discharges from Active Volcanoes and Geothermal Systems. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1434-1457.	1.8	24
74	Geogenic and atmospheric sources for volatile organic compounds in fumarolic emissions from Mt. Etna and Vulcano Island (Sicily, Italy). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
75	An overview of the structure, hazards, and methods of investigation of Nyos-type lakes from the geochemical perspective. <i>Journal of Limnology</i> , 2014, 73, .	0.3	24
76	Geochemistry, geothermics and relationship to active tectonics of Gujarat and Rajasthan thermal discharges, India. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 127, 19-32.	0.8	23
77	Hydrogeochemistry of the thermal waters from the Sciacca Geothermal Field (Sicily, southern Italy). <i>Journal of Hydrology</i> , 2011, 396, 292-301.	2.3	23
78	Biodegradation of CO <sub>2</sub> , CH <sub>4</sub> and volatile organic compounds (VOCs) in soil gas from the Vicano "Cimino hydrothermal system (central Italy). <i>Organic Geochemistry</i> , 2015, 86, 81-93.	0.9	23
79	New insights into the magmatic-hydrothermal system and volatile budget of Lastarria volcano, Chile: Integrated results from the 2014 IAVCEI CCGV 12th Volcanic Gas Workshop. , 2018, 14, 983-1007.		23
80	Structural architecture releasing deep-sourced carbon dioxide diffuse degassing at the Cavihue " Copahue Volcanic Complex. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 374, 131-141.	0.8	23
81	Sampling and analytical procedures for the determination of VOCs released into air from natural and anthropogenic sources: A comparison between SPME (Solid Phase Micro Extraction) and ST (Solid Tj ETQq1 1 0.784314 rgB174Overlo		
82	Hydrogeochemistry of surface and spring waters in the surroundings of the CO <sub>2</sub> injection site at Hontom "Huermece (Burgos, Spain). <i>International Journal of Greenhouse Gas Control</i> , 2013, 14, 151-168.	2.3	22
83	Dissolved nitrates in the groundwater of the Cecina Plain (Tuscany, Central-Western Italy): Clues from the isotopic signature of $\text{NO}_3^-$ . <i>Applied Geochemistry</i> , 2013, 34, 38-52.	1.4	21
84	Volatile organic compounds (VOCs) in air from Nisyros Island (Dodecanese Archipelago, Greece): Natural versus anthropogenic sources. <i>Environmental Pollution</i> , 2013, 180, 111-121.	3.7	20
85	Geothermal potential and origin of natural thermal fluids in the northern Lake Abaya area, Main Ethiopian Rift, East Africa. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 336, 1-18.	0.8	20
86	Authigenic minerals from the Paola Ridge (southern Tyrrhenian Sea): Evidences of episodic methane seepage. <i>Marine and Petroleum Geology</i> , 2017, 86, 228-247.	1.5	20
87	Scent of a myth: tectonics, geochemistry and geomythology at Delphi (Greece). <i>Journal of the Geological Society</i> , 2008, 165, 5-18.	0.9	19
88	Volcanological and petrological evolution of Barren Island (Andaman Sea, Indian Ocean). <i>Journal of Asian Earth Sciences</i> , 2009, 35, 469-487.	1.0	19
89	Geosphere-Biosphere Interactions in Bio-Activity Volcanic Lakes: Evidences from Hule and Río Cuarto (Costa Rica). <i>PLoS ONE</i> , 2014, 9, e102456.	1.1	19
90	Geochemical characterization of the ground waters from the former Hg-mining area of Abbazia San Salvatore (Mt. Amiata, central Italy): criticalities and perspectives for the reclamation process. <i>Italian Journal of Geosciences</i> , 2015, 134, 304-322.	0.4	19

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91	The hydrothermal system of the Domuyo volcanic complex (Argentina): A conceptual model based on new geochemical and isotopic evidences. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 328, 198-209.	0.8	19
92	The 2012–2016 eruptive cycle at Copahue volcano (Argentina) versus the peripheral gas manifestations: hints from the chemical and isotopic features of fumarolic fluids. <i>Bulletin of Volcanology</i> , 2017, 79, 1.	1.1	19
93	Microbiome profiling in extremely acidic soils affected by hydrothermal fluids: the case of the Solfatara Crater (Campi Flegrei, southern Italy). <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	19
94	A multi-instrumental geochemical approach to assess the environmental impact of CO <sub>2</sub> -rich gas emissions in a densely populated area: The case of Cava dei Selci (Latium, Italy). <i>Applied Geochemistry</i> , 2019, 101, 109-126.	1.4	19
95	Ground heating and methane oxidation processes at shallow depth in Terre Calde di Medolla (Italy): Observations and conceptual model. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 3048-3064.	1.4	18
96	Fumarole migration and fluid geochemistry at Poás Volcano (Costa Rica) from 1998 to 2001. <i>Geological Society Special Publication</i> , 2003, 213, 247-262.	0.8	17
97	A Geochemical Multi-Methodological Approach in Hazard Assessment of CO <sub>2</sub> -Rich Gas Emissions at Mt. Amiata Volcano (Tuscany, Central Italy). <i>Water, Air and Soil Pollution</i> , 2009, 9, 117-127.	0.8	17
98	A Comparative <sup>87</sup> Sr/ <sup>86</sup> Sr Study in Red and White Wines to Validate its Use as Geochemical Tracer for the Geographical Origin of Wine. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 169-172.	0.6	17
99	A combined geochemical and isotopic study of the fluids discharged from the Montecatini thermal system (NW Tuscany, Italy). <i>Applied Geochemistry</i> , 2015, 59, 33-46.	1.4	17
100	Diffuse soil gas emissions of gaseous elemental mercury (GEM) from hydrothermal-volcanic systems: An innovative approach by using the static closed-chamber method. <i>Applied Geochemistry</i> , 2016, 66, 234-241.	1.4	17
101	HCl degassing from extremely acidic crater lakes: preliminary results from experimental determinations and implications for geochemical monitoring. <i>Geological Society Special Publication</i> , 2017, 437, 97-106.	0.8	17
102	Gaseous Elemental Mercury and Total and Leached Mercury in Building Materials from the Former Hg-Mining Area of Abbadia San Salvatore (Central Italy). <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 425.	1.2	17
103	Holocene lacustrine fluctuations and deep CO <sub>2</sub> degassing in the northeastern Lake Langano Basin (Main Ethiopian Rift). <i>Journal of African Earth Sciences</i> , 2013, 77, 1-10.	0.9	16
104	Preliminary Data on the Structure and Potential of the Tocomar Geothermal Field (Puna Plateau, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.8	16
105	Geochemistry of fluid discharges from Peteroa volcano (Argentina-Chile) in 2010–2015: Insights into compositional changes related to the fluid source region(s). <i>Chemical Geology</i> , 2016, 432, 41-53.	1.4	16
106	The biogeochemical vertical structure renders a meromictic volcanic lake a trap for geogenic CO <sub>2</sub> (Lake Averno, Italy). <i>PLoS ONE</i> , 2018, 13, e0193914.	1.1	16
107	A new, rapid and reliable method for the determination of reduced sulphur (S <sup>2-</sup> ) species in natural water discharges. <i>Applied Geochemistry</i> , 2006, 21, 849-857.	1.4	15
108	Origin of fumarolic fluids from Tupungatito Volcano (Central Chile): interplay between magmatic, hydrothermal, and shallow meteoric sources. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	15

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109	Geochemistry of thermal fluids in NW Honduras: New perspectives for exploitation of geothermal areas in the southern Sula graben. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 280, 40-52.	0.8	15
110	Geochemical and isotopic evidences for a severe anthropogenic boron contamination: A case study from Castelluccio (Arezzo, central Italy). <i>Applied Geochemistry</i> , 2015, 63, 146-157.	1.4	15
111	Gases in Volcanic Lake Environments. <i>Advances in Volcanology</i> , 2015, , 125-153.	0.7	15
112	Mineral-assisted production of benzene under hydrothermal conditions: Insights from experimental studies on C 6 cyclic hydrocarbons. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 346, 21-27.	0.8	14
113	Geochemistry of hydrothermal fluids from the eastern sector of the Sabatini Volcanic District (central Italy). <i>Applied Geochemistry</i> , 2017, 84, 187-201.	1.4	14
114	Origin of fluids discharged from mud volcanoes in SE Iran. <i>Marine and Petroleum Geology</i> , 2019, 106, 190-205.	1.5	14
115	Geothermal prospecting by geochemical methods in the Quaternary volcanic province of Dhamar (central Yemen). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 249, 95-108.	0.8	13
116	Mechanisms regulating CO <sub>2</sub> and CH <sub>4</sub> dynamics in the Azorean volcanic lakes (São Miguel Island). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 249, 109-118.	0.8	13
117	Water and dissolved gas geochemistry at Coatepeque, Ilopango and Chanmico volcanic lakes (El Salvador). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 249, 119-128.	0.8	13
118	Geochemical monitoring of volcanic lakes. A generalized box model for active crater lakes. <i>Annals of Geophysics</i> , 2011, 54, .	0.5	13
119	The high pCO <sub>2</sub> Caprese Reservoir (Northern Apennines, Italy): Relationships between present- and paleo-fluid geochemistry and structural setting. <i>Chemical Geology</i> , 2013, 351, 40-56.	1.4	12
120	Geochemical constraints on volatile sources and subsurface conditions at Mount Martin, Mount Mageik, and Trident Volcanoes, Katmai Volcanic Cluster, Alaska. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 347, 64-81.	0.8	12
121	Gas discharges from four remote volcanoes in northern Chile (Putana, Olca, Irruputuncu and Alitar): a geochemical survey. <i>Annals of Geophysics</i> , 2011, 54, .	0.5	12
122	Experimental investigation of CO <sub>2</sub> -rich fluids production in a geothermal area: The Mt Amiata (Tuscany, Italy) case study. <i>Chemical Geology</i> , 2010, 274, 177-186.	1.4	11
123	Flux measurements of benzene and toluene from landfill cover soils. <i>Waste Management and Research</i> , 2011, 29, 50-58.	2.2	11
124	Preliminary assessment of the geothermal potential of Rosario de la Frontera area (Salta, NW) of South American Earth Sciences, 2014, 54, 20-36.	0.6	11
125	Hydrogen sulfide measurements in air by passive/diffusive samplers and high-frequency analyzer: A critical comparison. <i>Applied Geochemistry</i> , 2016, 72, 51-58.	1.4	11
126	Active hydrothermal fluids circulation triggering small-scale collapse events: the case of the 2001-2002 fissure in the Lakki Plain (Nisyros Island, Aegean Sea, Greece). <i>Natural Hazards</i> , 2018, 93, 601-626.	1.6	11



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127	Microbiomes in Soils Exposed to Naturally High Concentrations of CO <sub>2</sub> (Bossoleto Mofette Tuscany,) Tj ETQq1 1 0,784314 rgBT /Ove	1.5	11
128	Fluid geochemistry versus tectonic setting: the case study of Morocco. Geological Society Special Publication, 2006, 262, 131-145.	0.8	10
129	Fumarolic gases at Mombacho volcano (Nicaragua): presence of magmatic gas species and implications for volcanic surveillance. Bulletin of Volcanology, 2007, 69, 785-795.	1.1	10
130	Compositional spatial zonation and 2005–2013 temporal evolution of the hydrothermal-magmatic fluids from the submarine fumarolic field at Panarea Island (Aeolian Archipelago, southern Italy). Journal of Volcanology and Geothermal Research, 2014, 277, 41-50.	0.8	10
131	Geochemistry of gas and water discharge from the magmatic-hydrothermal system of Guallatiri volcano, northern Chile. Bulletin of Volcanology, 2020, 82, 1.	1.1	10
132	The origin of thermal waters from the eastern flank of the Dead Sea Rift Valley (western Jordan). Terra Nova, 2003, 15, 145-154.	0.9	9
133	Migration Processes of Metal Elements from Carbon Steel Cylinders to Food Gases. Packaging Technology and Science, 2014, 27, 787-797.	1.3	9
134	Bacterial Communities from Extreme Environments: Vulcano Island. Diversity, 2019, 11, 140.	0.7	9
135	Seasonal and diurnal variations of greenhouse gases in Florence (Italy): Inferring sources and sinks from carbon isotopic ratios. Science of the Total Environment, 2020, 698, 134245.	3.9	9
136	Chemical and isotopic features of Li-rich brines from the Salar de Olaroz, Central Andes of NW Argentina. Journal of South American Earth Sciences, 2020, 103, 102742.	0.6	9
137	Geochemistry of fluids discharged from mud volcanoes in SE Caspian Sea (Gorgan Plain, Iran). International Geology Review, 2021, 63, 437-452.	1.1	9
138	Unveiling the changes in urban atmospheric CO <sub>2</sub> in the time of COVID-19 pandemic: A case study of Florence (Italy). Science of the Total Environment, 2021, 795, 148877.	3.9	9
139	Soil CO <sub>2</sub> flux baseline in Planchón – Peteroa Volcanic Complex, Southern Andes, Argentina - Chile. Journal of South American Earth Sciences, 2021, 105, 102930.	0.6	8
140	Structural analysis and fluid geochemistry as tools to assess the potential of the Tocomar geothermal system, Central Puna (Argentina). Geothermics, 2022, 98, 102297.	1.5	8
141	New geochemical and isotopic insights to evaluate the geothermal resource of the hydrothermal system of Rosario de la Frontera (Salta, northern Argentina). Journal of Volcanology and Geothermal Research, 2015, 295, 16-25.	0.8	7
142	The Campo de Calatrava Volcanic Field (central Spain): Fluid geochemistry in a CO <sub>2</sub> -rich area. Applied Geochemistry, 2019, 102, 153-170.	1.4	7
143	Dissolved Organic Matter in Continental Hydro-Geothermal Systems: Insights from Two Hot Springs of the East African Rift Valley. Water (Switzerland), 2020, 12, 3512.	1.2	7
144	Flux measurements of gaseous elemental mercury (GEM) from the geothermal area of "Le Biancane" natural park (Monterotondo Marittimo, Grosseto, Italy): Biogeochemical processes controlling GEM emission. Journal of Geochemical Exploration, 2021, 228, 106824.	1.5	7

#	ARTICLE	IF	CITATIONS
145	Compositional changes in a fumarolic field, Vulcano Island, Italy: a statistical case study. Geological Society Special Publication, 2006, 264, 67-77.	0.8	6
146	Natural Fluctuation of Sulfur Species in Volcanic Fumaroles. Journal of Non-Equilibrium Thermodynamics, 2008, 33, 75-102.	2.4	6
147	Geochemical evolution of southern Red Sea and Yemen flood volcanism: evidence for mantle heterogeneity. Arabian Journal of Geosciences, 2014, 7, 4831-4850.	0.6	6
148	Degassing and Cycling of Mercury at Nisyros Volcano (Greece). Geofluids, 2019, 2019, 1-18.	0.3	6
149	Discontinuous Geochemical Monitoring of the Galleria Italia Circumneutral Waters (Former) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq0 0 0 rgBT /Overlock 10 Tj ETQq0 0 0	1.5	6
150	Geochemistry of Bazman thermal springs, southeast Iran. Journal of Volcanology and Geothermal Research, 2020, 390, 106676.	0.8	5
151	New insights into the degassing dynamics of Lago Albano (Colli Albani volcano, Rome, Italy) during the last three decades (1989-2019). Italian Journal of Geosciences, 2021, 140, 29-41.	0.4	5
152	Are Limnic Eruptions in the CO <sub>2</sub> -CH <sub>4</sub> -Rich Gas Reservoir of Lake Kivu (Democratic Republic of the Congo) Volcanology, 2015, , 489-505.	0.7	5
153	Hydrogeochemistry, circulation path and arsenic distribution in Tahlab aquifer, East of Taftan Volcano, SE Iran. Applied Geochemistry, 2020, 119, 104629.	1.4	5
154	Hydrogen-Rich Gas Produced by the Chemical Neutralization of Reactive By-Products from the Screening Processes of the Secondary Aluminum Industry. Sustainability, 2021, 13, 12261.	1.6	5
155	CO <sub>2</sub> biogeochemical investigation and microbial characterization of red wood ant mounds in a Southern Europe montane forest. Soil Biology and Biochemistry, 2022, 166, 108536.	4.2	5
156	Water and dissolved gas geochemistry of the monomictic Paterno sinkhole (central Italy). Journal of Limnology, 2012, 71, 27.	0.3	4
157	Hydrogeochemical processes controlling water and dissolved gas chemistry at the Accesa sinkhole (southern Tuscany, central Italy). Journal of Limnology, 2014, 73, .	0.3	4
158	The gas membrane sensor (GMS) method: a new analytical approach for real-time gas concentration measurements in volcanic lakes. Geological Society Special Publication, 2017, 437, 223-232.	0.8	4
159	Geochemical investigations of the geothermal systems from the Island of Sicily (southern Italy). Geothermics, 2021, 95, 102120.	1.5	4
160	Origin of the gases released from the Acqua Passante and Ermeta wells (Mt. Amiata, central Italy) and possible environmental implications for their closure. Annals of Geophysics, 2014, 57, .	0.5	4
161	Exploring Methane Emission Drivers in Wetlands: The Cases of Massaciuccoli and Porta Lakes (Northern Tuscany, Italy). Applied Sciences (Switzerland), 2021, 11, 12156.	1.3	4
162	Five years measurements of CO <sub>2</sub> and air concentrations by DSA IR laser devices. Results and perspectives for laser remote sensing systems of gas emissions by critical areas. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
163	Geochemistry of the Magmatic-Hydrothermal Fluid Reservoir of Copahue Volcano (Argentina): Insights from the Chemical and Isotopic Features of Fumarolic Discharges. <i>Active Volcanoes of the World</i> , 2016, , 119-139.	1.0	3
164	Risk Assessment and Mitigation at Copahue Volcano. <i>Active Volcanoes of the World</i> , 2016, , 239-254.	1.0	3
165	Contamination test of metal and non-metal elements from copper gas pipe to food gases. <i>Packaging Technology and Science</i> , 2018, 31, 151-156.	1.3	3
166	Application of CO <sub>2</sub> carbon stable isotope analysis to ant trophic ecology. <i>Entomologia Experimentalis Et Applicata</i> , 2020, 168, 940-947.	0.7	3
167	Carbon dioxide diffuse degassing as a tool for computing the thermal energy release at Cerro Blanco Geothermal System, Southern Puna (NW Argentina). <i>Journal of South American Earth Sciences</i> , 2021, 105, 102833.	0.6	3
168	Mantle vs. crustal fluid sources in the gas discharges from Lesser Caucasus and Talysh Mountains (Azerbaijan) in relation to the regional geotectonic setting. <i>Applied Geochemistry</i> , 2020, 118, 104643.	1.4	3
169	VOLATILE ORGANIC COMPOUNDS FROM GREEN WASTE ANAEROBIC DEGRADATION AT LAB-SCALE: EVOLUTION AND COMPARISON WITH LANDFILL GAS. <i>Detritus</i> , 2022, , 63-74.	0.4	3
170	The Geothermal Resource in the Guanacaste Region (Costa Rica): New Hints From the Geochemistry of Naturally Discharging Fluids. <i>Frontiers in Earth Science</i> , 2018, 6, .	0.8	2
171	The Last Eighteen Years (1998-2014) of Fumarolic Degassing at the Poás Volcano (Costa Rica) and Renewal Activity. <i>Active Volcanoes of the World</i> , 2019, , 235-260.	1.0	2
172	Insights into the Porretta Terme (northern Apennines, Italy) hydrothermal system revealed by geochemical data on presently discharging thermal waters and paleofluids. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1925-1948.	1.8	2
173	Geochemical features of hydrothermal systems in Jujuy Province, Argentina: Hints for geothermal fluid exploration. <i>Journal of South American Earth Sciences</i> , 2020, 101, 102627.	0.6	2
174	Boron pollution in the shallow groundwater system from Isola di Castelluccio (central-eastern, Italy) recently-installed hydraulic barrier and hydrogeological modelling. <i>Italian Journal of Geosciences</i> , 2021, 140, 121-140.	0.4	2
175	Trace elements mobility in soils from the hydrothermal area of Nisyros (Greece). <i>Annals of Geophysics</i> , 2015, 57, .	0.5	2
176	Chemical alteration and mineral growth under high p CO <sub>2</sub> conditions: Insights from the mineral chemistry of carbonate phases in the Caprese Reservoir (Northern Apennines, central Italy). <i>Chemical Geology</i> , 2017, 450, 81-95.	1.4	1
177	Total CO <sub>2</sub> output and carbon origin discharged from Rincón de Parangueo Maar (Mexico). <i>Journal of Geochemical Exploration</i> , 2020, 215, 106558.	1.5	1
178	Geochemical survey of the Colpitas-Taapaca volcanic-hydrothermal system, northern Chile. <i>Italian Journal of Geosciences</i> , 2020, 139, 359-373.	0.4	1
179	Short term validated geochemical model of CO <sub>2</sub> sequestration. <i>Diqiu Huaxue</i> , 2006, 25, 277-277.	0.5	0
180	The acidic waters in Italy: a brief overview. <i>Acque Sotterranee - Italian Journal of Groundwater</i> , 2018, , .	0.2	0

#	ARTICLE	IF	CITATIONS
181	New and interesting records of jewel and longhorn beetles from Abruzzo, Lazio and Molise National Park, Italy (Coleoptera: Buprestidae and Cerambycidae). <i>Fragmenta Entomologica</i> , 2020, 52, 63-66.	0.4	0
182	Major, trace element, and Sr isotope geochemistry of surface and ground waters in the Chiavenna Valley (Sondrio, Northern Italy). <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 30, 62-65.	0.3	0
183	Annex 2 to: Trace elements mobility in soils from the hydrothermal area of Nisyros (Greece). <i>Annals of Geophysics</i> , 2015, 57, .	0.5	0
184	Annex 3 to: Trace elements mobility in soils from the hydrothermal area of Nisyros (Greece). <i>Annals of Geophysics</i> , 2015, 57, .	0.5	0
185	Annex 1 to: Trace elements mobility in soils from the hydrothermal area of Nisyros (Greece). <i>Annals of Geophysics</i> , 2015, 57, .	0.5	0
186	PM10: a potential source of secondary raw materials. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 46, 181-186.	0.3	0