

# Salvatore Inguaggiato

## List of Publications by Year in descending order

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104  
papers

3,790  
citations

101543

36  
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149698

56  
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106  
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106  
docs citations

106  
times ranked

2726  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the Pre-Eruptive States of Active Volcanoes for Improving Eruption Forecasting. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	15
2	The Extensive Parameters as a Tool to Monitoring the Volcanic Activity: The Case Study of Vulcano Island (Italy). <i>Remote Sensing</i> , 2022, 14, 1283.	4.0	23
3	Hydrogeological and Geochemical Characteristics of the Coastal Aquifer of Stromboli Volcanic Island (Italy). <i>Water (Switzerland)</i> , 2021, 13, 417.	2.7	4
4	Synoptic analysis of a decade of daily measurements of SO <sub>2</sub> emission in the troposphere from volcanoes of the global ground-based Network for Observation of Volcanic and Atmospheric Change. <i>Earth System Science Data</i> , 2021, 13, 1167-1188.	9.9	31
5	The Monitoring of CO <sub>2</sub> Soil Degassing as Indicator of Increasing Volcanic Activity: The Paroxysmal Activity at Stromboli Volcano in 2019–2021. <i>Geosciences (Switzerland)</i> , 2021, 11, 169.	2.2	10
6	Response of a hydrothermal system to escalating phreatic unrest: the case of Turrialba and Irazu <sup>e</sup> in Costa Rica (2007–2012). <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	8
7	Deciphering origins and pathways of low-enthalpy geothermal waters in the unconventional geothermal system of Juchipila graben (Central Mexico). <i>Geothermics</i> , 2021, 94, 102076.	3.4	10
8	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
9	Changes in CO <sub>2</sub> Soil Degassing Style as a Possible Precursor to Volcanic Activity: The 2019 Case of Stromboli Paroxysmal Eruptions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4757.	2.5	14
10	Integration of Ground-Based Remote-Sensing and In Situ Multidisciplinary Monitoring Data to Analyze the Eruptive Activity of Stromboli Volcano in 2017–2018. <i>Remote Sensing</i> , 2019, 11, 1813.	4.0	25
11	Increasing Summit Degassing at the Stromboli Volcano and Relationships with Volcanic Activity (2016–2018). <i>Geosciences (Switzerland)</i> , 2019, 9, 176.	2.2	14
12	Characterization of a UV camera system for SO <sub>2</sub> measurements from Popocatepetl Volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 370, 82-94.	2.1	12
13	Volcano-hydrothermal system and activity of Sirung volcano (Pantar Island, Indonesia). <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 186-199.	2.1	4
14	The Arjuno-Welirang volcanic complex and the connected Lusi system: Geochemical evidences. <i>Marine and Petroleum Geology</i> , 2018, 90, 67-76.	3.3	13
15	Radon and carbon gas anomalies along the Watukosek Fault System and Lusi mud eruption, Indonesia. <i>Marine and Petroleum Geology</i> , 2018, 90, 77-90.	3.3	32
16	Review of the evolution of geochemical monitoring, networks and methodologies applied to the volcanoes of the Aeolian Arc (Italy). <i>Earth-Science Reviews</i> , 2018, 176, 241-276.	9.1	43
17	Zr, Hf and REE distribution in river water under different ionic strength conditions. <i>Science of the Total Environment</i> , 2018, 645, 837-853.	8.0	21
18	Gas Emissions From Volcanoes of the Kuril Island Arc (NW Pacific): Geochemistry and Fluxes. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1859-1880.	2.5	30

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19	Dynamic fluid recycling at Laguna Caliente (Poás, Costa Rica) before and during the 2006–ongoing phreatic eruption cycle (2005–10). Geological Society Special Publication, 2017, 437, 73-96.	1.3	26
20	Stromboli volcanic activity variations inferred from observations of fluid geochemistry: 16 years of continuous monitoring of soil CO <sub>2</sub> fluxes (2000–2015). Chemical Geology, 2017, 469, 69-84.	3.3	20
21	Vapour discharges on Nevado del Ruiz during the recent activity: Clues on the composition of the deep hydrothermal system and its effects on thermal springs. Journal of Volcanology and Geothermal Research, 2017, 346, 40-53.	2.1	10
22	Hydrothermal system and acid lakes of Golovnin caldera, Kunashir, Kuril Islands: Geochemistry, solute fluxes and heat output. Journal of Volcanology and Geothermal Research, 2017, 346, 10-20.	2.1	10
23	Hydrothermal systems of the Karymsky Volcanic Centre, Kamchatka: Geochemistry, time evolution and solute fluxes. Journal of Volcanology and Geothermal Research, 2017, 346, 28-39.	2.1	4
24	The hydrothermal system of Cerro Machín volcano (Colombia): New magmatic signals observed during 2011–2013. Chemical Geology, 2017, 469, 60-68.	3.3	13
25	The CO <sub>2</sub> flux from hydrothermal systems of the Karymsky volcanic Centre, Kamchatka. Journal of Volcanology and Geothermal Research, 2017, 346, 1-9.	2.1	21
26	Volcanogenic SO <sub>2</sub> , a natural pollutant: Measurements, modeling and hazard assessment at Vulcano Island (Aeolian Archipelago, Italy). Environmental Pollution, 2017, 231, 219-228.	7.5	16
27	Heat flux-based strategies for the thermal monitoring of sub-fumarolic areas: Examples from Vulcano and La Soufrière de Guadeloupe. Journal of Volcanology and Geothermal Research, 2017, 343, 122-134.	2.1	8
28	Volatiles and energy released by Puracão volcano. Bulletin of Volcanology, 2017, 79, 1.	3.0	10
29	The hydrothermal system of Mendeleev Volcano, Kunashir Island, Kuril Islands: The geochemistry and the transport of magmatic components. Journal of Volcanology and Seismology, 2017, 11, 335-352.	0.7	13
30	Carbon dioxide emissions from Specchio di Venere, Pantelleria, Italy. Bulletin of Volcanology, 2016, 78, 1.	3.0	8
31	Geochemistry of volcanic gas at the 2012–13 New Tolbachik eruption, Kamchatka. Journal of Volcanology and Geothermal Research, 2016, 323, 186-193.	2.1	20
32	CO <sub>2</sub> flux and chemistry of El Chichón crater lake (Mexico) in the period 2013–2015: Evidence for the enhanced volcano activity. Geophysical Research Letters, 2016, 43, 127-134.	4.0	26
33	Meteoric isotopic gradient on the windward side of the Sierra Madre Oriental area, Veracruz – Mexico. Geofísica Internacional, 2015, 54, 267-276.	0.2	15
34	The 2014 effusive eruption at Stromboli volcano (Italy): Inferences from soil CO <sub>2</sub> flux and <sup>3</sup> He/ <sup>4</sup> He ratio in thermal waters. Geophysical Research Letters, 2015, 42, 2235-2243.	4.0	42
35	Possible Micrometeorological Anomalies Induced by Volcanic Activity Recorded at Stromboli Island (Aeolian Archipelago, Italy). Advances in Meteorology, 2015, 2015, 1-7.	1.6	1
36	Fluid Geochemistry of Tacaná Volcano-Hydrothermal System. Active Volcanoes of the World, 2015, 139-154.	1.4	3

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37	The Other Side of the Coin: Geochemistry of Alkaline Lakes in Volcanic Areas. <i>Advances in Volcanology</i> , 2015, , 219-237.	1.1	38
38	CO <sub>2</sub> discharge from the bottom of volcanic Lake Rotomahana, New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 577-588.	2.5	48
39	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
40	Development of a portable active long-path differential optical absorption spectroscopy system for volcanic gas measurements. <i>Journal of Sensors and Sensor Systems</i> , 2014, 3, 355-367.	0.9	12
41	Gas Flux Rate and Migration of the Magma Column. <i>Geophysical Monograph Series</i> , 2013, , 259-267.	0.1	2
42	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
43	Geochemistry of thermal springs and geodynamics of the convergent Mexican Pacific margin. <i>Chemical Geology</i> , 2013, 339, 251-262.	3.3	21
44	CO <sub>2</sub> output discharged from Stromboli Island (Italy). <i>Chemical Geology</i> , 2013, 339, 52-60.	3.3	33
45	Posteruption chemical evolution of a volcanic caldera lake: Karymsky Lake, Kamchatka. <i>Geophysical Research Letters</i> , 2013, 40, 5142-5146.	4.0	13
46	Long-time variation of soil CO <sub>2</sub> fluxes at the summit crater of Vulcano (Italy). <i>Bulletin of Volcanology</i> , 2012, 74, 1859-1863.	3.0	29
47	Total CO <sub>2</sub> output from Vulcano island (Aeolian Islands, Italy). <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	75
48	Continuous SO <sub>2</sub> flux measurements for Vulcano Island, Italy. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	9
49	Geochemical evidence for and characterization of CO <sub>2</sub> rich gas sources in the epicentral area of the Abruzzo 2009 earthquakes. <i>Earth and Planetary Science Letters</i> , 2011, 304, 389-398.	4.4	99
50	Helium isotopes in gases of Mineral Waters in the western Caucasus. <i>Lithology and Mineral Resources</i> , 2011, 46, 495-506.	0.6	2
51	Geochemical evidence of the renewal of volcanic activity inferred from CO <sub>2</sub> soil and SO <sub>2</sub> plume fluxes: the 2007 Stromboli eruption (Italy). <i>Bulletin of Volcanology</i> , 2011, 73, 443-456.	3.0	65
52	CO <sub>2</sub> and He degassing at El Chichón volcano, Chiapas, Mexico: gas flux, origin and relationship with local and regional tectonics. <i>Bulletin of Volcanology</i> , 2011, 73, 423-441.	3.0	81
53	Geochemistry of volcanic fluids. <i>Bulletin of Volcanology</i> , 2011, 73, 369-371.	3.0	3
54	Dissolved CO <sub>2</sub> in natural waters: development of an automated monitoring system and first application to Stromboli volcano (Italy). <i>Annals of Geophysics</i> , 2011, 54, .	1.0	4

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55	Monitoring active volcanoes: The geochemical approach. <i>Annals of Geophysics</i> , 2011, 54, .	1.0	2
56	Geochemistry of H <sub>2</sub> and CH <sub>4</sub> -enriched hydrothermal fluids of Socorro Island, Revillagigedo Archipelago, Mexico. Evidence for serpentinization and abiogenic methane. <i>Geofluids</i> , 2010, 10, 542-555.	0.7	62
57	Geochemical and isotopic characterization of volcanic and geothermal fluids discharged from the Ecuadorian volcanic arc. <i>Geofluids</i> , 2010, 10, 525-541.	0.7	25
58	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
59	Chemical and isotopic compositions of thermal springs, fumaroles and bubbling gases at Tacaná Volcano (Mexico-Guatemala): implications for volcanic surveillance. <i>Bulletin of Volcanology</i> , 2009, 71, 319-335.	3.0	31
60	Imaging DOAS for volcanological applications. <i>Bulletin of Volcanology</i> , 2009, 71, 753-765.	3.0	56
61	Chemical evolution of thermal waters and changes in the hydrothermal system of Papandayan volcano (West Java, Indonesia) after the November 2002 eruption. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 276-286.	2.1	23
62	Hydrochemical dynamics of the "lake-spring" system in the crater of El Chichón volcano (Chiapas, Mexico). <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 224-236.	2.1	54
63	Major and trace element geochemistry of neutral and acidic thermal springs at El Chichón volcano, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 224-236.	2.1	73
64	Reactive halogen chemistry in volcanic plumes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	144
65	Contemporary total dissolved gas pressure and soil temperature anomalies recorded at Stromboli volcano (Italy). <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	12
66	Sources, size distribution, and downwind grounding of aerosols from Mount Etna. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	41
67	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
68	Mineral control of arsenic content in thermal waters from volcano-hosted hydrothermal systems: Insights from island of Ischia and Phlegrean Fields (Campanian Volcanic Province, Italy). <i>Chemical Geology</i> , 2006, 229, 313-330.	3.3	121
69	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
70	Isotopic, chemical and dissolved gas constraints on spring water from Popocatepetl volcano (Mexico): evidence of gas-water interaction between magmatic component and shallow fluids. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 141, 91-108.	2.1	50
71	Geochemical monitoring of the 2002-2003 eruption at Stromboli volcano (Italy): precursory changes in the carbon and helium isotopic composition of fumarole gases and thermal waters. <i>Bulletin of Volcanology</i> , 2005, 68, 118-134.	3.0	71
72	H <sub>2</sub> S fluxes from Mt. Etna, Stromboli, and Vulcano (Italy) and implications for the sulfur budget at volcanoes. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1861-1871.	3.9	139

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73	Accurate measurement of volcanic SO <sub>2</sub> flux: Determination of plume transport speed and integrated SO <sub>2</sub> concentration with a single device. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	2.5	30
74	Emission of bromine and iodine from Mount Etna volcano. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	116
75	Total CO <sub>2</sub> output from Ischia Island volcano (Italy). <i>Geochemical Journal</i> , 2005, 39, 451-458.	1.0	36
76	Intercomparison of volcanic gas monitoring methodologies performed on Vulcano Island, Italy. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	29
77	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
78	The 2002-2003 eruption of Stromboli (Italy): Evaluation of the volcanic activity by means of continuous monitoring of soil temperature, CO <sub>2</sub> flux, and meteorological parameters. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	53
79	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
80	Geochemical precursors of the activity of an open-conduit volcano: The Stromboli 2002-2003 eruptive events. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	100
81	Dissolved helium isotope ratios in ground-waters: a new technique based on gas-water re-equilibration and its application to Stromboli volcanic system. <i>Applied Geochemistry</i> , 2004, 19, 665-673.	3.0	90
82	Reply to the comment by R.M. Prol-Ledesma on "Geochemistry of fluids from submarine thermal springs at Punta de Mita, Nayarit, Mexico". <i>Journal of Volcanology and Geothermal Research</i> , 2003, 121, 319-322.	2.1	0
83	Energetics of chemolithoautotrophy in the hydrothermal system of Vulcano Island, southern Italy. <i>Geobiology</i> , 2003, 1, 37-58.	2.4	105
84	Real-time measurement of volcanic H <sub>2</sub> S and SO <sub>2</sub> concentrations by UV spectroscopy. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	79
85	Influence of volcanic activity on spring water chemistry at Popocatepetl Volcano, Mexico. <i>Chemical Geology</i> , 2002, 190, 207-229.	3.3	32
86	Geochemistry of fluids from submarine hot springs at Punta de Mita, Nayarit, Mexico. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 115, 329-338.	2.1	12
87	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
88	Preliminary estimate of CO <sub>2</sub> output from Pantelleria Island volcano (Sicily, Italy): evidence of active mantle degassing. <i>Applied Geochemistry</i> , 2001, 16, 883-894.	3.0	54
89	Interaction between the deep fluids and the shallow groundwaters on Vulcano island (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2001, 108, 187-198.	2.1	54
90	Interaction between fumarolic gases and thermal groundwaters at Vulcano Island (Italy): evidences from chemical composition of dissolved gases in waters. <i>Journal of Volcanology and Geothermal Research</i> , 2000, 102, 309-318.	2.1	25

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91	Chemical and isotopic characterisation of fluid manifestations of Ischia Island (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2000, 99, 151-178.	2.1	108
92	Chemical and isotopic variations in fumarolic discharge and thermal waters at Vulcano Island (Aeolian Islands, Italy) during 1996: evidence of resumed volcanic activity. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 88, 167-175.	2.1	87
93	Submarine Hydrothermal Vents of the Aeolian Islands: Relationship Between Microbial Communities and Thermal Fluids. <i>Geomicrobiology Journal</i> , 1999, 16, 105-117.	2.0	31
94	Soil and fumarole gases of Mount Etna: geochemistry and relations with volcanic activity. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 81, 297-310.	2.1	79
95	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
96	A simple method for the determination of dissolved gases in natural waters. An application to thermal waters from Vulcano Island.. <i>Applied Geochemistry</i> , 1998, 13, 631-642.	3.0	171
97	Chemical features and isotopic composition of gaseous manifestations on Vulcano Island, Aeolian Islands, Italy: An interpretative model of fluid circulation. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3425-3440.	3.9	120
98	Fluid Geochemistry of Stromboli. <i>Geophysical Monograph Series</i> , 0, , 49-63.	0.1	3
99	Crater Gas Emissions and the Magma Feeding System of Stromboli Volcano. <i>Geophysical Monograph Series</i> , 0, , 65-80.	0.1	16
100	Volcanic and Seismic Activity at Stromboli Preceding the 2002-2003 Flank Eruption. <i>Geophysical Monograph Series</i> , 0, , 93-104.	0.1	7
101	Geochemical Prediction of the 2002-2003 Stromboli Eruption from Variations in CO <sub>2</sub> and Rn Emissions and in Helium and Carbon Isotopes. <i>Geophysical Monograph Series</i> , 0, , 117-128.	0.1	1
102	Variations of Soil Temperature, CO <sub>2</sub> Flux, and Meteorological Parameters. <i>Geophysical Monograph Series</i> , 0, , 269-277.	0.1	2
103	The 5 April 2003 Explosion of Stromboli: Timing of Eruption Dynamics Using Thermal Data. <i>Geophysical Monograph Series</i> , 0, , 305-316.	0.1	14
104	Scientific Community and Civil Protection Synergy During the Stromboli 2002-2003 Eruption. <i>Geophysical Monograph Series</i> , 0, , 387-397.	0.1	6