

Magali Bonifacie

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,270
citations

236925

25
h-index

214800

47
g-index

56
all docs

56
docs citations

56
times ranked

1869
citing authors

#	ARTICLE	IF	CITATIONS
1	High-precision apatite $\delta^{37}\text{Cl}$ measurement by SIMS with a 1012 I^{\oplus} amplifier Faraday cup. Journal of Analytical Atomic Spectrometry, 2022, 37, 222-228.	3.0	1
2	Gas Monitoring of Volcanic-Hydrothermal Plumes in a Tropical Environment: The Case of La Soufrière de Guadeloupe Unrest Volcano (Lesser Antilles). Frontiers in Earth Science, 2022, 10, .	1.8	12
3	Decoding water-rock interaction and volatile input at La Soufriere volcano (Guadeloupe) using time-series major and trace element analyses in gas condensates. Journal of Volcanology and Geothermal Research, 2022, 425, 107517.	2.1	5
4	Development towards stable chlorine isotope measurements of astromaterials using the modified Middleton source of an accelerator mass spectrometer. International Journal of Mass Spectrometry, 2022, 477, 116849.	1.5	1
5	Cl isotope fractionation in magmatic and hydrothermal eudialyte, sodalite and tugtupite (Ilímaussaq) Tj ETQq1 1 0,784314 rgBT / Overlo	3.3	2
6	Monitoring Hydrothermal Activity Using Major and Trace Elements in Low-Temperature Fumarolic Condensates: The Case of La Soufriere de Guadeloupe Volcano. Geosciences (Switzerland), 2022, 12, 267.	2.2	6
7	Interlaboratory Characterisation of Apatite Reference Materials for Chlorine Isotope Analysis. Geostandards and Geoanalytical Research, 2021, 45, 121-142.	3.1	15
8	A multi-decadal view of the heat and mass budget of a volcano in unrest: La Soufrière de Guadeloupe (French West Indies). Bulletin of Volcanology, 2021, 83, 1.	3.0	20
9	A Unified Clumped Isotope Thermometer Calibration ($0.5 \pm 1,100^\circ\text{C}$) Using Carbonate-Based Standardization. Geophysical Research Letters, 2021, 48, e2020GL092069.	4.0	116
10	Chlorine isotope data of chlorides challenge the pore fluid paradigm. Geochimica Et Cosmochimica Acta, 2021, 300, 258-278.	3.9	12
11	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009588.	2.5	110
12	Past hot fluid flows in limestones detected by $\delta^{47}\text{Ar}$ (U-Pb) and not recorded by other geothermometers. Geology, 2020, 48, 851-856.	4.4	19
13	Oxygen isotope composition of waters recorded in carbonates in strong clumped and oxygen isotopic disequilibrium. Biogeosciences, 2020, 17, 1731-1744.	3.3	12
14	Towards the use of the coccolith vital effects in palaeoceanography: A field investigation during the middle Miocene in the SW Pacific Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 160, 103262.	1.4	3
15	The 2018 unrest phase at La Soufrière de Guadeloupe (French West Indies) andesitic volcano: Scrutiny of a failed but prodromal phreatic eruption. Journal of Volcanology and Geothermal Research, 2020, 393, 106769.	2.1	45
16	Intercomparison of geochemical techniques at La Soufrière de Guadeloupe (FWI) volcano: their advantages and their limits over a long-standing unrest. Italian Journal of Geosciences, 2020, 139, 398-412.	0.8	10
17	The chlorine isotopic composition of the Moon: Insights from melt inclusions. Earth and Planetary Science Letters, 2019, 523, 115715.	4.4	24
18	A re-assessment of the nitrogen geochemical behavior in upper oceanic crust from Hole 504B: Implications for subduction budget in Central America. Earth and Planetary Science Letters, 2019, 525, 115735.	4.4	23

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19	The bromine and chlorine isotope composition of primary halite deposits and their significance for the secular isotope composition of seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 13-29.	3.9	22
20	Strong impact of ion filtration on the isotopic composition of chlorine in young clay-rich oceanic sediment pore fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 525-541.	3.9	20
21	Isotopic Characterization (² H, ¹³ C, ³⁷ Cl, ⁸¹ Br) of Abiotic Degradation of Methyl Bromide and Methyl Chloride in Water and Implications for Future Studies. <i>Environmental Science & Technology</i> , 2019, 53, 8813-8822.	10.0	16
22	Effects of Improved ¹⁷ O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineral-Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3495-3519.	2.5	134
23	Spatio-Temporal Relationships between Fumarolic Activity, Hydrothermal Fluid Circulation and Geophysical Signals at an Arc Volcano in Degassing Unrest: La Soufrière de Guadeloupe (French West Indies). <i>Journal of Volcanology and Geothermal Research</i> , 2019, 378, 1-14.	0.2	1
24	Thermal and exhumation histories of the northern subalpine chains (Bauges and Bornes, France): Evidence from forward thermal modeling coupling clay mineral diagenesis, organic maturity and carbonate clumped isotope (¹⁸ O/ ¹⁶ O) data. <i>Basin Research</i> , 2019, 31, 361-379.	2.7	16
25	Oxygen isotope analysis of the eyes of pelagic trilobites: Testing the application of sea temperature proxies for the Ordovician. <i>Gondwana Research</i> , 2018, 57, 157-169.	6.0	9
26	Improving paleohydrological and diagenetic reconstructions in calcite veins and breccia of a sedimentary basin by combining ⁴⁷ Ar/ ³⁹ Ar temperature, ¹⁸ O/ ¹⁶ O water and U-Pb age. <i>Chemical Geology</i> , 2018, 481, 1-17.	3.3	52
27	A Newly Designed Analytical Line to Examine Fluid Inclusion Isotopic Compositions in a Variety of Carbonate Samples. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1107-1122.	2.5	14
28	Basin-scale thermal and fluid flow histories revealed by carbonate clumped isotopes (¹⁸ O/ ¹⁶ O) in Middle Jurassic carbonates of the Paris Basin depocentre. <i>Sedimentology</i> , 2018, 65, 123-150.	3.1	46
29	An emerging thermochronometer for carbonate-bearing rocks: ⁴⁷ Ar/(U-Pb). <i>Geology</i> , 2018, 46, 1067-1070.	4.4	60
30	Understanding Fluid Flow during Tectonic Reactivation: An Example from the Flamborough Head Chalk Outcrop (UK). <i>Geofluids</i> , 2018, 2018, 1-17.	0.7	12
31	Chlorine Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 244-248.	0.1	3
32	Laboratory-grown coccoliths exhibit no vital effect in clumped isotope (¹⁸ O/ ¹⁶ O) composition on a range of geologically relevant temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 335-353.	3.9	36
33	SIMS chlorine isotope analyses in melt inclusions from arc settings. <i>Chemical Geology</i> , 2017, 449, 112-122.	3.3	25
34	Carbon, Hydrogen and Chlorine Stable Isotope Fingerprinting for Forensic Investigations of Hexachlorocyclohexanes. <i>Environmental Science & Technology</i> , 2017, 51, 446-454.	10.0	27
35	Coupling ⁴⁷ Ar and fluid inclusion thermometry on carbonate cements to precisely reconstruct the temperature, salinity and ¹⁸ O/ ¹⁶ O of paleo-groundwater in sedimentary basins. <i>Chemical Geology</i> , 2017, 472, 44-57.	3.3	37
36	Calibration of the dolomite clumped isotope thermometer from 25 to 350 °C, and implications for a universal calibration for all (Ca, Mg, Fe)CO ₃ carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 255-279.	3.9	172

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37	Experimental determination of stable chlorine and bromine isotope fractionation during precipitation of salt from a saturated solution. <i>Chemical Geology</i> , 2016, 433, 46-56.	3.3	44
38	An explanation for the ^{18}O excess in Noelaerhabdaceae coccolith calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 132-142.	3.9	14
39	Determination of Bromine Stable Isotope Ratios from Saline Solutions by $^{\infty}\text{Wet Plasma}^{\infty}\text{MC-ICPMS}$ Including a Comparison between High- and Low-Resolution Modes, and Three Introduction Systems. <i>Analytical Chemistry</i> , 2016, 88, 3891-3898.	6.5	19
40	Chlorine Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-5.	0.1	0
41	Improvement of analytical method for chlorine dual $^{\infty}\text{inlet}$ isotope ratio mass spectrometry of organochlorines. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1343-1350.	1.5	10
42	Pre-concentration of chloride in dilute water-samples for precise ^{37}Cl determination using a strong ion-exchange resin: Application to rainwaters. <i>Chemical Geology</i> , 2015, 413, 86-93.	3.3	5
43	Chlorine isotopes of thermal springs in arc volcanoes for tracing shallow magmatic activity. <i>Earth and Planetary Science Letters</i> , 2015, 413, 101-110.	4.4	39
44	Evolution of Neoproterozoic Wonoka $^{\infty}$ Shuram Anomaly-aged carbonates: Evidence from clumped isotope paleothermometry. <i>Precambrian Research</i> , 2015, 264, 179-191.	2.7	32
45	Challenging the sensitivity limits of Paleomagnetism: Magnetostratigraphy of weakly magnetized Guadalupian $^{\infty}$ Lopingian (Permian) Limestone from Kyushu, Japan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 75-89.	2.3	29
46	A hydrothermal origin for isotopically anomalous cap dolostone cements from south China. <i>Nature</i> , 2011, 474, 68-71.	27.8	128
47	Methods and limitations of $^{\infty}\text{clumped}^{\infty}\text{CO}_2$ isotope (^{47}C) analysis by gas $^{\infty}\text{source}$ isotope ratio mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1318-1329.	1.6	371
48	Chlorine isotopic composition in seafloor serpentinites and high-pressure metaperidotites. Insights into oceanic serpentinization and subduction processes. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 126-139.	3.9	97
49	The Chlorine Isotope Composition of Earth's Mantle. <i>Science</i> , 2008, 319, 1518-1520.	12.6	102
50	Chlorine stable isotopic composition of basement fluids of the eastern flank of the Juan de Fuca Ridge (ODP Leg 168). <i>Earth and Planetary Science Letters</i> , 2007, 260, 10-22.	4.4	41
51	Pyrohydrolysis-IRMS determination of silicate chlorine stable isotope compositions. Application to oceanic crust and meteorite samples. <i>Chemical Geology</i> , 2007, 242, 187-201.	3.3	59
52	Chlorine isotopic compositions of high temperature hydrothermal vent fluids over ridge axes. <i>Chemical Geology</i> , 2005, 221, 279-288.	3.3	45
53	Nitrogen content and isotopic composition of oceanic crust at a superfast spreading ridge: A profile in altered basalts from ODP Site 1256, Leg 206. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	55
54	The gravitas of gravitational isotope fractionation revealed in an isolated aquifer. <i>Geochemical Perspectives Letters</i> , 0, , 53-58.	5.0	10