

# Magali Bonifacie

## List of Publications by Year in descending order

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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	Methods and limitations of $\delta^{17}\text{O}$ clumped $\text{CO}_2$ isotope ( $\delta^{17}\text{O}$ ) analysis by gas-source isotope ratio mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1318-1329.	1.6	371
2	Calibration of the dolomite clumped isotope thermometer from 25 to 350 $^{\circ}\text{C}$ , and implications for a universal calibration for all (Ca, Mg, Fe) $\text{CO}_3$ carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 255-279.	3.9	172
3	Effects of Improved $^{17}\text{O}$ 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
4	A hydrothermal origin for isotopically anomalous cap dolostone cements from south China. <i>Nature</i> , 2011, 474, 68-71.	27.8	128
5	A Unified Clumped Isotope Thermometer Calibration (0.5–1,100 $^{\circ}\text{C}$ ) Using Carbonate-Based Standardization. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092069.	4.0	116
6	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009588.	2.5	110
7	The Chlorine Isotope Composition of Earth's Mantle. <i>Science</i> , 2008, 319, 1518-1520.	12.6	102
8	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
9	An emerging thermochronometer for carbonate-bearing rocks: $\delta^{47}\text{Cl}/(\text{U-Pb})$ . <i>Geology</i> , 2018, 46, 1067-1070.	4.4	60
10	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
11	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
12	Improving paleohydrological and diagenetic reconstructions in calcite veins and breccia of a sedimentary basin by combining $\delta^{17}\text{O}$ temperature, $\delta^{18}\text{O}$ water and U-Pb age. <i>Chemical Geology</i> , 2018, 481, 1-17.	3.3	52
13	Basin-scale thermal and fluid flow histories revealed by carbonate clumped isotopes ( $\delta^{17}\text{O}$ ) in Middle Jurassic carbonates of the Paris Basin depocentre. <i>Sedimentology</i> , 2018, 65, 123-150.	3.1	46
14	Chlorine isotopic compositions of high temperature hydrothermal vent fluids over ridge axes. <i>Chemical Geology</i> , 2005, 221, 279-288.	3.3	45
15	The 2018 unrest phase at La Soufrière of Guadeloupe (French West Indies) andesitic volcano: Scrutiny of a failed but prodromal phreatic eruption. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 393, 106769.	2.1	45
16	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
17	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
18	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

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19	Coupling $\delta^{47}$ and fluid inclusion thermometry on carbonate cements to precisely reconstruct the temperature, salinity and $\delta^{18}\text{O}$ of paleo-groundwater in sedimentary basins. <i>Chemical Geology</i> , 2017, 472, 44-57.	3.3	37
20	Laboratory-grown coccoliths exhibit no vital effect in clumped isotope ( $\delta^{47}$ ) composition on a range of geologically relevant temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 335-353.	3.9	36
21	Evolution of Neoproterozoic Wonoka "Shuram Anomaly-aged carbonates: Evidence from clumped isotope paleothermometry. <i>Precambrian Research</i> , 2015, 264, 179-191.	2.7	32
22	Challenging the sensitivity limits of Paleomagnetism: Magnetostratigraphy of weakly magnetized Guadalupian "Lopingian (Permian) Limestone from Kyushu, Japan. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 75-89.	2.3	29
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 Energy</i> , 2019, 10, 28431428.	0.7	1
24	Carbon, Hydrogen and Chlorine Stable Isotope Fingerprinting for Forensic Investigations of Hexachlorocyclohexanes. <i>Environmental Science &amp; Technology</i> , 2017, 51, 446-454.	10.0	27
25	SIMS chlorine isotope analyses in melt inclusions from arc settings. <i>Chemical Geology</i> , 2017, 449, 112-122.	3.3	25
26	The chlorine isotopic composition of the Moon: Insights from melt inclusions. <i>Earth and Planetary Science Letters</i> , 2019, 523, 115715.	4.4	24
27	A re-assessment of the nitrogen geochemical behavior in upper oceanic crust from Hole 504B: Implications for subduction budget in Central America. <i>Earth and Planetary Science Letters</i> , 2019, 525, 115735.	4.4	23
28	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
29	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
30	A multi-decadal view of the heat and mass budget of a volcano in unrest: La Soufrière de Guadeloupe (French West Indies). <i>Bulletin of Volcanology</i> , 2021, 83, 1.	3.0	20
31	Determination of Bromine Stable Isotope Ratios from Saline Solutions by "Wet Plasma" 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
32	Past hot fluid flows in limestones detected by $\delta^{47}$ (U-Pb) and not recorded by other geothermometers. <i>Geology</i> , 2020, 48, 851-856.	4.4	19
33	Isotopic Characterization ( $^2\text{H}$ , $^{13}\text{C}$ , $^{37}\text{Cl}$ , $^{81}\text{Br}$ ) of Abiotic Degradation of Methyl Bromide and Methyl Chloride in Water and Implications for Future Studies. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8813-8822.	10.0	16
34	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 ( $\delta^{47}$ ) data. <i>Basin Research</i> , 2019, 31, 361-379.	2.7	16
35	Interlaboratory Characterisation of Apatite Reference Materials for Chlorine Isotope Analysis. <i>Geostandards and Geanalytical Research</i> , 2021, 45, 121-142.	3.1	15
36	An explanation for the $\delta^{18}\text{O}$ excess in Noelaerhabdaceae coccolith calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 132-142.	3.9	14

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37	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
38	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
39	Oxygen isotope composition of waters recorded in carbonates in strong clumped and oxygen isotopic disequilibrium. <i>Biogeosciences</i> , 2020, 17, 1731-1744.	3.3	12
40	Chlorine isotope data of chlorides challenge the pore fluid paradigm. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 300, 258-278.	3.9	12
41	Gas Monitoring of Volcanic-Hydrothermal Plumes in a Tropical Environment: The Case of La Soufrière de Guadeloupe Unrest Volcano (Lesser Antilles). <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	12
42	Improvement of analytical method for chlorine dual inlet isotope ratio mass spectrometry of organochlorines. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1343-1350.	1.5	10
43	Intercomparison of geochemical techniques at La Soufrière de Guadeloupe (FWI) volcano: their advantages and their limits over a long-standing unrest. <i>Italian Journal of Geosciences</i> , 2020, 139, 398-412.	0.8	10
44	The gravitas of gravitational isotope fractionation revealed in an isolated aquifer. <i>Geochemical Perspectives Letters</i> , 0, , 53-58.	5.0	10
45	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
46	Monitoring Hydrothermal Activity Using Major and Trace Elements in Low-Temperature Fumarolic Condensates: The Case of La Soufriere de Guadeloupe Volcano. <i>Geosciences (Switzerland)</i> , 2022, 12, 267.	2.2	6
47	Pre-concentration of chloride in dilute water-samples for precise $^{37}\text{Cl}$ determination using a strong ion-exchange resin: Application to rainwaters. <i>Chemical Geology</i> , 2015, 413, 86-93.	3.3	5
48	Decoding water-rock interaction and volatile input at La Soufriere volcano (Guadeloupe) using time-series major and trace element analyses in gas condensates. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 425, 107517.	2.1	5
49	Towards the use of the coccolith vital effects in palaeoceanography: A field investigation during the middle Miocene in the SW Pacific Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 160, 103262.	1.4	3
50	Chlorine Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 244-248.	0.1	3
51	Cl isotope fractionation in magmatic and hydrothermal eudialyte, sodalite and tugtupite (Ilímaussaq) Tj ETQq1 1 0,784314 rgBT /Over	3.3	2
52	High-precision apatite $^{37}\text{Cl}$ measurement by SIMS with a 1012 $\hat{\text{C}}$ amplifier Faraday cup. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 222-228.	3.0	1
53	Development towards stable chlorine isotope measurements of astromaterials using the modified Middleton source of an accelerator mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2022, 477, 116849.	1.5	1
54	Chlorine Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-5.	0.1	0