Magali Ader

List of Publications by Year
in descending order

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90 papers	3,221 citations	126907 33 h-index	155660 55 g-index
94 all docs	94 docs citations	94 times ranked	3002 citing authors

#	Article	IF	Citations
1	Massive recycling of nitrogen and other fluid-mobile elements (K, Rb, Cs, H) in a cold slab environment: evidence from HP to UHP oceanic metasediments of the Schistes LustrÃ©s nappe (western) Tj ETQq1 1 0.784314 rgBT /O	4.4	214
2	Interpretation of the nitrogen isotopic composition of Precambrian sedimentary rocks: Assumptions and perspectives. Chemical Geology, 2016, 429, 93-110.	3.3	136
3	Organic nitrogen chemistry during low-grade metamorphism. Geochimica Et Cosmochimica Acta, 2008, 72, 1199-1221.	3.9	130
4	A cross-calibration of chlorine isotopic measurements and suitability of seawater as the international reference material. Chemical Geology, 2004, 207, 1-12.	3.3	123
5	Extreme ¹⁵Nâ€enrichments in 2.72â€Gyrâ€old sediments: evidence for a turning point in the nitrogen cycle. Geobiology, 2011, 9, 107-120.	2.4	121
6	Ocean redox structure across the Late Neoproterozoic Oxygenation Event: A nitrogen isotope perspective. Earth and Planetary Science Letters, 2014, 396, 1-13.	4.4	119
7	Waterâ€“rock interactions during a CO2 injection field-test: Implications on host rock dissolution and alteration effects. Chemical Geology, 2009, 265, 227-235.	3.3	111
8	Improved method for isotopic and quantitative analysis of dissolved inorganic carbon in natural water samples. Rapid Communications in Mass Spectrometry, 2006, 20, 2243-2251.	1.5	109
9	A multilayered water column in the Ediacaran Yangtze platform? Insights from carbonate and organic matter paired Î´13C. Earth and Planetary Science Letters, 2009, 288, 213-227.	4.4	109
10	Combined paleomagnetic and isotopic data from the Doushantuo carbonates, South China: implications for the â€œsnowball Earthâ€•hypothesis. Earth and Planetary Science Letters, 2004, 224, 387-398.	4.4	95
11	Biological activity and the Earth's surface evolution: Insights from carbon, sulfur, nitrogen and iron stable isotopes in the rock record. Comptes Rendus - Palevol, 2009, 8, 665-678.	0.2	95
12	Microbial life and biogeochemical cycling on land 3,220 million years ago. Nature Geoscience, 2018, 11, 665-671.	12.9	95
13	The origin and formation of metamorphic microdiamonds from the Kokchetav massif, Kazakhstan: a nitrogen and carbon isotopic study. Chemical Geology, 2001, 176, 265-281.	3.3	85
14	Isotope study on organic nitrogen of Westphalian anthracites from the Western Middle field of Pennsylvania (U.S.A.) and from the Bramsche Massif (Germany). Organic Geochemistry, 1998, 29, 315-323.	1.8	82
15	Methanotrophs regulated atmospheric sulfur isotope anomalies during the Mesoarchean (Tumbiana) Tj ETQq1 1 0.784314 rgBT /Ove	4.4	82
16	A carbon isotope challenge to the snowball Earth. Nature, 2011, 478, 93-96.	27.8	74
17	Identification of a Sturtian cap carbonate in the Neoproterozoic Sete Lagoas carbonate platform, BambuÃ-Group, Brazil. Comptes Rendus - Geoscience, 2007, 339, 240-258.	1.2	67
18	Kinetic nitrogen isotope fractionation associated with thermal decomposition of NH3: Experimental results and potential applications to trace the origin of N2 in natural gas and hydrothermal systems. Geochimica Et Cosmochimica Acta, 2009, 73, 6282-6297.	3.9	61

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19	Methods for the Stable Isotopic Analysis of Chlorine in Chlorate and Perchlorate Compounds. Analytical Chemistry, 2001, 73, 4946-4950.	6.5	58
20	Nitrogen isotopic evolution of carbonaceous matter during metamorphism: Methodology and preliminary results. Chemical Geology, 2006, 232, 152-169.	3.3	57
21	Hydrological budget, carbon sources and biogeochemical processes in Lac Pavin (France): Constraints from Î´18O of water and Î´13C of dissolved inorganic carbon. Applied Geochemistry, 2008, 23, 2800-2816.	3.0	57
22	Nitrogen cycle in the Late Archean ferruginous ocean. Chemical Geology, 2013, 362, 115-130.	3.3	56
23	Diamond growth during ultrahigh-pressure metamorphism of the Kokchetav Massif, northern Kazakhstan. Island Arc, 2000, 9, 428-438.	1.1	50
24	Microbial Isotopic Fractionation of Perchlorate Chlorine. Applied and Environmental Microbiology, 2003, 69, 4997-5000.	3.1	49
25	Quantification and isotopic analysis of nitrogen in rocks at the ppm level using sealed tube combustion technique: A prelude to the study of altered oceanic crust. Chemical Geology, 2005, 223, 249-258.	3.3	45
26	The Syabruâ€Bensi hydrothermal system in central Nepal: 1. Characterization of carbon dioxide and radon fluxes. Journal of Geophysical Research: Solid Earth, 2014, 119, 4017-4055.	3.4	45
27	Experimental determination of stable chlorine and bromine isotope fractionation during precipitation of salt from a saturated solution. Chemical Geology, 2016, 433, 46-56.	3.3	44
28	The magnetization of clay-rich rocks in sedimentary basins: low-temperature experimental formation of magnetic carriers in natural samples. Earth and Planetary Science Letters, 2005, 230, 193-210.	4.4	41
29	Noble gas and carbon isotopic signatures of Cape Verde oceanic carbonatites: Implications for carbon provenance. Earth and Planetary Science Letters, 2010, 291, 70-83.	4.4	41
30	Characterization of phototrophic microorganisms and description of new cyanobacteria isolated from the saline-alkaline crater-lake Dziani Dzaha (Mayotte, Indian Ocean). FEMS Microbiology Ecology, 2018, 94, .	2.7	39
31	Carbon isotope fractionation during calcium carbonate precipitation induced by ureolytic bacteria. Geochimica Et Cosmochimica Acta, 2012, 98, 107-124.	3.9	37
32	Natural H₂ in <scp>K</scp>ansas: Deep or shallow origin?. Geochemistry, Geophysics, Geosystems, 2017, 18, 1841-1865.	2.5	37
33	Coupling Î”47 and fluid inclusion thermometry on carbonate cements to precisely reconstruct the temperature, salinity and Î´18O of paleo-groundwater in sedimentary basins. Chemical Geology, 2017, 472, 44-57.	3.3	37
34	Key Role of Alphaproteobacteria and Cyanobacteria in the Formation of Stromatolites of Lake Dziani Dzaha (Mayotte, Western Indian Ocean). Frontiers in Microbiology, 2018, 9, 796.	3.5	33
35	Organic matter removal for the analysis of carbon and oxygen isotope compositions of siderite. Chemical Geology, 2014, 372, 54-61.	3.3	31
36	A comment on â€œThe nitrogen record of crustâ€“mantle interaction and mantle convection from Archean to Presentâ€•by B. Marty and N. Dauphas [Earth Planet. Sci. Lett. 206(2003) 397â€“410]. Earth and Planetary Science Letters, 2003, 216, 425-432.	4.4	30

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37	The continuous re-equilibration of carbon isotope compositions of hydrous Mg carbonates in the presence of cyanobacteria. Chemical Geology, 2015, 404, 41-51.	3.3	27
38	Spatiotemporal variations in microbial diversity across the three domains of life in a tropical thalassohaline lake (Dziani Dzaha, Mayotte Island). Molecular Ecology, 2018, 27, 4775-4786.	3.9	27
39	Microbial perchlorate reduction: A precise laboratory determination of the chlorine isotope fractionation and its possible biochemical basis. Earth and Planetary Science Letters, 2008, 269, 605-613.	4.4	24
40	The Ediacaran sedimentary architecture and carbonate productivity in the Atar cliffs, Adrar, Mauritania: Palaeoenvironments, chemostratigraphy and diagenesis. Precambrian Research, 2007, 153, 236-261.	2.7	23
41	A large epeiric methanogenic BambuÃ-sea in the core of Gondwana supercontinent?. Geoscience Frontiers, 2021, 12, 203-218.	8.4	23
42	Carbon isotope evidence for large methane emissions to the Proterozoic atmosphere. Scientific Reports, 2020, 10, 18186.	3.3	21
43	Paleoenvironmental reconstruction of the Ediacaran Araras platform (Western Brazil) from the sedimentary and trace metals record. Precambrian Research, 2014, 241, 185-202.	2.7	20
44	Formation of magnesiumâ€smectite during lacustrine carbonates early diagenesis: Study case of the volcanic crater lake Dziani Dzaha (Mayotte â€“ Indian Ocean). Sedimentology, 2019, 66, 983-1001.	3.1	20
45	Bioticâ€“Abiotic Influences on Modern Caâ€“Si-Rich Hydrothermal Spring Mounds of the Pastos Grandes Volcanic Caldera (Bolivia). Minerals (Basel, Switzerland), 2019, 9, 380.	2.0	19
46	Very Low Phytoplankton Diversity in a Tropical Saline-Alkaline Lake, with Co-dominance of Arthrospira fusiformis (Cyanobacteria) and Picocystis salinarum (Chlorophyta). Microbial Ecology, 2019, 78, 603-617.	2.8	19
47	Late Neoproterozoic carbonate productivity in a rifting context: the Adoudou Formation and its associated bimodal volcanism onlapping the western Saghro inlier, Morocco. Geological Society Special Publication, 2008, 297, 285-302.	1.3	18
48	Early Diagenesis of Lacustrine Carbonates in Volcanic Settings: The Role of Magmatic CO₂ (Lake Dziani Dzaha, Mayotte, Indian Ocean). ACS Earth and Space Chemistry, 2020, 4, 363-378.	2.7	18
49	Ubiquitous occurrence of basaltic-derived paleosols in the Late Archean Fortescue Group, Western Australia. Precambrian Research, 2015, 267, 1-27.	2.7	16
50	Nitrogen isotope evidence for stepwise oxygenation of the ocean during the Great Oxidation Event. Geochimica Et Cosmochimica Acta, 2019, 261, 224-247.	3.9	16
51	Deciphering the impact of diagenesis overprint on negative Î´13C excursions using rock magnetism: Case study of Ediacaran carbonates, Yangjiaping section, South China. Earth and Planetary Science Letters, 2012, 351-352, 281-294.	4.4	15
52	Multiple sulfur isotope evidence for massive oceanic sulfate depletion in the aftermath of Snowball Earth. Nature Communications, 2016, 7, 12192.	12.8	15
53	Early diagenetic carbonate bed formation at the sedimentâ€“water interface triggered by synsedimentary faults. Chemical Geology, 2012, 300-301, 1-13.	3.3	14
54	Early diagenetic formation of carbonates in a clastic-dominated ramp environment impacted by synsedimentary faulting-induced fluid seepage â€“ Evidence from the Late Jurassic Boulonnais Basin (N) Tj ETQq0 0 0 rgBT /Overlock 10	3.3	14

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55	Disequilibrium Î´18O values in microbial carbonates as a tracer of metabolic production of dissolved inorganic carbon. Geochimica Et Cosmochimica Acta, 2017, 199, 112-129.	3.9	14
56	Carbon isotope fractionation during calcium carbonate precipitation induced by ureaseâ€catalysed hydrolysis of urea. Chemical Geology, 2012, 330-331, 39-50.	3.3	13
57	Water circulation control on carbonate-Î´18O records in a low permeability clay formation and surrounding limestones: The Upper Doggerâ€“Oxfordian sequence from the eastern Paris basin, France. Applied Geochemistry, 2011, 26, 818-827.	3.0	12
58	Oxygen isotope composition of waters recorded in carbonates in strong clumped and oxygen isotopic disequilibrium. Biogeosciences, 2020, 17, 1731-1744.	3.3	12
59	Chlorine isotope data of chlorides challenge the pore fluid paradigm. Geochimica Et Cosmochimica Acta, 2021, 300, 258-278.	3.9	12
60	Delineation of hybrid and carbonate reservoirs through genetic stratigraphy in the Lower Mesozoic of southeastern France: procedures and benefits. Marine and Petroleum Geology, 1996, 13, 653-669.	3.3	10
61	The gravitas of gravitational isotope fractionation revealed in an isolated aquifer. Geochemical Perspectives Letters, 0, , 53-58.	5.0	10
62	The origin of continental carbonates in Andean salars: A multi-tracer geochemical approach in Laguna Pastos Grandes (Bolivia). Geochimica Et Cosmochimica Acta, 2020, 279, 220-237.	3.9	9
63	Effects of diagenesis on magnetic mineralogy in a Jurassic claystone-limestone succession from the Paris Basin. Journal of Geophysical Research, 2000, 105, 2797-2804.	3.3	8
64	The use of chromium reduction in the analysis of organic carbon and inorganic sulfur isotope compositions in Archean rocks. Chemical Geology, 2017, 457, 68-74.	3.3	8
65	Variability of Carbonate Isotope Signatures in a Hydrothermally Influenced System: Insights from the Pastos Grandes Caldera (Bolivia). Minerals (Basel, Switzerland), 2020, 10, 989.	2.0	8
66	Microfacies, diagenesis and hydrocarbon potential of the Neoproterozoic cap carbonate of the southern Amazon Craton. Sedimentary Geology, 2020, 406, 105720.	2.1	8
67	Extension tardi-orogÃ©nique et formation des bassins intracontinentaux: le bassin stÃ©phanien des CÃ©vennes. Geodinamica Acta, 1997, 10, 70-80.	2.2	7
68	Solute transport in porous media during drying: The chlorine isotopes point of view. Chemical Geology, 2017, 466, 102-115.	3.3	6
69	Bias in carbon concentration and Î´13C measurements of organic matter due to cleaning treatments with organic solvents. Chemical Geology, 2018, 493, 405-412.	3.3	6
70	Geochemistry of an endorheic thalassohaline ecosystem: the Dziani Dzaha crater lake (Mayotte) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.2	6
71	The Dziani Dzaha Lake: A longâ€awaited modern analogue for superheavy pyrites. Geobiology, 2022, 20, 444-461.	2.4	6
72	Low temperature magnetic properties of the Late Archean Boolgeeda iron formation (Hamersley) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.8	5

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73	Pre-concentration of chloride in dilute water-samples for precise Î´37Cl determination using a strong ion-exchange resin: Application to rainwaters. Chemical Geology, 2015, 413, 86-93.	3.3	5
74	Quantitative and specific recovery of natural organic and mineral sulfur for (multi-)isotope analysis. Organic Geochemistry, 2020, 146, 104055.	1.8	4
75	Influence of aphotic haloclines and euxinia on organic biomarkers and microbial communities in a thalassohaline and alkaline volcanic crater lake. Geobiology, 2021, , .	2.4	3
76	Nitrogen Isotope Discrepancy Between Primary Producers and Sediments in an Anoxic and Alkaline Lake. Frontiers in Earth Science, 2021, 9, .	1.8	3
77	Strong reorganization of multi-domain microbial networks associated with primary producers sedimentation from oxic to anoxic conditions in an hypersaline lake. FEMS Microbiology Ecology, 2022, 97, .	2.7	3
78	CO2 ionic trapping at meta-sedimentary aquifer, following a CO2 injection push-pull test. Energy Procedia, 2009, 1, 2357-2360.	1.8	2
79	The Nitrogen Cycle in an Epeiric Sea in the Core of Gondwana Supercontinent: A Study on the Ediacaran-Cambrian BambuÃ-Group, East-central Brazil. Frontiers in Earth Science, 2021, 9, .	1.8	2
80	Successive Modes of Carbonate Precipitation in Microbialites along the Hydrothermal Spring of La Salsa in Laguna Pastos Grandes (Bolivian Altiplano). Geosciences (Switzerland), 2022, 12, 88.	2.2	2
81	Organic matter removal for continuous flow isotope ratio mass spectrometry analysis of carbon and oxygen isotope compositions of calcite or dolomite in organicâ€rich samples. Limnology and Oceanography: Methods, 2021, 19, 523-539.	2.0	1
82	Editorial: Refining the Interpretation of Nitrogen Isotopes in Deep Time Systems. Frontiers in Earth Science, 0, 10, .	1.8	1
83	Eustatic Control on Superheavy Î´³⁴S Pyrite Trends from Late Ediacaran-early Cambrian Carbonate Successions of the West Gondwana: Sulfate Distillation Cycles in Shallow Water Platforms?. , 2020, , .		0
84	Chlorine isotopes from chlorides in sedimentary fluids of the ocean crust and the Cl budget of Earth surface Chlorine. , 2021, , .		0
85	Nitrogen isotope variations across the 3.4 Gyr Buck Reef Chert, South Africa, question early nitrogen sources and pathways. , 2021, , .		0
86	Could Proterozoic Positive Carbon Isotope Excursions be Tracking Intense Methane Fluxes to the Atmosphere? An Analogue-Based Hypothesis. , 2020, , .		0
87	A Modern Analogue for Superheavy Pyrites?. , 2020, , .		0
88	Under-representation of Talents among Awards in Geochemistry and Cosmochemistry. , 2021, , .		0
89	The role of early diagenesis in the shaping of geochemical records: an example from Lake Dziani Dzaha, Mayotte. , 2021, , .		0
90	Biomineralization against all odds: Strategies of bacteria, foraminifera and bryozoa to control precipitation, mineralogy, and pH against environmental conditions.. , 2021, , .		0