Jerome Gaillardet

List of Publications by Year
in descending order

158	16,353	13865 67	16183 124
papers	citations	h-index	g-index

183	183	183	9882
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global silicate weathering and CO2 consumption rates deduced from the chemistry of large rivers. Chemical Geology, 1999, 159, 3-30.	3.3	2,300
2	Basalt weathering laws and the impact of basalt weathering on the global carbon cycle. Chemical Geology, 2003, 202, 257-273.	3.3	744
3	Chemical composition of suspended sediments in World Rivers: New insights from a new database. Science of the Total Environment, 2009, 407, 853-868.	8.0	557
4	Chemical and physical denudation in the Amazon River Basin. Chemical Geology, 1997, 142, 141-173.	3.3	480
5	Erosion of Deccan Traps determined by river geochemistry: impact on the global climate and the 87Sr/86Sr ratio of seawater. Earth and Planetary Science Letters, 2001, 188, 459-474.	4.4	426
6	Geochemistry of large river suspended sediments: silicate weathering or recycling tracer?. Geochimica Et Cosmochimica Acta, 1999, 63, 4037-4051.	3.9	400
7	The global control of silicate weathering rates and the coupling with physical erosion: new insights from rivers of the Canadian Shield. Earth and Planetary Science Letters, 2002, 196, 83-98.	4.4	394
8	Major and trace elements of river-borne material: The Congo Basin. Geochimica Et Cosmochimica Acta, 1996, 60, 1301-1321.	3.9	335
9	Geochemistry of dissolved and suspended loads of the Seine River, France: anthropogenic impact, carbonate and silicate weathering. Geochimica Et Cosmochimica Acta, 1999, 63, 1277-1292.	3.9	322
10	The magnesium isotope budget of the modern ocean: Constraints from riverine magnesium isotope ratios. Earth and Planetary Science Letters, 2006, 250, 241-253.	4.4	300
11	Northern latitude chemical weathering rates: clues from the Mackenzie River Basin, Canada. Geochimica Et Cosmochimica Acta, 2003, 67, 1305-1329.	3.9	297
12	Trace Elements in River Waters. , 2003, , 225-272.		263
13	Sustained sulfide oxidation by physical erosion processes in the Mackenzie River basin: Climatic perspectives. Geology, 2007, 35, 1003.	4.4	257
14	Grain size control of river suspended sediment geochemistry: Clues from Amazon River depth profiles. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	243
15	Predominant floodplain over mountain weathering of Himalayan sediments (Ganga basin). Geochimica Et Cosmochimica Acta, 2012, 84, 410-432.	3.9	234
16	The influence of rivers on marine boron isotopes and implications for reconstructing past ocean pH. Nature, 2000, 408, 951-954.	27.8	230
17	Sulfuric acid as an agent of carbonate weathering constrained by Î´13CDIC: Examples from Southwest China. Earth and Planetary Science Letters, 2008, 270, 189-199.	4.4	213
18	Behaviour of lithium and its isotopes during weathering in the Mackenzie Basin, Canada. Geochimica Et Cosmochimica Acta, 2010, 74, 3897-3912.	3.9	204

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19	Rivers, chemical weathering and Earth's climate. Comptes Rendus - Geoscience, 2003, 335, 1141-1160.	1.2	200
20	Riverine Li isotope fractionation in the Amazon River basin controlled by the weathering regimes. Geochimica Et Cosmochimica Acta, 2015, 164, 71-93.	3.9	192
21	Srî—¸Ndî—¸Pb isotope systematics in Amazon and Congo River systems: constraints about erosion processes. Chemical Geology, 1996, 131, 93-112.	3.3	185
22	A critical evaluation of the boron isotope-pH proxy: The accuracy of ancient ocean pH estimates. Geochimica Et Cosmochimica Acta, 2005, 69, 953-961.	3.9	183
23	A global geochemical mass budget applied to the Congo basin rivers: Erosion rates and continental crust composition. Geochimica Et Cosmochimica Acta, 1995, 59, 3469-3485.	3.9	182
24	Boron isotope systematics in large rivers: implications for the marine boron budget and paleo-pH reconstruction over the Cenozoic. Chemical Geology, 2002, 190, 123-140.	3.3	178
25	The fundamental role of island arc weathering in the oceanic Sr isotope budget. Earth and Planetary Science Letters, 2010, 292, 51-56.	4.4	161
26	Lead isotopic systematics of major river sediments: a new estimate of the Pb isotopic composition of the Upper Continental Crust. Chemical Geology, 2004, 203, 75-90.	3.3	160
27	Coupling between Biota and Earth Materials in the Critical Zone. Elements, 2007, 3, 327-332.	0.5	156
28	Trace Elements in River Waters. , 2014, , 195-235.		147
29	Erosion of organic carbon in the Arctic as a geological carbon dioxide sink. Nature, 2015, 524, 84-87.	27.8	141
30	Intercomparison of Boron Isotope and Concentration Measurements. Part II: Evaluation of Results. Geostandards and Geoanalytical Research, 2003, 27, 41-57.	3.1	139
31	Lithium isotopes in large rivers reveal the cannibalistic nature of modern continental weathering and erosion. Earth and Planetary Science Letters, 2014, 401, 359-372.	4.4	137
32	Sulfur isotopes in rivers: Insights into global weathering budgets, pyrite oxidation, and the modern sulfur cycle. Earth and Planetary Science Letters, 2018, 496, 168-177.	4.4	136
33	A Rouse-based method to integrate the chemical composition of river sediments: Application to the Ganga basin. Journal of Geophysical Research, 2011, 116, .	3.3	132
34	Oxidation of petrogenic organic carbon in the Amazon floodplain as a source of atmospheric CO2. Geology, 2010, 38, 255-258.	4.4	130
35	Boron isotopic compositions of corals: Seawater or diagenesis record?. Earth and Planetary Science Letters, 1995, 136, 665-676.	4.4	129
36	Zinc Isotopes in the Seine River Waters, France: A Probe of Anthropogenic Contamination. Environmental Science & Technology, 2008, 42, 6494-6501.	10.0	129

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37	OZCAR: The French Network of Critical Zone Observatories. Vadose Zone Journal, 2018, 17, 1-24.	2.2	126
38	Time scale and conditions of weathering under tropical climate: Study of the Amazon basin with U-series. Geochimica Et Cosmochimica Acta, 2006, 70, 71-89.	3.9	125
39	Source, transport and fluxes of Amazon River particulate organic carbon: Insights from river sediment depth-profiles. Geochimica Et Cosmochimica Acta, 2014, 133, 280-298.	3.9	122
40	Accuracy of stable Mg and Ca isotope data obtained by MC-ICP-MS using the standard addition method. Chemical Geology, 2008, 257, 65-75.	3.3	120
41	Mg isotope constraints on soil pore-fluid chemistry: Evidence from Santa Cruz, California. Geochimica Et Cosmochimica Acta, 2010, 74, 3883-3896.	3.9	118
42	Turbulent mixing in the Amazon River: The isotopic memory of confluences. Earth and Planetary Science Letters, 2010, 290, 37-43.	4.4	118
43	Interlaboratory comparison of boron isotope analyses of boric acid, seawater and marine CaCO3 by MC-ICPMS and NTIMS. Chemical Geology, 2013, 358, 1-14.	3.3	112
44	Boron isotopic fractionation related to boron sorption on humic acid and the structure of surface complexes formed. Geochimica Et Cosmochimica Acta, 2005, 69, 3519-3533.	3.9	109
45	Characterization of boron incorporation and speciation in calcite and aragonite from co-precipitation experiments under controlled pH, temperature and precipitation rate. Geochimica Et Cosmochimica Acta, 2015, 150, 299-313.	3.9	102
46	An optimized procedure for boron separation and mass spectrometry analysis for river samples. Chemical Geology, 2002, 182, 323-334.	3.3	99
47	Floodplains of large rivers: Weathering reactors or simple silos?. Chemical Geology, 2012, 332-333, 166-184.	3.3	96
48	Positive correlation between Li and Mg isotope ratios in the river waters of the Mackenzie Basin challenges the interpretation of apparent isotopic fractionation during weathering. Earth and Planetary Science Letters, 2012, 333-334, 35-45.	4.4	96
49	Weathering and transport of sediments in the Bolivian Andes: Time constraints from uranium-series isotopes. Earth and Planetary Science Letters, 2006, 248, 759-771.	4.4	95
50	Designing a network of critical zone observatories to explore the living skin of the terrestrial Earth. Earth Surface Dynamics, 2017, 5, 841-860.	2.4	92
51	Chemical denudation rates of the western Canadian orogenic belt: the Stikine terrane. Chemical Geology, 2003, 201, 257-279.	3.3	91
52	Reassessing the stable (Î´88/86Sr) and radiogenic (87Sr/86Sr) strontium isotopic composition of marine inputs. Geochimica Et Cosmochimica Acta, 2015, 157, 125-146.	3.9	89
53	How surface complexes impact boron isotope fractionation: Evidence from Fe and Mn oxides sorption experiments. Earth and Planetary Science Letters, 2007, 260, 277-296.	4.4	86
54	Influence of atmospheric deposits and secondary minerals on Li isotopes budget in a highly weathered catchment, Guadeloupe (Lesser Antilles). Chemical Geology, 2015, 414, 28-41.	3.3	85

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55	Zn isotopes in the suspended load of the Seine River, France: Isotopic variations and source determination. Geochimica Et Cosmochimica Acta, 2009, 73, 4060-4076.	3.9	84
56	Evaporation and Sublimation of Boric Acid: Application for Boron Purification from Organic Rich Solutions. Geostandards and Geoanalytical Research, 2001, 25, 67-75.	3.1	83
57	Boron isotopes in precipitation: Experimental constraints and field evidence from French Guiana. Earth and Planetary Science Letters, 2005, 235, 16-30.	4.4	83
58	Global climate control on carbonate weathering intensity. Chemical Geology, 2019, 527, 118762.	3.3	82
59	Himalaya–Carbon Sink or Source?. Science, 2008, 320, 1727-1728.	12.6	80
60	Crystallographic control on the boron isotope paleo-pH proxy. Earth and Planetary Science Letters, 2015, 430, 398-407.	4.4	80
61	Boron Isotopes in the Seine River, France:Â A Probe of Anthropogenic Contamination. Environmental Science & Technology, 2005, 39, 2486-2493.	10.0	78
62	Chemical weathering of silicate rocks in Karelia region and Kola peninsula, NW Russia: Assessing the effect of rock composition, wetlands and vegetation. Chemical Geology, 2007, 242, 255-277.	3.3	76
63	Geological respiration of a mountain belt revealed by the trace element rhenium. Earth and Planetary Science Letters, 2014, 403, 27-36.	4.4	76
64	The effect of curvature on weathering rind formation: Evidence from Uranium-series isotopes in basaltic andesite weathering clasts in Guadeloupe. Geochimica Et Cosmochimica Acta, 2012, 80, 92-107.	3.9	75
65	River dissolved and solid loads in the Lesser Antilles: New insight into basalt weathering processes. Journal of Geochemical Exploration, 2006, 88, 308-312.	3.2	74
66	How important is it to integrate riverine suspended sediment chemical composition with depth? Clues from Amazon River depth-profiles. Geochimica Et Cosmochimica Acta, 2011, 75, 6955-6970.	3.9	73
67	Transient features of the erosion of shales in the Mackenzie basin (Canada), evidences from boron isotopes. Earth and Planetary Science Letters, 2006, 245, 174-189.	4.4	72
68	The dependence of meteoric 10Be concentrations on particle size in Amazon River bed sediment and the extraction of reactive 10Be/9Be ratios. Chemical Geology, 2012, 318-319, 126-138.	3.3	71
69	Tracing weathering regimes using the lithium isotope composition of detrital sediments. Geology, 2017, 45, 411-414.	4.4	70
70	Contrasting silicon isotope signatures in rivers from the Congo Basin and the specific behaviour of organicâ€rich waters. Geophysical Research Letters, 2010, 37, .	4.0	69
71	Calcium isotope ratios in the world's largest rivers: A constraint on the maximum imbalance of oceanic calcium fluxes. Global Biogeochemical Cycles, 2010, 24, .	4.9	67
72	Sensitivity of carbonate weathering to soil CO2 production by biological activity along a temperate climate transect. Chemical Geology, 2014, 390, 74-86.	3.3	65

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73	Comparison of dissolved inorganic and organic carbon yields and fluxes in the watersheds of tropical volcanic islands, examples from Guadeloupe (French West Indies). Chemical Geology, 2011, 280, 65-78.	3.3	64
74	Biogeochemistry of carbon, major and trace elements in watersheds of northern Eurasia drained to the Arctic Ocean: The change of fluxes, sources and mechanisms under the climate warming prospective. Comptes Rendus - Geoscience, 2012, 344, 663-677.	1.2	64
75	Giving depth to the surface: An exercise in the Gaia-graphy of critical zones. Infrastructure Asset Management, 2018, 5, 120-135.	1.6	62
76	Controls on rind thickness on basaltic andesite clasts weathering in Guadeloupe. Chemical Geology, 2010, 276, 129-143.	3.3	60
77	Fluxes of high- versus low-temperature waterâ€“rock interactions in aerial volcanic areas: Example from the Kamchatka Peninsula, Russia. Geochimica Et Cosmochimica Acta, 2009, 73, 148-169.	3.9	59
78	Boron isotopes geochemistry of the Changjiang basin rivers. Geochimica Et Cosmochimica Acta, 2009, 73, 6084-6097.	3.9	58
79	Prediction of depthâ€integrated fluxes of suspended sediment in the Amazon River: particle aggregation as a complicating factor. Hydrological Processes, 2011, 25, 778-794.	2.6	58
80	Abrupt sea surface pH change at the end of the Younger Dryas in the central sub-equatorial Pacific inferred from boron isotope abundance in corals (<i>Porites</i>). Biogeosciences, 2010, 7, 2445-2459.	3.3	57
81	Dynamic of particulate and dissolved organic carbon in small volcanic mountainous tropical watersheds. Chemical Geology, 2013, 351, 229-244.	3.3	52
82	First-principles study of boron speciation in calcite and aragonite. Geochimica Et Cosmochimica Acta, 2016, 193, 119-131.	3.9	52
83	Orography-driven chemical denudation in the Lesser Antilles: Evidence for a new feed-back mechanism stabilizing atmospheric CO2. Numerische Mathematik, 2011, 311, 851-894.	1.4	49
84	Geological evolution of seawater boron isotopic composition recorded in evaporites. Geology, 2010, 38, 1035-1038.	4.4	48
85	Anthropophile elements in river sediments: Overview from the <scp>S</scp>eine <scp>R</scp>iver, <scp>F</scp>rance. Geochemistry, Geophysics, Geosystems, 2014, 15, 4526-4546.	2.5	47
86	Modeling of water-rock interaction in the Mackenzie basin: Competition between sulfuric and carbonic acids. Chemical Geology, 2011, 289, 114-123.	3.3	46
87	Iron isotopes in the Seine River (France): Natural versus anthropogenic sources. Geochimica Et Cosmochimica Acta, 2014, 128, 128-143.	3.9	46
88	Direct separation of Zn from dilute aqueous solutions for isotope composition determination using multi-collector ICP-MS. Chemical Geology, 2009, 259, 120-130.	3.3	44
89	A fully automated direct injection nebulizer (d-DIHEN) for MC-ICP-MS isotope analysis: application to boron isotope ratio measurements. Journal of Analytical Atomic Spectrometry, 2014, 29, 1698-1707.	3.0	43
90	A test of the cosmogenic¹⁰Be(meteoric)/⁹Be proxy for simultaneously determining basin-wide erosion rates, denudation rates, and the degree of weathering in the Amazon basin. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2498-2528.	2.8	41

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91	CZ-tope at Susquehanna Shale Hills CZO: Synthesizing multiple isotope proxies to elucidate Critical Zone processes across timescales in a temperate forested landscape. Chemical Geology, 2016, 445, 103-119.	3.3	37
92	Ecosystem controlled soil-rock pCO2 and carbonate weathering â€“ Constraints by temperature and soil water content. Chemical Geology, 2019, 527, 118634.	3.3	37
93	The Influence of Hydrothermal Activity on the Li Isotopic Signature of Rivers Draining Volcanic Areas. Procedia Earth and Planetary Science, 2014, 10, 223-230.	0.6	35
94	Riverine dissolved lithium isotopic signatures in lowâ€relief central Africa and their link to weathering regimes. Geophysical Research Letters, 2016, 43, 4391-4399.	4.0	35
95	Use of B isotopes as a tracer of anthropogenic emissions in the atmosphere of Paris, France. Applied Geochemistry, 2009, 24, 810-820.	3.0	34
96	Carbon isotopes in the rivers from the Lesser Antilles: origin of the carbonic acid consumed by weathering reactions in the Lesser Antilles. Earth Surface Processes and Landforms, 2013, 38, 1020-1035.	2.5	34
97	Theoretical isotopic fractionation between structural boron in carbonates and aqueous boric acid and borate ion. Geochimica Et Cosmochimica Acta, 2018, 222, 117-129.	3.9	33
98	Earthquake-induced structural deformations enhance long-term solute fluxes from active volcanic systems. Scientific Reports, 2018, 8, 14809.	3.3	33
99	A global rate of denudation from cosmogenic nuclides in the Earth's largest rivers. Earth-Science Reviews, 2020, 204, 103147.	9.1	32
100	Investigating boron isotopes in a middle Jurassic micritic sequence: Primary vs. diagenetic signal. Chemical Geology, 2010, 275, 117-126.	3.3	30
101	Method for isotope ratio drift correction by internal amplifier signal synchronization in MC-ICPMS transient signals. Journal of Analytical Atomic Spectrometry, 2014, 29, 1607-1617.	3.0	30
102	The potamochemical symphony: new progress in the high-frequency acquisition of stream chemical data. Hydrology and Earth System Sciences, 2017, 21, 6153-6165.	4.9	30
103	Experimental constraints on Li isotope fractionation during the interaction between kaolinite and seawater. Geochimica Et Cosmochimica Acta, 2021, 292, 333-347.	3.9	30
104	Steering operational synergies in terrestrial observation networks: opportunity for advancing Earth system dynamics modelling. Earth System Dynamics, 2018, 9, 593-609.	7.1	28
105	Weathering Intensity in Lowland River Basins: From the Andes to the Amazon Mouth. Procedia Earth and Planetary Science, 2014, 10, 280-286.	0.6	27
106	Ge and Si isotope signatures in rivers: A quantitative multi-proxy approach. Earth and Planetary Science Letters, 2018, 503, 194-215.	4.4	27
107	Zn isotope compositions of the thermal spring waters of La SoufriÃ¨re volcano, Guadeloupe Island. Geochimica Et Cosmochimica Acta, 2014, 127, 67-82.	3.9	26
108	Large-scale organization of carbon dioxide discharge in the Nepal Himalayas. Geophysical Research Letters, 2014, 41, 6358-6366.	4.0	26

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109	Characterising the stable (Î´88/86 Sr) and radiogenic (87 Sr/ 86 Sr) isotopic composition of strontium in rainwater. Chemical Geology, 2015, 409, 54-60.	3.3	26
110	Constraints on the role of tectonic and climate on erosion revealed by two time series analysis of marine cores around New Zealand. Earth and Planetary Science Letters, 2015, 410, 174-185.	4.4	26
111	Boron isotope ratios of surface waters in Guadeloupe, Lesser Antilles. Applied Geochemistry, 2011, 26, S76-S79.	3.0	25
112	How accurate are rivers as gauges of chemical denudation of the Earth surface?. Geology, 2014, 42, 171-174.	4.4	25
113	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. Biogeosciences, 2018, 15, 4815-4832.	3.3	24
114	Boron in the Weathering Environment. Advances in Isotope Geochemistry, 2018, , 163-188.	1.4	22
115	Rivers from Volcanic Island Arcs: The subduction weathering factory. Applied Geochemistry, 2011, 26, S350-S353.	3.0	21
116	Erosion rates deduced from seasonal mass balance along the upper Urumqi River in Tianshan. Solid Earth, 2011, 2, 283-301.	2.8	20
117	Historical constraints on the origins of the carbon cycle concept. Comptes Rendus - Geoscience, 2012, 344, 549-567.	1.2	20
118	Are boron isotopes a reliable tracer of anthropogenic inputs to rivers over time?. Science of the Total Environment, 2018, 626, 1057-1068.	8.0	20
119	Boron isotopic fractionation during adsorption by calcite â€“ Implication for the seawater pH proxy. Geochimica Et Cosmochimica Acta, 2018, 240, 255-273.	3.9	19
120	Boron Isotope Fractionation in Soils at Shale Hills CZO. Procedia Earth and Planetary Science, 2014, 10, 218-222.	0.6	17
121	Barium stable isotopes as a fingerprint of biological cycling in the Amazon River basin. Biogeosciences, 2020, 17, 5989-6015.	3.3	17
122	Chemical Weathering Rates, CO2 Consumption, and Control Parameters Deduced from the Chemical Composition of Rivers. , 2014, , 175-194.		16
123	Boron Behavior in the Rivers of RÃ©union Island, Inferred from Boron Isotope Ratios and Concentrations of Major and Trace Elements. Procedia Earth and Planetary Science, 2014, 10, 231-237.	0.6	15
124	Behaviors of Major and Trace Elements During Single Flood Event in the Seine River, France. Procedia Earth and Planetary Science, 2014, 10, 343-348.	0.6	14
125	Quantifying chemical weathering rates along a precipitation gradient on Basse-Terre Island, French Guadeloupe: New insight from U-series isotopes in weathering rinds. Geochimica Et Cosmochimica Acta, 2016, 195, 29-67.	3.9	14
126	Chemical weathering and CO₂ consumption rate in a multilayeredâ€aquifer dominated watershed under intensive farming: The Orgeval Critical Zone Observatory, France. Hydrological Processes, 2019, 33, 195-213.	2.6	14

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127	Automated Analyte Separation by Ion Chromatography Using a Cobot Applied to Geological Reference Materials for Li Isotope Composition. Geostandards and Geoanalytical Research, 2020, 44, 57-67.	3.1	14
128	Developing boron isotopes to elucidate shale weathering in the critical zone. Chemical Geology, 2021, 559, 119900.	3.3	12
129	A Review on the Elemental and Isotopic Geochemistry of Gallium. Global Biogeochemical Cycles, 2021, 35, e2021GB007033.	4.9	12
130	The influence of black shale weathering on riverine barium isotopes. Chemical Geology, 2022, 594, 120741.	3.3	12
131	Chemical Weathering Rates, CO2 Consumption, and Control Parameters Deduced from the Chemical Composition of Rivers. , 2007, , 1-25.		11
132	Rock denudation rates and organic carbon exports along a latitudinal gradient in the Hudson, James, and Ungava bays watershed. Canadian Journal of Earth Sciences, 2012, 49, 742-757.	1.3	10
133	Transient signal isotope analysis using multicollection of ion beams with Faraday cups equipped with 10¹² Î© and 10¹¹ Î© feedback resistors. Journal of Analytical Atomic Spectrometry, 2015, 30, 1582-1589.	3.0	9
134	Quantitative evaluation of human and climate forcing on erosion in the alpine Critical Zone over the last 2000 years. Quaternary Science Reviews, 2021, 268, 107127.	3.0	9
135	Controls on the Mg Cycle in the Tropics: Insights from a Case Study at the Luquillo Critical Zone Observatory. Procedia Earth and Planetary Science, 2014, 10, 200-203.	0.6	8
136	Quantifying weathering rind formation rates using in situ measurements of U-series isotopes with laser ablation and inductively coupled plasma-mass spectrometry. Geochimica Et Cosmochimica Acta, 2019, 247, 1-26.	3.9	8
137	Boron isotope fractionation during the formation of amorphous calcium carbonates and their transformation to Mg-calcite and aragonite. Geochimica Et Cosmochimica Acta, 2021, 315, 152-152.	3.9	8
138	Testing the Steady State Assumption for the Earth's Surface Denudation Using Li Isotopes in the Amazon Basin. Procedia Earth and Planetary Science, 2015, 13, 162-168.	0.6	7
139	Reconciling chemical weathering rates across scales: Application of uranium-series isotope systematics in volcanic weathering clasts from Basse-Terre Island (French Guadeloupe). Earth and Planetary Science Letters, 2020, 530, 115874.	4.4	7
140	Deciphering the signatures of weathering and erosion processes and the effects of river management on Li isotopes in the subtropical Pearl River basin. Geochimica Et Cosmochimica Acta, 2021, 313, 340-358.	3.9	7
141	A frugal implementation of Surface Enhanced Raman Scattering for sensing Zn2+ in freshwaters â€“ In depth investigation of the analytical performances. Scientific Reports, 2020, 10, 1883.	3.3	6
142	Li and Si isotopes reveal authigenic clay formation in a palaeo-delta. Earth and Planetary Science Letters, 2022, 578, 117339.	4.4	6
143	Resiliency of Silica Export Signatures When Low Order Streams Are Subject to Storm Events. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	6
144	Catchmentâ€Scale Architecture of the Deep Critical Zone Revealed by Seismic Imaging. Geophysical Research Letters, 2022, 49, .	4.0	6

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145	Geochemistry of the Congo River, estuary, and plume. , 2013, , 554-583.		5
146	Transient signal isotope analysis: validation of the method for isotope signal synchronization with the determination of amplifier firstâ€•order time constants. Rapid Communications in Mass Spectrometry, 2015, 29, 1617-1622.	1.5	5
147	Dynamic of boron in forest ecosystems traced by its isotopes: A modeling approach. Chemical Geology, 2021, 560, 119994.	3.3	5
148	Combining Uranium, Boron, and Strontium Isotope Ratios (234U/238U, Î´11B, 87Sr/86Sr) to Trace and Quantify Salinity Contributions to Rio Grande River in Southwestern United States. Frontiers in Water, 2021, 2, .	2.3	5
149	Isotope Geochemistry as a Tool for Deciphering Kinetics of Water-Rock Interaction. , 2008, , 591-653.		4
150	From unweathered core to regolith in a single weathering andesitic clast: Rates and trends of in situ chemical weathering on a tropical volcanic island (Basse Terre Island, French Guadeloupe). Chemical Geology, 2018, 498, 17-30.	3.3	4
151	Use of stable Mg isotope ratios in identifying the base cation sources of stream water in the boreal Krycklan catchment (Sweden). Chemical Geology, 2022, 588, 120651.	3.3	4
152	Landslides as geological hotspots of CO₂ emission: clues from the instrumented SÃ©chilienne landslide, western European Alps. Earth Surface Dynamics, 2021, 9, 487-504.	2.4	3
153	The pH dependence of the isotopic composition of boron adsorbed on amorphous silica. Geochimica Et Cosmochimica Acta, 2021, 308, 1-20.	3.9	2
154	Contrasted Chemical Weathering Rates in Cratonic Basins: The OgoouÃ© and Mbei Rivers, Western Central Africa. Frontiers in Water, 2021, 2, .	2.3	1
155	Reply to the Comment made by C. Gualtieri on â€œTurbulent mixing in the Amazon River: The isotopic memory of confluencesâ€• by J. Bouchez, E. Lajeunesse, J. Gaillardet, C. France-Lanord, P. Dutra-Maia and L. Maurice. Earth and Planetary Science Letters, 2011, 311, 451-452.	4.4	0
156	Sodium. Encyclopedia of Earth Sciences Series, 2016, , 1-4.	0.1	0
157	Sodium. Encyclopedia of Earth Sciences Series, 2016, , 1-4.	0.1	0
158	Sodium. Encyclopedia of Earth Sciences Series, 2018, , 1344-1347.	0.1	0