

Jerome Gaillardet

List of Publications by Year in descending order

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158
papers

16,353
citations

15880

67
h-index

18400

124
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183
all docs

183
docs citations

183
times ranked

11081
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of stable Mg isotope ratios in identifying the base cation sources of stream water in the boreal Krycklan catchment (Sweden). <i>Chemical Geology</i> , 2022, 588, 120651.	1.4	4
2	Li and Si isotopes reveal authigenic clay formation in a palaeo-delta. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117339.	1.8	6
3	The influence of black shale weathering on riverine barium isotopes. <i>Chemical Geology</i> , 2022, 594, 120741.	1.4	12
4	Resiliency of Silica Export Signatures When Low Order Streams Are Subject to Storm Events. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	6
5	Catchmentâ€Scale Architecture of the Deep Critical Zone Revealed by Seismic Imaging. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
6	Experimental constraints on Li isotope fractionation during the interaction between kaolinite and seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 333-347.	1.6	30
7	Developing boron isotopes to elucidate shale weathering in the critical zone. <i>Chemical Geology</i> , 2021, 559, 119900.	1.4	12
8	Dynamic of boron in forest ecosystems traced by its isotopes: A modeling approach. <i>Chemical Geology</i> , 2021, 560, 119994.	1.4	5
9	Contrasted Chemical Weathering Rates in Cratonic Basins: The OgoouÃ© and Mbei Rivers, Western Central Africa. <i>Frontiers in Water</i> , 2021, 2, .	1.0	1
10	Combining Uranium, Boron, and Strontium Isotope Ratios ($^{234}\text{U}/^{238}\text{U}$, ^{11}B , $^{87}\text{Sr}/^{86}\text{Sr}$) to Trace and Quantify Salinity Contributions to Rio Grande River in Southwestern United States. <i>Frontiers in Water</i> , 2021, 2, .	1.0	5
11	Landslides as geological hotspots of CO_2 emission: clues from the instrumented SÃ©chillienne landslide, western European Alps. <i>Earth Surface Dynamics</i> , 2021, 9, 487-504.	1.0	3
12	Quantitative evaluation of human and climate forcing on erosion in the alpine Critical Zone over the last 2000 years. <i>Quaternary Science Reviews</i> , 2021, 268, 107127.	1.4	9
13	The pH dependence of the isotopic composition of boron adsorbed on amorphous silica. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 308, 1-20.	1.6	2
14	Boron isotope fractionation during the formation of amorphous calcium carbonates and their transformation to Mg-calcite and aragonite. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 315, 152-152.	1.6	8
15	A Review on the Elemental and Isotopic Geochemistry of Gallium. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007033.	1.9	12
16	Deciphering the signatures of weathering and erosion processes and the effects of river management on Li isotopes in the subtropical Pearl River basin. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 313, 340-358.	1.6	7
17	Automated Analyte Separation by Ion Chromatography Using a Cobot Applied to Geological Reference Materials for Li Isotope Composition. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 57-67.	1.7	14
18	Reconciling chemical weathering rates across scales: Application of uranium-series isotope systematics in volcanic weathering clasts from Basse-Terre Island (French Guadeloupe). <i>Earth and Planetary Science Letters</i> , 2020, 530, 115874.	1.8	7

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19	A global rate of denudation from cosmogenic nuclides in the Earth's largest rivers. <i>Earth-Science Reviews</i> , 2020, 204, 103147.	4.0	32
20	A frugal implementation of Surface Enhanced Raman Scattering for sensing Zn ²⁺ in freshwaters – In depth investigation of the analytical performances. <i>Scientific Reports</i> , 2020, 10, 1883.	1.6	6
21	Barium stable isotopes as a fingerprint of biological cycling in the Amazon River basin. <i>Biogeosciences</i> , 2020, 17, 5989-6015.	1.3	17
22	Global climate control on carbonate weathering intensity. <i>Chemical Geology</i> , 2019, 527, 118762.	1.4	82
23	Quantifying weathering rind formation rates using in situ measurements of U-series isotopes with laser ablation and inductively coupled plasma-mass spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 247, 1-26.	1.6	8
24	Chemical weathering and CO ₂ consumption rate in a multilayered aquifer dominated watershed under intensive farming: The Orgeval Critical Zone Observatory, France. <i>Hydrological Processes</i> , 2019, 33, 195-213.	1.1	14
25	Ecosystem controlled soil-rock pCO ₂ and carbonate weathering – Constraints by temperature and soil water content. <i>Chemical Geology</i> , 2019, 527, 118634.	1.4	37
26	Are boron isotopes a reliable tracer of anthropogenic inputs to rivers over time?. <i>Science of the Total Environment</i> , 2018, 626, 1057-1068.	3.9	20
27	Theoretical isotopic fractionation between structural boron in carbonates and aqueous boric acid and borate ion. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 117-129.	1.6	33
28	Boron in the Weathering Environment. <i>Advances in Isotope Geochemistry</i> , 2018, , 163-188.	1.4	22
29	OZCAR: The French Network of Critical Zone Observatories. <i>Vadose Zone Journal</i> , 2018, 17, 1-24.	1.3	126
30	Ge and Si isotope signatures in rivers: A quantitative multi-proxy approach. <i>Earth and Planetary Science Letters</i> , 2018, 503, 194-215.	1.8	27
31	Earthquake-induced structural deformations enhance long-term solute fluxes from active volcanic systems. <i>Scientific Reports</i> , 2018, 8, 14809.	1.6	33
32	Steering operational synergies in terrestrial observation networks: opportunity for advancing Earth system dynamics modelling. <i>Earth System Dynamics</i> , 2018, 9, 593-609.	2.7	28
33	Giving depth to the surface: An exercise in the Gaia-graphy of critical zones. <i>Infrastructure Asset Management</i> , 2018, 5, 120-135.	1.2	62
34	Boron isotopic fractionation during adsorption by calcite – Implication for the seawater pH proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 240, 255-273.	1.6	19
35	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. <i>Biogeosciences</i> , 2018, 15, 4815-4832.	1.3	24
36	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). <i>Chemical Geology</i> , 2018, 498, 17-30.	1.4	4

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37	Sulfur isotopes in rivers: Insights into global weathering budgets, pyrite oxidation, and the modern sulfur cycle. <i>Earth and Planetary Science Letters</i> , 2018, 496, 168-177.	1.8	136
38	Sodium. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 1344-1347.	0.1	0
39	Tracing weathering regimes using the lithium isotope composition of detrital sediments. <i>Geology</i> , 2017, 45, 411-414.	2.0	70
40	Designing a network of critical zone observatories to explore the living skin of the terrestrial Earth. <i>Earth Surface Dynamics</i> , 2017, 5, 841-860.	1.0	92
41	The potamochemical symphony: new progress in the high-frequency acquisition of stream chemical data. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 6153-6165.	1.9	30
42	Riverine dissolved lithium isotopic signatures in low-relief central Africa and their link to weathering regimes. <i>Geophysical Research Letters</i> , 2016, 43, 4391-4399.	1.5	35
43	First-principles study of boron speciation in calcite and aragonite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 119-131.	1.6	52
44	Quantifying chemical weathering rates along a precipitation gradient on Basse-Terre Island, French Guadeloupe: New insight from U-series isotopes in weathering rinds. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 195, 29-67.	1.6	14
45	Sodium. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-4.	0.1	0
46	Sodium. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-4.	0.1	0
47	CZ-tope at Susquehanna Shale Hills CZO: Synthesizing multiple isotope proxies to elucidate Critical Zone processes across timescales in a temperate forested landscape. <i>Chemical Geology</i> , 2016, 445, 103-119.	1.4	37
48	A test of the cosmogenic ^{10}Be (meteoric) / ^{9}Be proxy for simultaneously determining basin-wide erosion rates, denudation rates, and the degree of weathering in the Amazon basin. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 2498-2528.	1.0	41
49	Testing the Steady State Assumption for the Earth's Surface Denudation Using Li Isotopes in the Amazon Basin. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 162-168.	0.6	7
50	Transient signal isotope analysis: validation of the method for isotope signal synchronization with the determination of amplifier first-order time constants. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1617-1622.	0.7	5
51	Characterising the stable ($^{88}\text{Sr}/^{86}\text{Sr}$) and radiogenic ($^{87}\text{Sr}/^{86}\text{Sr}$) isotopic composition of strontium in rainwater. <i>Chemical Geology</i> , 2015, 409, 54-60.	1.4	26
52	Reassessing the stable ($^{88}\text{Sr}/^{86}\text{Sr}$) and radiogenic ($^{87}\text{Sr}/^{86}\text{Sr}$) strontium isotopic composition of marine inputs. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 157, 125-146.	1.6	89
53	Erosion of organic carbon in the Arctic as a geological carbon dioxide sink. <i>Nature</i> , 2015, 524, 84-87.	13.7	141
54	Characterization of boron incorporation and speciation in calcite and aragonite from co-precipitation experiments under controlled pH, temperature and precipitation rate. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 299-313.	1.6	102

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55	Riverine Li isotope fractionation in the Amazon River basin controlled by the weathering regimes. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 164, 71-93.	1.6	192
56	Constraints on the role of tectonic and climate on erosion revealed by two time series analysis of marine cores around New Zealand. <i>Earth and Planetary Science Letters</i> , 2015, 410, 174-185.	1.8	26
57	Transient signal isotope analysis using multicollection of ion beams with Faraday cups equipped with ^{10}B and ^{11}B feedback resistors. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1582-1589.	1.6	9
58	Influence of atmospheric deposits and secondary minerals on Li isotopes budget in a highly weathered catchment, Guadeloupe (Lesser Antilles). <i>Chemical Geology</i> , 2015, 414, 28-41.	1.4	85
59	Crystallographic control on the boron isotope paleo-pH proxy. <i>Earth and Planetary Science Letters</i> , 2015, 430, 398-407.	1.8	80
60	How accurate are rivers as gauges of chemical denudation of the Earth surface?. <i>Geology</i> , 2014, 42, 171-174.	2.0	25
61	Sensitivity of carbonate weathering to soil CO ₂ production by biological activity along a temperate climate transect. <i>Chemical Geology</i> , 2014, 390, 74-86.	1.4	65
62	Lithium isotopes in large rivers reveal the cannibalistic nature of modern continental weathering and erosion. <i>Earth and Planetary Science Letters</i> , 2014, 401, 359-372.	1.8	137
63	Zn isotope compositions of the thermal spring waters of La Soufrière volcano, Guadeloupe Island. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 127, 67-82.	1.6	26
64	Source, transport and fluxes of Amazon River particulate organic carbon: Insights from river sediment depth-profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 280-298.	1.6	122
65	Controls on the Mg Cycle in the Tropics: Insights from a Case Study at the Luquillo Critical Zone Observatory. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 200-203.	0.6	8
66	Method for isotope ratio drift correction by internal amplifier signal synchronization in MC-ICPMS transient signals. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1607-1617.	1.6	30
67	A fully automated direct injection nebulizer (d-DIHEN) for MC-ICP-MS isotope analysis: application to boron isotope ratio measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1698-1707.	1.6	43
68	The Influence of Hydrothermal Activity on the Li Isotopic Signature of Rivers Draining Volcanic Areas. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 223-230.	0.6	35
69	Boron Behavior in the Rivers of Réunion Island, Inferred from Boron Isotope Ratios and Concentrations of Major and Trace Elements. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 231-237.	0.6	15
70	Behaviors of Major and Trace Elements During Single Flood Event in the Seine River, France. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 343-348.	0.6	14
71	Weathering Intensity in Lowland River Basins: From the Andes to the Amazon Mouth. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 280-286.	0.6	27
72	Trace Elements in River Waters. , 2014, , 195-235.		147

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73	Boron Isotope Fractionation in Soils at Shale Hills CZO. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 218-222.	0.6	17
74	Geological respiration of a mountain belt revealed by the trace element rhenium. <i>Earth and Planetary Science Letters</i> , 2014, 403, 27-36.	1.8	76
75	Chemical Weathering Rates, CO ₂ Consumption, and Control Parameters Deduced from the Chemical Composition of Rivers. , 2014, , 175-194.		16
76	Iron isotopes in the Seine River (France): Natural versus anthropogenic sources. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 128, 128-143.	1.6	46
77	Large-scale organization of carbon dioxide discharge in the Nepal Himalayas. <i>Geophysical Research Letters</i> , 2014, 41, 6358-6366.	1.5	26
78	Anthrophile elements in river sediments: Overview from the <i>S</i> - <i>R</i> iver, <i>F</i> - <i>r</i> ance. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4526-4546.	1.0	47
79	Dynamic of particulate and dissolved organic carbon in small volcanic mountainous tropical watersheds. <i>Chemical Geology</i> , 2013, 351, 229-244.	1.4	52
80	Interlaboratory comparison of boron isotope analyses of boric acid, seawater and marine CaCO ₃ by MC-ICPMS and NTIMS. <i>Chemical Geology</i> , 2013, 358, 1-14.	1.4	112
81	Carbon isotopes in the rivers from the Lesser Antilles: origin of the carbonic acid consumed by weathering reactions in the Lesser Antilles. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1020-1035.	1.2	34
82	Geochemistry of the Congo River, estuary, and plume. , 2013, , 554-583.		5
83	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. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 663-677.	0.4	64
84	Floodplains of large rivers: Weathering reactors or simple silos?. <i>Chemical Geology</i> , 2012, 332-333, 166-184.	1.4	96
85	Rock denudation rates and organic carbon exports along a latitudinal gradient in the Hudson, James, and Ungava bays watershed. <i>Canadian Journal of Earth Sciences</i> , 2012, 49, 742-757.	0.6	10
86	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. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 35-45.	1.8	96
87	The dependence of meteoric ¹⁰ Be concentrations on particle size in Amazon River bed sediment and the extraction of reactive ¹⁰ Be/ ⁹ Be ratios. <i>Chemical Geology</i> , 2012, 318-319, 126-138.	1.4	71
88	The effect of curvature on weathering rind formation: Evidence from Uranium-series isotopes in basaltic andesite weathering clasts in Guadeloupe. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 80, 92-107.	1.6	75
89	Predominant floodplain over mountain weathering of Himalayan sediments (Ganga basin). <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 410-432.	1.6	234
90	Historical constraints on the origins of the carbon cycle concept. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 549-567.	0.4	20

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91	Grain size control of river suspended sediment geochemistry: Clues from Amazon River depth profiles. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	1.0	243
92	A Rouse-based method to integrate the chemical composition of river sediments: Application to the Ganga basin. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	132
93	Boron isotope ratios of surface waters in Guadeloupe, Lesser Antilles. <i>Applied Geochemistry</i> , 2011, 26, S76-S79.	1.4	25
94	Rivers from Volcanic Island Arcs: The subduction weathering factory. <i>Applied Geochemistry</i> , 2011, 26, S350-S353.	1.4	21
95	Comparison of dissolved inorganic and organic carbon yields and fluxes in the watersheds of tropical volcanic islands, examples from Guadeloupe (French West Indies). <i>Chemical Geology</i> , 2011, 280, 65-78.	1.4	64
96	Modeling of water-rock interaction in the Mackenzie basin: Competition between sulfuric and carbonic acids. <i>Chemical Geology</i> , 2011, 289, 114-123.	1.4	46
97	How important is it to integrate riverine suspended sediment chemical composition with depth? Clues from Amazon River depth-profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6955-6970.	1.6	73
98	Reply to the Comment made by C. Gualtieri on "Turbulent mixing in the Amazon River: The isotopic memory of confluences" by J. Bouchez, E. Lajeunesse, J. Gaillardet, C. France-Lanord, P. Dutra-Maia and L. Maurice. <i>Earth and Planetary Science Letters</i> , 2011, 311, 451-452.	1.8	0
99	Prediction of depth-integrated fluxes of suspended sediment in the Amazon River: particle aggregation as a complicating factor. <i>Hydrological Processes</i> , 2011, 25, 778-794.	1.1	58
100	Orography-driven chemical denudation in the Lesser Antilles: Evidence for a new feed-back mechanism stabilizing atmospheric CO ₂ . <i>Numerische Mathematik</i> , 2011, 311, 851-894.	0.7	49
101	Erosion rates deduced from seasonal mass balance along the upper Urumqi River in Tianshan. <i>Solid Earth</i> , 2011, 2, 283-301.	1.2	20
102	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>). <i>Biogeosciences</i> , 2010, 7, 2445-2459.	1.3	57
103	Oxidation of petrogenic organic carbon in the Amazon floodplain as a source of atmospheric CO ₂ . <i>Geology</i> , 2010, 38, 255-258.	2.0	130
104	Geological evolution of seawater boron isotopic composition recorded in evaporites. <i>Geology</i> , 2010, 38, 1035-1038.	2.0	48
105	Contrasting silicon isotope signatures in rivers from the Congo Basin and the specific behaviour of organic-rich waters. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	69
106	Mg isotope constraints on soil pore-fluid chemistry: Evidence from Santa Cruz, California. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3883-3896.	1.6	118
107	Behaviour of lithium and its isotopes during weathering in the Mackenzie Basin, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3897-3912.	1.6	204
108	Turbulent mixing in the Amazon River: The isotopic memory of confluences. <i>Earth and Planetary Science Letters</i> , 2010, 290, 37-43.	1.8	118

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109	The fundamental role of island arc weathering in the oceanic Sr isotope budget. <i>Earth and Planetary Science Letters</i> , 2010, 292, 51-56.	1.8	161
110	Investigating boron isotopes in a middle Jurassic micritic sequence: Primary vs. diagenetic signal. <i>Chemical Geology</i> , 2010, 275, 117-126.	1.4	30
111	Controls on rind thickness on basaltic andesite clasts weathering in Guadeloupe. <i>Chemical Geology</i> , 2010, 276, 129-143.	1.4	60
112	Calcium isotope ratios in the world's largest rivers: A constraint on the maximum imbalance of oceanic calcium fluxes. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	67
113	Chemical composition of suspended sediments in World Rivers: New insights from a new database. <i>Science of the Total Environment</i> , 2009, 407, 853-868.	3.9	557
114	Direct separation of Zn from dilute aqueous solutions for isotope composition determination using multi-collector ICP-MS. <i>Chemical Geology</i> , 2009, 259, 120-130.	1.4	44
115	Fluxes of high- versus low-temperature water-rock interactions in aerial volcanic areas: Example from the Kamchatka Peninsula, Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 148-169.	1.6	59
116	Zn isotopes in the suspended load of the Seine River, France: Isotopic variations and source determination. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4060-4076.	1.6	84
117	Boron isotopes geochemistry of the Changjiang basin rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 6084-6097.	1.6	58
118	Use of B isotopes as a tracer of anthropogenic emissions in the atmosphere of Paris, France. <i>Applied Geochemistry</i> , 2009, 24, 810-820.	1.4	34
119	Isotope Geochemistry as a Tool for Deciphering Kinetics of Water-Rock Interaction. , 2008, , 591-653.		4
120	Sulfuric acid as an agent of carbonate weathering constrained by $\delta^{13}\text{C}_{\text{DIC}}$: Examples from Southwest China. <i>Earth and Planetary Science Letters</i> , 2008, 270, 189-199.	1.8	213
121	Accuracy of stable Mg and Ca isotope data obtained by MC-ICP-MS using the standard addition method. <i>Chemical Geology</i> , 2008, 257, 65-75.	1.4	120
122	Zinc Isotopes in the Seine River Waters, France: A Probe of Anthropogenic Contamination. <i>Environmental Science & Technology</i> , 2008, 42, 6494-6501.	4.6	129
123	Himalaya-Carbon Sink or Source?. <i>Science</i> , 2008, 320, 1727-1728.	6.0	80
124	Sustained sulfide oxidation by physical erosion processes in the Mackenzie River basin: Climatic perspectives. <i>Geology</i> , 2007, 35, 1003.	2.0	257
125	How surface complexes impact boron isotope fractionation: Evidence from Fe and Mn oxides sorption experiments. <i>Earth and Planetary Science Letters</i> , 2007, 260, 277-296.	1.8	86
126	Chemical weathering of silicate rocks in Karelia region and Kola peninsula, NW Russia: Assessing the effect of rock composition, wetlands and vegetation. <i>Chemical Geology</i> , 2007, 242, 255-277.	1.4	76

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127	Coupling between Biota and Earth Materials in the Critical Zone. <i>Elements</i> , 2007, 3, 327-332.	0.5	156
128	Chemical Weathering Rates, CO ₂ Consumption, and Control Parameters Deduced from the Chemical Composition of Rivers. , 2007, , 1-25.		11
129	Transient features of the erosion of shales in the Mackenzie basin (Canada), evidences from boron isotopes. <i>Earth and Planetary Science Letters</i> , 2006, 245, 174-189.	1.8	72
130	Weathering and transport of sediments in the Bolivian Andes: Time constraints from uranium-series isotopes. <i>Earth and Planetary Science Letters</i> , 2006, 248, 759-771.	1.8	95
131	The magnesium isotope budget of the modern ocean: Constraints from riverine magnesium isotope ratios. <i>Earth and Planetary Science Letters</i> , 2006, 250, 241-253.	1.8	300
132	Time scale and conditions of weathering under tropical climate: Study of the Amazon basin with U-series. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 71-89.	1.6	125
133	River dissolved and solid loads in the Lesser Antilles: New insight into basalt weathering processes. <i>Journal of Geochemical Exploration</i> , 2006, 88, 308-312.	1.5	74
134	Boron Isotopes in the Seine River, France: A Probe of Anthropogenic Contamination. <i>Environmental Science & Technology</i> , 2005, 39, 2486-2493.	4.6	78
135	A critical evaluation of the boron isotope-pH proxy: The accuracy of ancient ocean pH estimates. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 953-961.	1.6	183
136	Boron isotopic fractionation related to boron sorption on humic acid and the structure of surface complexes formed. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3519-3533.	1.6	109
137	Boron isotopes in precipitation: Experimental constraints and field evidence from French Guiana. <i>Earth and Planetary Science Letters</i> , 2005, 235, 16-30.	1.8	83
138	Lead isotopic systematics of major river sediments: a new estimate of the Pb isotopic composition of the Upper Continental Crust. <i>Chemical Geology</i> , 2004, 203, 75-90.	1.4	160
139	Intercomparison of Boron Isotope and Concentration Measurements. Part II: Evaluation of Results. <i>Geostandards and Geoanalytical Research</i> , 2003, 27, 41-57.	1.7	139
140	Rivers, chemical weathering and Earth's climate. <i>Comptes Rendus - Geoscience</i> , 2003, 335, 1141-1160.	0.4	200
141	Basalt weathering laws and the impact of basalt weathering on the global carbon cycle. <i>Chemical Geology</i> , 2003, 202, 257-273.	1.4	744
142	Chemical denudation rates of the western Canadian orogenic belt: the Stikine terrane. <i>Chemical Geology</i> , 2003, 201, 257-279.	1.4	91
143	Northern latitude chemical weathering rates: clues from the Mackenzie River Basin, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1305-1329.	1.6	297
144	Trace Elements in River Waters. , 2003, , 225-272.		263

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145	An optimized procedure for boron separation and mass spectrometry analysis for river samples. <i>Chemical Geology</i> , 2002, 182, 323-334.	1.4	99
146	Boron isotope systematics in large rivers: implications for the marine boron budget and paleo-pH reconstruction over the Cenozoic. <i>Chemical Geology</i> , 2002, 190, 123-140.	1.4	178
147	The global control of silicate weathering rates and the coupling with physical erosion: new insights from rivers of the Canadian Shield. <i>Earth and Planetary Science Letters</i> , 2002, 196, 83-98.	1.8	394
148	Erosion of Deccan Traps determined by river geochemistry: impact on the global climate and the $^{87}\text{Sr}/^{86}\text{Sr}$ ratio of seawater. <i>Earth and Planetary Science Letters</i> , 2001, 188, 459-474.	1.8	426
149	Evaporation and Sublimation of Boric Acid: Application for Boron Purification from Organic Rich Solutions. <i>Geostandards and Geoanalytical Research</i> , 2001, 25, 67-75.	1.7	83
150	The influence of rivers on marine boron isotopes and implications for reconstructing past ocean pH. <i>Nature</i> , 2000, 408, 951-954.	13.7	230
151	Global silicate weathering and CO_2 consumption rates deduced from the chemistry of large rivers. <i>Chemical Geology</i> , 1999, 159, 3-30.	1.4	2,300
152	Geochemistry of dissolved and suspended loads of the Seine River, France: anthropogenic impact, carbonate and silicate weathering. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 1277-1292.	1.6	322
153	Geochemistry of large river suspended sediments: silicate weathering or recycling tracer?. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 4037-4051.	1.6	400
154	Chemical and physical denudation in the Amazon River Basin. <i>Chemical Geology</i> , 1997, 142, 141-173.	1.4	480
155	Sr – Nd – Pb isotope systematics in Amazon and Congo River systems: constraints about erosion processes. <i>Chemical Geology</i> , 1996, 131, 93-112.	1.4	185
156	Major and trace elements of river-borne material: The Congo Basin. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 1301-1321.	1.6	335
157	Boron isotopic compositions of corals: Seawater or diagenesis record?. <i>Earth and Planetary Science Letters</i> , 1995, 136, 665-676.	1.8	129
158	A global geochemical mass budget applied to the Congo basin rivers: Erosion rates and continental crust composition. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 3469-3485.	1.6	182