

# Friedhelm von Blanckenburg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3815171/publications.pdf>

Version: 2024-02-01

168  
papers

13,743  
citations

19608

61  
h-index

22102

113  
g-index

191  
all docs

191  
docs citations

191  
times ranked

8919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mg isotope composition of runoff is buffered by the regolith exchangeable pool. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 321, 99-114.	1.6	11
2	The role of iron-bearing minerals for the deep weathering of a hydrothermally altered plutonic rock in semi-arid climate (Chilean Coastal Cordillera). <i>Chemical Geology</i> , 2022, 604, 120922.	1.4	5
3	Deep weathering in the semi-arid Coastal Cordillera, Chile. <i>Scientific Reports</i> , 2021, 11, 13057.	1.6	12
4	Isotope mass-balance constraints preclude that mafic weathering drove Neogene cooling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
5	Silicon isotopes reveal a decline in oceanic dissolved silicon driven by biosilicification: A prerequisite for the Cambrian Explosion?. <i>Earth and Planetary Science Letters</i> , 2021, 566, 116959.	1.8	13
6	Deposition and retention of meteoric <sup>10</sup> Be in Holocene Taiwan river terraces. <i>Quaternary Science Reviews</i> , 2021, 265, 107048.	1.4	5
7	Didier L. Bourlès (1955–2021), the 5 MV cosmogenic rock star. <i>Quaternary Geochronology</i> , 2021, 65, 101186.	0.6	0
8	Rate limitations of nano-scale weathering front advance in the slow-eroding Sri Lankan Highlands. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 311, 174-197.	1.6	9
9	Systematic changes in serpentine Si isotope signatures across the Mariana forearc – a new proxy for slab dehydration processes. <i>Earth and Planetary Science Letters</i> , 2021, 575, 117193.	1.8	7
10	The Upper Limit of Denudation Rate Measurement From Cosmogenic <sup>10</sup> Be(Meteoritic)/ <sup>9</sup> Be Ratios in Taiwan. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006221.	1.0	7
11	The role of vegetation in setting strontium stable isotope ratios in the Critical Zone. <i>Numerische Mathematik</i> , 2021, 321, 1246-1283.	0.7	10
12	Rock weathering and nutrient cycling along an erodosequence. <i>Numerische Mathematik</i> , 2021, 321, 1111-1163.	0.7	14
13	L'altération des roches, thermostat de la Terre. <i>Pour la science</i> , 2021, N° 522 - avril, 64-73.	0.0	0
14	Quantifying biotic and abiotic Si fluxes in the Critical Zone with Ge/Si ratios along a gradient of erosion rates. <i>Numerische Mathematik</i> , 2021, 321, 1204-1245.	0.7	12
15	Interpreting silicon isotopes in the Critical Zone. <i>Numerische Mathematik</i> , 2021, 321, 1164-1203.	0.7	12
16	<sup>10</sup> Be/ <sup>9</sup> Be Ratios Reveal Marine Authigenic Clay Formation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086061.	1.5	14
17	Mineral Nutrients Sourced in Deep Regolith Sustain Long-Term Nutrition of Mountainous Temperate Forest Ecosystems. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006513.	1.9	35
18	Quantifying beryllium concentrations in plant shoots from forest ecosystems using cation-exchange chromatography and quadrupole ICP-MS. <i>Analytical Science Advances</i> , 2020, 1, 8.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Strontium isotopes trace biological activity in the Critical Zone along a climate and vegetation gradient. <i>Chemical Geology</i> , 2020, 558, 119861.	1.4	23
20	Biogeochemical cycling of phosphorus in subsoils of temperate forest ecosystems. <i>Biogeochemistry</i> , 2020, 150, 313-328.	1.7	17
21	The depositional flux of meteoric cosmogenic $^{10}\text{Be}$ from modeling and observation. <i>Earth and Planetary Science Letters</i> , 2020, 550, 116530.	1.8	11
22	Siliceous sponge expansion and phosphogenesis in a shallow water environment in the Malyi Karatau Range (Kazakhstan) during the Precambrian-Cambrian transition. <i>Precambrian Research</i> , 2020, 347, 105830.	1.2	5
23	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
24	How the rock-inhabiting fungus <i>K. petricola</i> A95 enhances olivine dissolution through attachment. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 76-97.	1.6	28
25	Denudation Rate Changes Along a Fast-Eroding Mountainous River With Slate Headwaters in Taiwan From $^{10}\text{Be}$ (Meteoric)/ $^9\text{Be}$ Ratios. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005251.	1.0	11
26	Vivianite formation in ferruginous sediments from Lake Towuti, Indonesia. <i>Biogeosciences</i> , 2020, 17, 1955-1973.	1.3	22
27	Do degree and rate of silicate weathering depend on plant productivity?. <i>Biogeosciences</i> , 2020, 17, 4883-4917.	1.3	22
28	Silicon uptake and isotope fractionation dynamics by crop species. <i>Biogeosciences</i> , 2020, 17, 6475-6490.	1.3	13
29	Calibrating a long-term meteoric $^{10}\text{Be}$ delivery rate into eroding western US glacial deposits by comparing meteoric and in situ produced $^{10}\text{Be}$ depth profiles. <i>Geochronology</i> , 2020, 2, 411-423.	1.0	2
30	How Slow Rock Weathering Balances Nutrient Loss During Fast Forest Floor Turnover in Montane, Temperate Forest Ecosystems. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	41
31	Neogene cooling driven by land surface reactivity rather than increased weathering fluxes. <i>Nature</i> , 2019, 571, 99-102.	13.7	114
32	Mechanisms of olivine dissolution by rock-inhabiting fungi explored using magnesium stable isotopes. <i>Chemical Geology</i> , 2019, 525, 18-27.	1.4	16
33	Does Earth Still Offer Discoveries?. <i>Elements</i> , 2019, 15, 75-75.	0.5	0
34	Cosmogenic $^{10}\text{Be}$ in river sediment: where grain size matters and why. <i>Earth Surface Dynamics</i> , 2019, 7, 393-410.	1.0	30
35	Preliminary results of CoQtz-N: A quartz reference material for terrestrial in-situ cosmogenic $^{10}\text{Be}$ and $^{26}\text{Al}$ measurements. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2019, 456, 203-212.	0.6	26
36	The experimental determination of equilibrium Si isotope fractionation factors among $\text{H}_4\text{SiO}_4$ , $\text{H}_3\text{SiO}_4^-$ and amorphous silica ( $\text{SiO}_2 \cdot 0.32 \text{H}_2\text{O}$ ) at 25 and 75 °C using the three-isotope method. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 49-68.	1.6	28

#	ARTICLE	IF	CITATIONS
37	Phosphorus Fluxes in a Temperate Forested Watershed: Canopy Leaching, Runoff Sources, and In-Stream Transformation. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	1.0	14
38	Using stable Mg isotope signatures to assess the fate of magnesium during the in situ mineralisation of CO <sub>2</sub> and H <sub>2</sub> S at the CarbFix site in SW-Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 542-555.	1.6	27
39	Laser Ablation <i>in Situ</i> Silicon Stable Isotope Analysis of Phytoliths. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 77-91.	1.7	11
40	Matrix dependency of baddeleyite U–Pb geochronology by femtosecond-LA-ICP-MS and comparison with nanosecond-LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 967-974.	1.6	5
41	Catchment-wide weathering and erosion rates of mafic, ultramafic, and granitic rock from cosmogenic meteoric <sup>10</sup> Be/ <sup>9</sup> Be ratios. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 618-641.	1.6	31
42	The Excitement of Science Discoveries in the Blue Sky. <i>Elements</i> , 2018, 14, 75-75.	0.5	0
43	Magnesium Stable Isotope Fractionation on a Cellular Level Explored by Cyanobacteria and Black Fungi with Implications for Higher Plants. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12216-12224.	4.6	23
44	Are seasonal variations in river-floodplain sediment exchange in the lower Amazon River basin resolvable through meteoric cosmogenic <sup>10</sup> Be to stable <sup>9</sup> Be ratios?. <i>Geomorphology</i> , 2018, 322, 148-158.	1.1	9
45	Nutrient cycling in a tropical montane rainforest under a supply-limited weathering regime traced by elemental mass balances and Mg stable isotopes. <i>Chemical Geology</i> , 2018, 497, 74-87.	1.4	42
46	The Irony of Iron – Life's Major Trace Element. <i>Elements</i> , 2018, 14, 367-367.	0.5	1
47	Pedogenic and microbial interrelations to regional climate and local topography: New insights from a climate gradient (arid to humid) along the Coastal Cordillera of Chile. <i>Catena</i> , 2018, 170, 335-355.	2.2	77
48	Chemistry and microbiology of the Critical Zone along a steep climate and vegetation gradient in the Chilean Coastal Cordillera. <i>Catena</i> , 2018, 170, 183-203.	2.2	64
49	Denudation rates and the degree of chemical weathering in the Ganga River basin from ratios of meteoric cosmogenic <sup>10</sup> Be to stable <sup>9</sup> Be. <i>Earth and Planetary Science Letters</i> , 2017, 469, 156-169.	1.8	27
50	The dynamics of Si cycling during weathering in two small catchments in the Black Forest (Germany) traced by Si isotopes. <i>Chemical Geology</i> , 2017, 466, 389-402.	1.4	14
51	Late Neoproterozoic seawater oxygenation by siliceous sponges. <i>Nature Communications</i> , 2017, 8, 621.	5.8	43
52	SLEEPING BEAUTIES AND THE GRIND OF SCIENTIFIC COMMUNICATION. <i>Elements</i> , 2017, 13, 147-147.	0.5	0
53	Mg Isotope Fractionation during Uptake by a Rock-Inhabiting, Model Microcolonial Fungus <i>Knufia petricola</i> at Acidic and Neutral pH. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9691-9699.	4.6	31
54	The competition between coastal trace metal fluxes and oceanic mixing from the <sup>10</sup> Be/ <sup>9</sup> Be ratio: Implications for sedimentary records. <i>Geophysical Research Letters</i> , 2017, 44, 8443-8452.	1.5	19

#	ARTICLE	IF	CITATIONS
55	Quantifying nutrient uptake as driver of rock weathering in forest ecosystems by magnesium stable isotopes. <i>Biogeosciences</i> , 2017, 14, 3111-3128.	1.3	71
56	Glaciation's topographic control on Holocene erosion at the eastern edge of the Alps. <i>Earth Surface Dynamics</i> , 2016, 4, 895-909.	1.0	15
57	Dissolved and colloidal phosphorus fluxes in forest ecosystems – an almost blind spot in ecosystem research. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 425-438.	1.1	125
58	Mass bias stabilization by Mg doping for Si stable isotope analysis by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2094-2100.	1.6	29
59	Development of routines for simultaneous in situ chemical composition and stable Si isotope ratio analysis by femtosecond laser ablation inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 938, 33-43.	2.6	23
60	Surface ages and weathering rates from $^{10}\text{Be}$ (meteoric) and $^{10}\text{Be}/^9\text{Be}$ : Insights from differential mass balance and reactive transport modeling. <i>Chemical Geology</i> , 2016, 446, 70-86.	1.4	20
61	The geological significance of cosmogenic nuclides in large lowland river basins. <i>Earth-Science Reviews</i> , 2016, 159, 118-141.	4.0	24
62	GEOCHEMICAL SAMPLES: BEAUTIFUL SMALL OR BETTER BIG?. <i>Elements</i> , 2016, 12, 155-156.	0.5	0
63	A test of the cosmogenic $^{10}\text{Be}$ (meteoric) / $^9\text{Be}$ 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
64	Stable runoff and weathering fluxes into the oceans over Quaternary climate cycles. <i>Nature Geoscience</i> , 2015, 8, 538-542.	5.4	87
65	Post-Miocene landscape rejuvenation at the eastern end of the Alps. <i>Lithosphere</i> , 2015, 7, 3-13.	0.6	18
66	The effect of Al on Si isotope fractionation investigated by silica precipitation experiments. <i>Chemical Geology</i> , 2015, 397, 94-105.	1.4	70
67	Mineralogical transformations set slow weathering rates in low-porosity metamorphic bedrock on mountain slopes in a tropical climate. <i>Chemical Geology</i> , 2015, 411, 283-298.	1.4	44
68	Effect of vegetation cover on millennial-scale landscape denudation rates in East Africa. <i>Lithosphere</i> , 2015, 7, 408-420.	0.6	58
69	The silicon isotope record of early silica diagenesis. <i>Earth and Planetary Science Letters</i> , 2015, 428, 293-303.	1.8	48
70	Transient river response, captured by channel steepness and its concavity. <i>Geomorphology</i> , 2015, 228, 234-243.	1.1	41
71	A preliminary study of iron isotope fractionation in marine invertebrates (chitons, Mollusca) in near-shore environments. <i>Biogeosciences</i> , 2014, 11, 5493-5502.	1.3	7
72	Iron uptake and ferrokinetics in healthy male subjects of an iron-based oral phosphate binder (SBR759) labeled with the stable isotope $^{58}\text{Fe}$ . <i>Metallomics</i> , 2014, 6, 2062-2071.	1.0	4

#	ARTICLE	IF	CITATIONS
73	An iron stable isotope comparison between human erythrocytes and plasma. <i>Metallomics</i> , 2014, 6, 2052-2061.	1.0	25
74	Si stable isotope fractionation during adsorption and the competition between kinetic and equilibrium isotope fractionation: Implications for weathering systems. <i>Chemical Geology</i> , 2014, 380, 161-171.	1.4	78
75	Cosmogenic Nuclides: Dates and Rates of Earth-Surface Change. <i>Elements</i> , 2014, 10, 341-346.	0.5	48
76	Element Cycling in the Critical Zone as Viewed by New Isotope Tools. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 173-178.	0.6	6
77	Microbial Colonization of Bare Rocks: Laboratory Biofilm Enhances Mineral Weathering. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 123-129.	0.6	29
78	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
79	River fluxes to the sea from the ocean's $^{10}\text{Be}/^9\text{Be}$ ratio. <i>Earth and Planetary Science Letters</i> , 2014, 387, 34-43.	1.8	56
80	Testing the limits of micro-scale analyses of Si stable isotopes by femtosecond laser ablation multicollector inductively coupled plasma mass spectrometry with application to rock weathering. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 98, 1-18.	1.5	56
81	Slow advance of the weathering front during deep, supply-limited saprolite formation in the tropical Highlands of Sri Lanka. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 118, 202-230.	1.6	67
82	The Iron Stable Isotope Fingerprint of the Human Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 11893-11899.	2.4	26
83	A new beam profile monitor and time of flight system for CologneAMS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 294, 410-415.	0.6	4
84	CologneAMS, a dedicated center for accelerator mass spectrometry in Germany. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2013, 294, 18-23.	0.6	98
85	Modeling novel stable isotope ratios in the weathering zone. <i>Numerische Mathematik</i> , 2013, 313, 267-308.	0.7	125
86	The first year of operation of CologneAMS; performance and developments. <i>EPJ Web of Conferences</i> , 2013, 63, 03006.	0.1	11
87	Isotope fractionation between dissolved and suspended particulate Fe in the oxic and anoxic water column of the Baltic Sea. <i>Biogeosciences</i> , 2013, 10, 233-245.	1.3	36
88	Earth surface erosion and weathering from the $^{10}\text{Be}$ (meteoric)/ $^9\text{Be}$ ratio. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 295-305.	1.8	88
89	The dependence of meteoric $^{10}\text{Be}$ concentrations on particle size in Amazon River bed sediment and the extraction of reactive $^{10}\text{Be}/^9\text{Be}$ ratios. <i>Chemical Geology</i> , 2012, 318-319, 126-138.	1.4	71
90	Soils as pacemakers and limiters of global silicate weathering. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 597-609.	0.4	119

#	ARTICLE	IF	CITATIONS
91	Fe isotope fractionation caused by translocation of iron during growth of bean and oat as models of strategy I and II plants. <i>Plant and Soil</i> , 2012, 352, 217-231.	1.8	40
92	Micrometer silicon isotope diagnostics of soils by UV femtosecond laser ablation. <i>Chemical Geology</i> , 2011, , .	1.4	10
93	Sediment production and delivery in the Amazon River basin quantified by in situ-produced cosmogenic nuclides and recent river loads. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 934-950.	1.6	111
94	Sediment production and transport from in situ-produced cosmogenic $^{10}\text{Be}$ and river loads in the Napo River basin, an upper Amazon tributary of Ecuador and Peru. <i>Journal of South American Earth Sciences</i> , 2011, 31, 45-53.	0.6	18
95	Cosmogenic $^{10}\text{Be}$ -derived denudation rates of the Eastern and Southern European Alps. <i>International Journal of Earth Sciences</i> , 2011, 100, 1163-1179.	0.9	61
96	Recycling of Amazon floodplain sediment quantified by cosmogenic $^{26}\text{Al}$ and $^{10}\text{Be}$ . <i>Geology</i> , 2011, 39, 467-470.	2.0	58
97	Meteoritic cosmogenic Beryllium-10 adsorbed to river sediment and soil: Applications for Earth-surface dynamics. <i>Earth-Science Reviews</i> , 2010, 98, 105-122.	4.0	185
98	Cosmogenic nuclide-derived rates of diffusive and episodic erosion in the glacially sculpted upper Rhone Valley, Swiss Alps. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 651-662.	1.2	53
99	Determination of the $^{10}\text{Be}$ half-life by multicollector ICP-MS and liquid scintillation counting. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2010, 268, 192-199.	0.6	740
100	Long-term stability of global erosion rates and weathering during late-Cenozoic cooling. <i>Nature</i> , 2010, 465, 211-214.	13.7	329
101	Deciphering formation processes of banded iron formations from the Transvaal and the Hamersley successions by combined Si and Fe isotope analysis using UV femtosecond laser ablation. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2677-2696.	1.6	138
102	Silicate weathering of soil-mantled slopes in an active Alpine landscape. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5243-5258.	1.6	49
103	Determining the stable Fe isotope signature of plant-available iron in soils. <i>Chemical Geology</i> , 2010, 277, 269-280.	1.4	60
104	Timing and extent of late Quaternary glaciation in the western Himalaya constrained by $^{10}\text{Be}$ moraine dating in Garhwal, India. <i>Quaternary Science Reviews</i> , 2010, 29, 815-831.	1.4	82
105	An improved experimental determination of cosmogenic $^{10}\text{Be}/^{21}\text{Ne}$ and $^{26}\text{Al}/^{21}\text{Ne}$ production ratios in quartz. <i>Earth and Planetary Science Letters</i> , 2009, 284, 187-198.	1.8	56
106	From source to sink: Preserving the cosmogenic $^{10}\text{Be}$ -derived denudation rate signal of the Bolivian Andes in sediment of the Beni and Mamoré foreland basins. <i>Earth and Planetary Science Letters</i> , 2009, 288, 463-474.	1.8	61
107	Fe isotope systematics of coexisting amphibole and pyroxene in the alkaline igneous rock suite of the Ilímaussaq Complex, South Greenland. <i>Chemical Geology</i> , 2009, 258, 65-77.	1.4	49
108	Matrix-independent Fe isotope ratio determination in silicates using UV femtosecond laser ablation. <i>Chemical Geology</i> , 2009, 268, 67-73.	1.4	52

#	ARTICLE	IF	CITATIONS
109	Micro-scale tracing of Fe and Si isotope signatures in banded iron formation using femtosecond laser ablation. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5343-5360.	1.6	131
110	Cosmogenic nuclide budgeting of floodplain sediment transfer. <i>Geomorphology</i> , 2009, 109, 246-256.	1.1	61
111	Erosion-driven uplift of the modern Central Alps. <i>Tectonophysics</i> , 2009, 474, 236-249.	0.9	124
112	Fractionation of Metal Stable Isotopes by Higher Plants. <i>Elements</i> , 2009, 5, 375-380.	0.5	77
113	Cosmogenic nuclide-based investigation of spatial erosion and hillslope channel coupling in the transient foreland of the Swiss Alps. <i>Geomorphology</i> , 2008, 95, 474-486.	1.1	82
114	The iron isotope composition of microbial carbonate. <i>Chemical Geology</i> , 2008, 249, 113-128.	1.4	52
115	In situ determination of precise stable Si isotope ratios by UV-femtosecond laser ablation high-resolution multi-collector ICP-MS. <i>Chemical Geology</i> , 2008, 249, 155-166.	1.4	78
116	The stable Cr isotope inventory of solid Earth reservoirs determined by double spike MC-ICP-MS. <i>Chemical Geology</i> , 2008, 249, 294-306.	1.4	294
117	Subsurface Filamentous Fabrics: An Evaluation of Origins Based on Morphological and Geochemical Criteria, with Implications for Exopaleontology. <i>Astrobiology</i> , 2008, 8, 87-117.	1.5	67
118	Constraining landscape development of the Sri Lankan escarpment with cosmogenic nuclides in river sediment. <i>Earth and Planetary Science Letters</i> , 2007, 253, 402-414.	1.8	67
119	The experimental calibration of the iron isotope fractionation factor between pyrrhotite and peralkaline rhyolitic melt. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 417-433.	1.6	83
120	Restoring dense vegetation can slow mountain erosion to near natural benchmark levels. <i>Geology</i> , 2007, 35, 303.	2.0	153
121	Physical and Chemical Controls on the Critical Zone. <i>Elements</i> , 2007, 3, 315-319.	0.5	214
122	Fractionation of Stable Iron Isotopes in Higher Plants. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1896-1901.	4.6	137
123	Relation between rock uplift and denudation from cosmogenic nuclides in river sediment in the Central Alps of Switzerland. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	184
124	Investigation on elemental and isotopic fractionation during 196Ånm femtosecond laser ablation multiple collector inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 410-422.	1.5	202
125	Preservation of Fe isotope heterogeneities during diagenesis and metamorphism of banded iron formation. <i>Contributions To Mineralogy and Petrology</i> , 2007, 153, 211-235.	1.2	107
126	Constraining the Denudational Response to Faulting. , 2007, , 231-272.		1



#	ARTICLE	IF	CITATIONS
127	Iron isotopes in the early marine diagenetic iron cycle. <i>Geology</i> , 2006, 34, 629.	2.0	99
128	Comment on "Analysis of Fe isotopes in sulfides and iron meteorites by laser ablation high-mass resolution multi-collector-ICP mass spectrometry" by J. Kojler, R. B. Pedersen, C. Kruber and P. J. Sylvester. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 211-213.	1.6	20
129	The control mechanisms of erosion and weathering at basin scale from cosmogenic nuclides in river sediment. <i>Earth and Planetary Science Letters</i> , 2006, 242, 224-239.	1.8	121
130	Modes of planetary-scale Fe isotope fractionation. <i>Earth and Planetary Science Letters</i> , 2006, 252, 342-359.	1.8	172
131	Iron isotope fractionation during hydrothermal ore deposition and alteration. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3011-3030.	1.6	125
132	In situ iron isotope ratio determination using UV-femtosecond laser ablation with application to hydrothermal ore formation processes. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3677-3688.	1.6	163
133	Chronology of deglaciation based on $^{10}\text{Be}$ dates of glacial erosional features in the Grimsel Pass region, central Swiss Alps. <i>Boreas</i> , 2006, 35, 634-643.	1.2	39
134	Chronology of deglaciation based on $^{10}\text{Be}$ dates of glacial erosional features in the Grimsel Pass region, central Swiss Alps. <i>Boreas</i> , 2006, 35, 634-643.	1.2	39
135	Hereditary hemochromatosis is reflected in the iron isotope composition of blood. <i>Blood</i> , 2005, 105, 3812-3816.	0.6	81
136	An assessment of the accuracy of stable Fe isotope ratio measurements on samples with organic and inorganic matrices by high-resolution multicollector ICP-MS. <i>International Journal of Mass Spectrometry</i> , 2005, 242, 257-272.	0.7	201
137	Deciphering the iron isotope message of the human body. <i>International Journal of Mass Spectrometry</i> , 2005, 242, 117-134.	0.7	88
138	The control mechanisms of erosion and weathering at basin scale from cosmogenic nuclides in river sediment. <i>Earth and Planetary Science Letters</i> , 2005, 237, 462-479.	1.8	475
139	Paleoerosion Rates from Cosmogenic $^{10}\text{Be}$ in a 1.3 Ma Terrace Sequence: Response of the River Meuse to Changes in Climate and Rock Uplift. <i>Journal of Geology</i> , 2004, 112, 127-144.	0.7	94
140	Surface exposure dating of the Great Aletsch Glacier Egesen moraine system, western Swiss Alps, using the cosmogenic nuclide $^{10}\text{Be}$ . <i>Journal of Quaternary Science</i> , 2004, 19, 431-441.	1.1	70
141	Cosmogenic nuclide evidence for low weathering and denudation in the wet, tropical highlands of Sri Lanka. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	184
142	Lithology, landscape dissection and glaciation controls on catchment erosion as determined by cosmogenic nuclides in river sediment (the Wutach Gorge, Black Forest). <i>Terra Nova</i> , 2003, 15, 398-404.	0.9	26
143	Molybdenum isotope records as a potential new proxy for paleoceanography. <i>Earth and Planetary Science Letters</i> , 2003, 211, 159-171.	1.8	464
144	Influence of periglacial cover beds on in situ-produced cosmogenic $^{10}\text{Be}$ in soil sections. <i>Geomorphology</i> , 2003, 49, 255-267.	1.1	20

#	ARTICLE	IF	CITATIONS
145	Increase of human over natural erosion rates in tropical highlands constrained by cosmogenic nuclides. <i>Geology</i> , 2003, 31, 597.	2.0	153
146	A 30â€ˆ000 yr record of erosion rates from cosmogenic <sup>10</sup> Be in Middle European river terraces. <i>Earth and Planetary Science Letters</i> , 2002, 204, 307-320.	1.8	179
147	Natural Iron Isotope Variations in Human Blood. <i>Science</i> , 2002, 295, 2065-2066.	6.0	186
148	Weathering versus circulation-controlled changes in radiogenic isotope tracer composition of the Labrador Sea and North Atlantic Deep Water. <i>Paleoceanography</i> , 2001, 16, 424-434.	3.0	88
149	Large-scale erosion rates from in situ-produced cosmogenic nuclides in European river sediments. <i>Earth and Planetary Science Letters</i> , 2001, 188, 441-458.	1.8	242
150	Lateral mixing and advection of reactive isotopetracers in ocean basins: Numerical modeling. <i>Geochemistry, Geophysics, Geosystems</i> , 2000, 1, n/a-n/a.	1.0	5
151	Syn-convergent high-temperature metamorphism and magmatism in the Variscides: a discussion of potential heat sources. <i>Geological Society Special Publication</i> , 2000, 179, 387-399.	0.8	57
152	Response of beryllium and radiogenic isotope ratios in Northern Atlantic Deep Water to the onset of northern hemisphere glaciation. <i>Earth and Planetary Science Letters</i> , 1999, 167, 175-182.	1.8	34
153	Lateral mixing and advection of reactive isotope tracers in ocean basins: observations and mechanisms. <i>Earth and Planetary Science Letters</i> , 1999, 169, 113-128.	1.8	47
154	PALEOCEANOGRAPHY:Tracing Past Ocean Circulation?. <i>Science</i> , 1999, 286, 1862b-1863.	6.0	86
155	Secular variation of Nd and Pb isotopes in ferromanganese crusts from the Atlantic, Indian and Pacific Oceans. <i>Earth and Planetary Science Letters</i> , 1998, 155, 15-28.	1.8	160
156	Thermal Controls on Slab Breakoff and the Rise of High-Pressure Rocks During Continental Collisions. <i>Petrology and Structural Geology</i> , 1998, , 97-115.	0.5	16
157	Evolution of Nd and Pb isotopes in Central Pacific seawater from ferromanganese crusts. <i>Earth and Planetary Science Letters</i> , 1997, 146, 1-12.	1.8	348
158	Global distribution of beryllium isotopes in deep ocean water as derived from Fe-Mn crusts. <i>Earth and Planetary Science Letters</i> , 1996, 141, 213-226.	1.8	97
159	Separation of <sup>9</sup> Be and cosmogenic <sup>10</sup> Be from environmental materials and SIMS isotope dilution analysis. <i>Chemical Geology</i> , 1996, 129, 93-99.	1.4	131
160	Distribution and sources of pre-anthropogenic lead isotopes in deep ocean water from FeMn crusts. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 4957-4963.	1.6	92
161	A SIMS method for <sup>10</sup> Be/ <sup>9</sup> Be ratio measurement in environmental materials. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 142, 55-67.	1.9	24
162	Slab breakoff: A model of lithosphere detachment and its test in the magmatism and deformation of collisional orogens. <i>Earth and Planetary Science Letters</i> , 1995, 129, 85-102.	1.8	1,337

#	ARTICLE	IF	CITATIONS
163	Slab breakoff: A model for syncollisional magmatism and tectonics in the Alps. <i>Tectonics</i> , 1995, 14, 120-131.	1.3	642
164	Combined high-precision chronometry and geochemical tracing using accessory minerals: applied to the Central-Alpine Bergell intrusion (central Europe). <i>Chemical Geology</i> , 1992, 100, 19-40.	1.4	175
165	Nd-, Sr-, O-isotopic and chemical evidence for a two-stage contamination history of mantle magma in the Central-Alpine Bergell intrusion. <i>Contributions To Mineralogy and Petrology</i> , 1992, 110, 33-45.	1.2	61
166	Crystallization and deformation of amphiboles, and cummingtonite-forming reactions in the garbenschists of the Western Tauern Window (Eastern Alps, northeast Italy-western Austria). <i>Lithos</i> , 1989, 23, 163-177.	0.6	3
167	Argon retentivity and argon excess in amphiboles from the garbenschists of the Western Tauern Window, Eastern Alps. <i>Contributions To Mineralogy and Petrology</i> , 1988, 100, 1-11.	1.2	51
168	HELGES: Helmholtz Laboratory for the Geochemistry of the Earth Surface. <i>Journal of Large-scale Research Facilities JLSRF</i> , 0, 2, A84.	0.0	17