

Friedhelm von Blanckenburg

List of Publications by Year in descending order

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Version: 2024-02-01

169
papers

13,743
citations

19657

61
h-index

22166

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.	3.9	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.	3.3	5
3	Deep weathering in the semi-arid Coastal Cordillera, Chile. <i>Scientific Reports</i> , 2021, 11, 13057.	3.3	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, .	7.1	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.	4.4	13
6	Deposition and retention of meteoric ^{10}Be in Holocene Taiwan river terraces. <i>Quaternary Science Reviews</i> , 2021, 265, 107048.	3.0	5
7	Didier L. Bourlès (1955–2021), the 5 MV cosmogenic rock star. <i>Quaternary Geochronology</i> , 2021, 65, 101186.	1.4	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.	3.9	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.	4.4	7
10	The Upper Limit of Denudation Rate Measurement From Cosmogenic ^{10}Be (Meteoritic)/ ^{9}Be Ratios in Taiwan. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2021JF006221.	2.8	7
11	The role of vegetation in setting strontium stable isotope ratios in the Critical Zone. <i>Numerische Mathematik</i> , 2021, 321, 1246-1283.	1.4	10
12	Rock weathering and nutrient cycling along an erodosequence. <i>Numerische Mathematik</i> , 2021, 321, 1111-1163.	1.4	14
13	L'altération des roches, thermostat de la Terre. <i>Pour la science</i> Fr, 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.	1.4	12
15	Interpreting silicon isotopes in the Critical Zone. <i>Numerische Mathematik</i> , 2021, 321, 1164-1203.	1.4	12
16	$^{10}\text{Be}/^{9}\text{Be}$ Ratios Reveal Marine Authigenic Clay Formation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086061.	4.0	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.	4.9	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.	2.8	4

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19	Strontium isotopes trace biological activity in the Critical Zone along a climate and vegetation gradient. <i>Chemical Geology</i> , 2020, 558, 119861.	3.3	23
20	Biogeochemical cycling of phosphorus in subsoils of temperate forest ecosystems. <i>Biogeochemistry</i> , 2020, 150, 313-328.	3.5	17
21	The depositional flux of meteoric cosmogenic ^{10}Be from modeling and observation. <i>Earth and Planetary Science Letters</i> , 2020, 550, 116530.	4.4	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.	2.7	5
23	A global rate of denudation from cosmogenic nuclides in the Earth's largest rivers. <i>Earth-Science Reviews</i> , 2020, 204, 103147.	9.1	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.	3.9	28
25	Denudation Rate Changes Along a Fast-Eroding Mountainous River With Slate Headwaters in Taiwan From ^{10}Be (Meteoric)/ ^9Be Ratios. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005251.	2.8	11
26	Vivianite formation in ferruginous sediments from Lake Towuti, Indonesia. <i>Biogeosciences</i> , 2020, 17, 1955-1973.	3.3	22
27	Do degree and rate of silicate weathering depend on plant productivity?. <i>Biogeosciences</i> , 2020, 17, 4883-4917.	3.3	22
28	Silicon uptake and isotope fractionation dynamics by crop species. <i>Biogeosciences</i> , 2020, 17, 6475-6490.	3.3	13
29	Calibrating a long-term meteoric ^{10}Be delivery rate into eroding western US glacial deposits by comparing meteoric and in situ produced ^{10}Be depth profiles. <i>Geochronology</i> , 2020, 2, 411-423.	2.5	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, .	1.8	41
31	Neogene cooling driven by land surface reactivity rather than increased weathering fluxes. <i>Nature</i> , 2019, 571, 99-102.	27.8	114
32	Mechanisms of olivine dissolution by rock-inhabiting fungi explored using magnesium stable isotopes. <i>Chemical Geology</i> , 2019, 525, 18-27.	3.3	16
33	Does Earth Still Offer Discoveries?. <i>Elements</i> , 2019, 15, 75-75.	0.5	0
34	Cosmogenic ^{10}Be in river sediment: where grain size matters and why. <i>Earth Surface Dynamics</i> , 2019, 7, 393-410.	2.4	30
35	Preliminary results of CoQtz-N: A quartz reference material for terrestrial in-situ cosmogenic ^{10}Be and ^{26}Al measurements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 456, 203-212.	1.4	26
36	The experimental determination of equilibrium Si isotope fractionation factors among H_4SiO_4 , H_3SiO_4^- and amorphous silica ($\text{SiO}_2 \cdot 0.32 \text{H}_2\text{O}$) at 25 and 75 $^\circ\text{C}$ using the three-isotope method. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 255, 49-68.	3.9	28

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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, .	2.3	14
38	Using stable Mg isotope signatures to assess the fate of magnesium during the in situ mineralisation of CO ₂ and H ₂ S at the CarbFix site in SW-Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 542-555.	3.9	27
39	Laser Ablation <i><i>In Situ</i></i> Silicon Stable Isotope Analysis of Phytoliths. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 77-91.	3.1	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.	3.0	5
41	Catchment-wide weathering and erosion rates of mafic, ultramafic, and granitic rock from cosmogenic meteoric ¹⁰ Be/ ⁹ Be ratios. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 618-641.	3.9	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 & Technology</i> , 2018, 52, 12216-12224.	10.0	23
44	Are seasonal variations in river-floodplain sediment exchange in the lower Amazon River basin resolvable through meteoric cosmogenic ¹⁰ Be to stable ⁹ Be ratios?. <i>Geomorphology</i> , 2018, 322, 148-158.	2.6	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.	3.3	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.	5.0	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.	5.0	64
49	Denudation rates and the degree of chemical weathering in the Ganga River basin from ratios of meteoric cosmogenic ¹⁰ Be to stable ⁹ Be. <i>Earth and Planetary Science Letters</i> , 2017, 469, 156-169.	4.4	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.	3.3	14
51	Late Neoproterozoic seawater oxygenation by siliceous sponges. <i>Nature Communications</i> , 2017, 8, 621.	12.8	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><i>Knufia petricola</i></i> at Acidic and Neutral pH. <i>Environmental Science & Technology</i> , 2017, 51, 9691-9699.	10.0	31
54	The competition between coastal trace metal fluxes and oceanic mixing from the ¹⁰ Be/ ⁹ Be ratio: Implications for sedimentary records. <i>Geophysical Research Letters</i> , 2017, 44, 8443-8452.	4.0	19

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55	Quantifying nutrient uptake as driver of rock weathering in forest ecosystems by magnesium stable isotopes. Biogeosciences, 2017, 14, 3111-3128.	3.3	71
56	Your Next Conference: Combat Greenhouse Gas Emissions and Stay at Home. Elements, 2017, 13, 371-371.	0.5	1
57	Glaciation's topographic control on Holocene erosion at the eastern edge of the Alps. Earth Surface Dynamics, 2016, 4, 895-909.	2.4	15
58	Dissolved and colloidal phosphorus fluxes in forest ecosystems – an almost blind spot in ecosystem research. Journal of Plant Nutrition and Soil Science, 2016, 179, 425-438.	1.9	125
59	Mass bias stabilization by Mg doping for Si stable isotope analysis by MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2016, 31, 2094-2100.	3.0	29
60	Development of routines for simultaneous in situ chemical composition and stable Si isotope ratio analysis by femtosecond laser ablation inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2016, 938, 33-43.	5.4	23
61	Surface ages and weathering rates from ^{10}Be (meteoric) and $^{10}\text{Be}/^9\text{Be}$: Insights from differential mass balance and reactive transport modeling. Chemical Geology, 2016, 446, 70-86.	3.3	20
62	The geological significance of cosmogenic nuclides in large lowland river basins. Earth-Science Reviews, 2016, 159, 118-141.	9.1	24
63	GEOCHEMICAL SAMPLES: BEAUTIFUL SMALL OR BETTER BIG?. Elements, 2016, 12, 155-156.	0.5	0
64	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. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2498-2528.	2.8	41
65	Stable runoff and weathering fluxes into the oceans over Quaternary climate cycles. Nature Geoscience, 2015, 8, 538-542.	12.9	87
66	Post-Miocene landscape rejuvenation at the eastern end of the Alps. Lithosphere, 2015, 7, 3-13.	1.4	18
67	The effect of Al on Si isotope fractionation investigated by silica precipitation experiments. Chemical Geology, 2015, 397, 94-105.	3.3	70
68	Mineralogical transformations set slow weathering rates in low-porosity metamorphic bedrock on mountain slopes in a tropical climate. Chemical Geology, 2015, 411, 283-298.	3.3	44
69	Effect of vegetation cover on millennial-scale landscape denudation rates in East Africa. Lithosphere, 2015, 7, 408-420.	1.4	58
70	The silicon isotope record of early silica diagenesis. Earth and Planetary Science Letters, 2015, 428, 293-303.	4.4	48
71	Transient river response, captured by channel steepness and its concavity. Geomorphology, 2015, 228, 234-243.	2.6	41
72	A preliminary study of iron isotope fractionation in marine invertebrates (chitons, Mollusca) in near-shore environments. Biogeosciences, 2014, 11, 5493-5502.	3.3	7

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73	Iron uptake and ferrokinetics in healthy male subjects of an iron-based oral phosphate binder (SBR759) labeled with the stable isotope ^{58}Fe . Metallomics, 2014, 6, 2062-2071.	2.4	4
74	An iron stable isotope comparison between human erythrocytes and plasma. Metallomics, 2014, 6, 2052-2061.	2.4	25
75	Si stable isotope fractionation during adsorption and the competition between kinetic and equilibrium isotope fractionation: Implications for weathering systems. Chemical Geology, 2014, 380, 161-171.	3.3	78
76	Cosmogenic Nuclides: Dates and Rates of Earth-Surface Change. Elements, 2014, 10, 341-346.	0.5	48
77	Element Cycling in the Critical Zone as Viewed by New Isotope Tools. Procedia Earth and Planetary Science, 2014, 10, 173-178.	0.6	6
78	Microbial Colonization of Bare Rocks: Laboratory Biofilm Enhances Mineral Weathering. Procedia Earth and Planetary Science, 2014, 10, 123-129.	0.6	29
79	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
80	River fluxes to the sea from the ocean $^{10}\text{Be}/^{9}\text{Be}$ ratio. Earth and Planetary Science Letters, 2014, 387, 34-43.	4.4	56
81	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 98, 1-18.	2.9	56
82	Slow advance of the weathering front during deep, supply-limited saprolite formation in the tropical Highlands of Sri Lanka. Geochimica Et Cosmochimica Acta, 2013, 118, 202-230.	3.9	67
83	The Iron Stable Isotope Fingerprint of the Human Diet. Journal of Agricultural and Food Chemistry, 2013, 61, 11893-11899.	5.2	26
84	A new beam profile monitor and time of flight system for CologneAMS. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 410-415.	1.4	4
85	CologneAMS, a dedicated center for accelerator mass spectrometry in Germany. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 18-23.	1.4	98
86	Modeling novel stable isotope ratios in the weathering zone. Numerische Mathematik, 2013, 313, 267-308.	1.4	125
87	The first year of operation of CologneAMS; performance and developments. EPJ Web of Conferences, 2013, 63, 03006.	0.3	11
88	Isotope fractionation between dissolved and suspended particulate Fe in the oxic and anoxic water column of the Baltic Sea. Biogeosciences, 2013, 10, 233-245.	3.3	36
89	Earth surface erosion and weathering from the ^{10}Be (meteoric)/ ^{9}Be ratio. Earth and Planetary Science Letters, 2012, 351-352, 295-305.	4.4	88
90	The dependence of meteoric ^{10}Be concentrations on particle size in Amazon River bed sediment and the extraction of reactive $^{10}\text{Be}/^{9}\text{Be}$ ratios. Chemical Geology, 2012, 318-319, 126-138.	3.3	71

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91	Soils as pacemakers and limiters of global silicate weathering. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 597-609.	1.2	119
92	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.	3.7	40
93	Micrometer silicon isotope diagnostics of soils by UV femtosecond laser ablation. <i>Chemical Geology</i> , 2011, , .	3.3	10
94	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.	3.3	111
95	Sediment production and transport from in situ-produced cosmogenic ^{10}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.	1.4	18
96	Cosmogenic ^{10}Be -derived denudation rates of the Eastern and Southern European Alps. <i>International Journal of Earth Sciences</i> , 2011, 100, 1163-1179.	1.8	61
97	Recycling of Amazon floodplain sediment quantified by cosmogenic ^{26}Al and ^{10}Be . <i>Geology</i> , 2011, 39, 467-470.	4.4	58
98	Meteoritic cosmogenic Beryllium-10 adsorbed to river sediment and soil: Applications for Earth-surface dynamics. <i>Earth-Science Reviews</i> , 2010, 98, 105-122.	9.1	185
99	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.	2.5	53
100	Determination of the ^{10}Be half-life by multicollector ICP-MS and liquid scintillation counting. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 192-199.	1.4	740
101	Long-term stability of global erosion rates and weathering during late-Cenozoic cooling. <i>Nature</i> , 2010, 465, 211-214.	27.8	329
102	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.	3.9	138
103	Silicate weathering of soil-mantled slopes in an active Alpine landscape. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5243-5258.	3.9	49
104	Determining the stable Fe isotope signature of plant-available iron in soils. <i>Chemical Geology</i> , 2010, 277, 269-280.	3.3	60
105	Timing and extent of late Quaternary glaciation in the western Himalaya constrained by ^{10}Be moraine dating in Garhwal, India. <i>Quaternary Science Reviews</i> , 2010, 29, 815-831.	3.0	82
106	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.	4.4	56
107	From source to sink: Preserving the cosmogenic ^{10}Be -derived denudation rate signal of the Bolivian Andes in sediment of the Beni and Mamor�� foreland basins. <i>Earth and Planetary Science Letters</i> , 2009, 288, 463-474.	4.4	61
108	Fe isotope systematics of coexisting amphibole and pyroxene in the alkaline igneous rock suite of the Il��maussaq Complex, South Greenland. <i>Chemical Geology</i> , 2009, 258, 65-77.	3.3	49

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109	Matrix-independent Fe isotope ratio determination in silicates using UV femtosecond laser ablation. <i>Chemical Geology</i> , 2009, 268, 67-73.	3.3	52
110	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.	3.9	131
111	Cosmogenic nuclide budgeting of floodplain sediment transfer. <i>Geomorphology</i> , 2009, 109, 246-256.	2.6	61
112	Erosion-driven uplift of the modern Central Alps. <i>Tectonophysics</i> , 2009, 474, 236-249.	2.2	124
113	Fractionation of Metal Stable Isotopes by Higher Plants. <i>Elements</i> , 2009, 5, 375-380.	0.5	77
114	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.	2.6	82
115	The iron isotope composition of microbial carbonate. <i>Chemical Geology</i> , 2008, 249, 113-128.	3.3	52
116	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.	3.3	78
117	The stable Cr isotope inventory of solid Earth reservoirs determined by double spike MC-ICP-MS. <i>Chemical Geology</i> , 2008, 249, 294-306.	3.3	294
118	Subsurface Filamentous Fabrics: An Evaluation of Origins Based on Morphological and Geochemical Criteria, with Implications for Exopaleontology. <i>Astrobiology</i> , 2008, 8, 87-117.	3.0	67
119	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.	4.4	67
120	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.	3.9	83
121	Restoring dense vegetation can slow mountain erosion to near natural benchmark levels. <i>Geology</i> , 2007, 35, 303.	4.4	153
122	Physical and Chemical Controls on the Critical Zone. <i>Elements</i> , 2007, 3, 315-319.	0.5	214
123	Fractionation of Stable Iron Isotopes in Higher Plants. <i>Environmental Science & Technology</i> , 2007, 41, 1896-1901.	10.0	137
124	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
125	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.	2.9	202
126	Preservation of Fe isotope heterogeneities during diagenesis and metamorphism of banded iron formation. <i>Contributions To Mineralogy and Petrology</i> , 2007, 153, 211-235.	3.1	107

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127	Constraining the Denudational Response to Faulting. , 2007, , 231-272.		1
128	Iron isotopes in the early marine diagenetic iron cycle. <i>Geology</i> , 2006, 34, 629.	4.4	99
129	Comment on "Analysis of Fe isotopes in sulfides and iron meteorites by laser ablation high-mass resolution multi-collector-ICP mass spectrometry" by J. Kôşiler, R. B. Pedersen, C. Kruber and P. J. Sylvester. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 211-213.	3.0	20
130	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.	4.4	121
131	Modes of planetary-scale Fe isotope fractionation. <i>Earth and Planetary Science Letters</i> , 2006, 252, 342-359.	4.4	172
132	Iron isotope fractionation during hydrothermal ore deposition and alteration. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3011-3030.	3.9	125
133	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.	3.9	163
134	Chronology of deglaciation based on ^{10}Be dates of glacial erosional features in the Grimsel Pass region, central Swiss Alps. <i>Boreas</i> , 2006, 35, 634-643.	2.4	39
135	Chronology of deglaciation based on ^{10}Be dates of glacial erosional features in the Grimsel Pass region, central Swiss Alps. <i>Boreas</i> , 2006, 35, 634-643.	2.4	39
136	Hereditary hemochromatosis is reflected in the iron isotope composition of blood. <i>Blood</i> , 2005, 105, 3812-3816.	1.4	81
137	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.	1.5	201
138	Deciphering the iron isotope message of the human body. <i>International Journal of Mass Spectrometry</i> , 2005, 242, 117-134.	1.5	88
139	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.	4.4	475
140	Paleoerosion Rates from Cosmogenic ^{10}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.	1.4	94
141	Surface exposure dating of the Great Aletsch Glacier Egesen moraine system, western Swiss Alps, using the cosmogenic nuclide ^{10}Be . <i>Journal of Quaternary Science</i> , 2004, 19, 431-441.	2.1	70
142	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
143	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.	2.1	26
144	Molybdenum isotope records as a potential new proxy for paleoceanography. <i>Earth and Planetary Science Letters</i> , 2003, 211, 159-171.	4.4	464

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145	Influence of periglacial cover beds on in situ-produced cosmogenic ^{10}Be in soil sections. <i>Geomorphology</i> , 2003, 49, 255-267.	2.6	20
146	Increase of human over natural erosion rates in tropical highlands constrained by cosmogenic nuclides. <i>Geology</i> , 2003, 31, 597.	4.4	153
147	A 30â€™000 yr record of erosion rates from cosmogenic ^{10}Be in Middle European river terraces. <i>Earth and Planetary Science Letters</i> , 2002, 204, 307-320.	4.4	179
148	Natural Iron Isotope Variations in Human Blood. <i>Science</i> , 2002, 295, 2065-2066.	12.6	186
149	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
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