Marcus Christl

List of Publications by Year
in descending order

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		87888	79698
241	7,527	38	73
papers	citations	h-index	g-index

289	289	289	7603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Continuous 25-yr aerosol records at coastal Antarctica: Part 2: variability of the radionuclides ⁷Be, ¹⁰Be and ²¹⁰Pb. Tellus, Series B: Chemical and Physical Meteorology, 2022, 63, 920.	1.6	27
2	Rapid post-glacial bedrock weathering in coastal Norway. Geomorphology, 2022, 397, 108003.	2.6	1
3	Quaternary landscape evolution in the Western Argentine Precordillera constrained by 10Be cosmogenic dating. Geomorphology, 2022, 396, 107984.	2.6	5
4	De-icing landsystem model for the Universidad Glacier (34Â° S) in the Central Andes of Chile during the past ~660Âyears. Geomorphology, 2022, 400, 108096.	2.6	3
5	Source to sink analysis of weathering fluxes in Lake Baikal and its watershed based on riverine fluxes, elemental lake budgets, REE patterns, and radiogenic (Nd, Sr) and 10Be/9Be isotopes. Geochimica Et Cosmochimica Acta, 2022, 321, 133-154.	3.9	4
6	Cosmogenic radionuclides reveal an extreme solar particle storm near a solar minimum 9125 years BP. Nature Communications, 2022, 13, 214.	12.8	24
7	Age of the Most Extensive Glaciation in the Alps. Geosciences (Switzerland), 2022, 12, 39.	2.2	6
8	Reconstructing the depositional history of Pleistocene fluvial deposits based on grain size, elemental geochemistry and in-situ 10Be data. Geomorphology, 2022, 402, 108127.	2.6	3
9	The Ticino-Toce glacier system (Swiss-Italian Alps) in the framework of the Alpine Last Glacial Maximum. Quaternary Science Reviews, 2022, 279, 107400.	3.0	23
10	Tree-rings reveal two strong solar proton events in 7176 and 5259 BCE. Nature Communications, 2022, 13, 1196.	12.8	21
11	Direct search for primordial 244Pu in Bayan Obo bastnaesite. Chinese Chemical Letters, 2022, 33, 3522-3526.	9.0	6
12	Early Pleistocene complex cut-and-fill sequences in the Alps. Swiss Journal of Geosciences, 2022, 115, .	1.2	1
13	In-phase millennial-scale glacier changes in the tropics and North Atlantic regions during the Holocene. Nature Communications, 2022, 13, 1419.	12.8	19
14	The Potential of ²³³U/²³⁶U as a Water Mass Tracer in the Arctic Ocean. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	10
15	Contrasting soil dynamics in a formerly glaciated and non-glaciated Mediterranean mountain plateau (Serra da Estrela, Portugal). Catena, 2022, 215, 106314.	5.0	3
16	Spatio-temporal variability and controlling factors for postglacial denudation rates in the Dora Baltea catchment (western Italian Alps). Earth Surface Dynamics, 2022, 10, 493-512.	2.4	1
17	Passive Sampling Tool for Actinides in Spent Nuclear Fuel Pools. ACS Omega, 2022, 7, 20053-20058.	3.5	4
18	Bioavailable actinide fluxes to the Irish Sea from Sellafield-labelled sediments. Water Research, 2022, 221, 118838.	11.3	3

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19	10 Be surface exposure dating reveals unexpected high deformation rates in the central Andean wedge interior. Terra Nova, 2021, 33, 30-45.	2.1	1
20	Regional-scale abrupt Mid-Holocene ice sheet thinning in the western Ross Sea, Antarctica. Geology, 2021, 49, 278-282.	4.4	13
21	236U, 237Np and 239,240Pu as complementary fingerprints of radioactiveeffluents in the western Mediterranean Sea and in the Canada Basin (Arctic Ocean). Science of the Total Environment, 2021, 765, 142741.	8.0	8
22	Glacial erosion by the Trift glacier (Switzerland): Deciphering the development of riegels, rock basins and gorges. Geomorphology, 2021, 375, 107533.	2.6	8
23	Local and global trace plutonium contributions in fast breeder legacy soils. Nature Communications, 2021, 12, 1381.	12.8	6
24	Last Lateglacial glacier advance in the Gran Paradiso Group reveals relatively drier climatic conditions established in the Western Alps since at least the Younger Dryas. Quaternary Science Reviews, 2021, 255, 106815.	3.0	15
25	Deciphering the evolution of the Bleis Marscha rock glacier (Val d'Err, eastern Switzerland) with cosmogenic nuclide exposure dating, aerial image correlation, and finite element modeling. Cryosphere, 2021, 15, 2057-2081.	3.9	13
26	Cosmogenic in situ 14C-10Be reveals abrupt Late Holocene soil loss in the Andean Altiplano. Nature Communications, 2021, 12, 2546.	12.8	17
27	Drainage basin dynamics during the transition from early to mature orogeny in Southern Taiwan. Earth and Planetary Science Letters, 2021, 562, 116874.	4.4	15
28	Ultrasensitive Analytical Method for Direct Search of Primordial 244Pu in Bastnaesite. ACS Earth and Space Chemistry, 2021, 5, 1316-1324.	2.7	4
29	Quaternary landscape evolution of patagonia at the Chilean Triple Junction: Climate and tectonic forcings. Quaternary Science Reviews, 2021, 261, 106960.	3.0	4
30	Tracing erosion rates in loess landscape of the Trzebnica Hills (Poland) over time using fallout and cosmogenic nuclides. Journal of Soils and Sediments, 2021, 21, 2952.	3.0	12
31	²³⁶U/²³⁸U Analysis of Femtograms of ²³⁶U by MC-ICPMS. Analytical Chemistry, 2021, 93, 8442-8449.	6.5	4
32	Cosmogenic and Geological Evidence for the Occurrence of a Ma-Long Feedback between Uplift and Denudation, Chur Region, Swiss Alps. Geosciences (Switzerland), 2021, 11, 339.	2.2	2
33	Muted multidecadal climate variability in central Europe during cold stadial periods. Nature Geoscience, 2021, 14, 651-658.	12.9	18
34	10Be and 14C data provide insight on soil mass redistribution along gentle slopes and reveal ancient human impact. Journal of Soils and Sediments, 2021, 21, 3770-3788.	3.0	2
35	Complex patterns of schist tor exposure and surface uplift, Otago (New Zealand). Geomorphology, 2021, 389, 107849.	2.6	4
36	Initial tests of 26Al fluoride target matrix on MILEA AMS system. Nuclear Instruments & Methods in Physics Research B, 2021, 503, 45-52.	1.4	2

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37	Transformation of high-relief canyon topography by an ancient rock avalanche, Hop Valley, Zion National Park, Utah, USA. Holocene, 2021, 31, 720-731.	1.7	0
38	Circulation timescales of Atlantic Water in the Arctic Ocean determined from anthropogenic radionuclides. Ocean Science, 2021, 17, 111-129.	3.4	20
39	Eleven-year solar cycles over the last millennium revealed by radiocarbon in tree rings. Nature Geoscience, 2021, 14, 10-15.	12.9	97
40	Delayed Western Gotland Basin (Baltic Sea) ventilation in response to the onset of a Mid-Holocene climate oscillation. Quaternary Science Reviews, 2021, 273, 107253.	3.0	0
41	The potential for a continuous 10Be record measured on ice chips from a borehole. Results in Geochemistry, 2021, 5, 100012.	0.8	6
42	A record of ²⁴¹Am, ²³⁶U, ²³⁸U, ²³⁹Pu, ²⁴⁰Pu, ¹³⁴Cs and ¹³⁷Cs in surface seawater and ²⁴¹Am in aerosols shortly after the FDNPP incident occurred. Geochemical Journal, 2021, 55, 33-38.	1.0	2
43	Retreat of the Great Escarpment of Madagascar From Geomorphic Analysis and Cosmogenic ¹⁰Be Concentrations. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009979.	2.5	8
44	Mid-Holocene thinning of David Glacier, Antarctica: chronology and controls. Cryosphere, 2021, 15, 5447-5471.	3.9	8
45	Geodynamic importance of the strike-slip faults at the eastern part of the Anatolian Scholle: Inferences from the uplift and slip rate of the Malatya Fault (Malatya-OvacÄ±k Fault Zone, eastern) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	8
46	Soil denudation rates in an oldâ€growth mountain temperate forest driven by tree uprooting dynamics, Central Europe. Land Degradation and Development, 2020, 31, 222-239.	3.9	17
47	The impact of stormâ€triggered landslides on sediment dynamics and catchmentâ€wide denudation rates in the southern Central Range of Taiwan following the extreme rainfall event of Typhoon Morakot. Earth Surface Processes and Landforms, 2020, 45, 548-564.	2.5	14
48	¹⁰Be/⁹Be Ratios Reveal Marine Authigenic Clay Formation. Geophysical Research Letters, 2020, 47, e2019GL086061.	4.0	14
49	Timing and flow pattern of the Orta Glacier (European Alps) during the Last Glacial Maximum. Boreas, 2020, 49, 315-332.	2.4	21
50	Unravelling Quasi-Continuous 14C Profiles by Laser Ablation AMS. Radiocarbon, 2020, 62, 453-465.	1.8	5
51	Postglacial erosion of bedrock surfaces and deglaciation timing: New insights from the Mont Blanc massif (western Alps). Geology, 2020, 48, 139-144.	4.4	25
52	Evaluating debrisâ€flow and anthropogenic disturbance on ¹⁰Be concentration in mountain drainage basins: implications for functional connectivity and denudation rates across time scales. Earth Surface Processes and Landforms, 2020, 45, 3955-3974.	2.5	2
53	Landscape evolution, post-LGM surface denudation and soil weathering processes from Dickinson Park mire, Wind River Range, Wyoming (USA). Geomorphology, 2020, 371, 107433.	2.6	0
54	Lagged atmospheric circulation response in the Black Sea region to Greenland Interstadial 10. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28649-28654.	7.1	4

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55	Build-up and chronology of blue ice moraines in Queen Maud Land, Antarctica. Quaternary Science Advances, 2020, 2, 100012.	1.9	4
56	Late-Pleistocene catchment-wide denudation patterns across the European Alps. Earth-Science Reviews, 2020, 211, 103407.	9.1	32
57	Integrated multi-temporal analysis of the displacement behaviour and morphology of a deep-seated compound landslide (Cerentino, Switzerland). Engineering Geology, 2020, 270, 105577.	6.3	8
58	Tracking rockglacier evolution in the Eastern Alps from the Lateglacial to the early Holocene. Quaternary Science Reviews, 2020, 241, 106424.	3.0	23
59	Electron spin resonance (ESR), optically stimulated luminescence (OSL) and terrestrial cosmogenic radionuclide (TCN) dating of quartz from a Plio-Pleistocene sandy formation in the Campine area, NE Belgium. Quaternary International, 2020, 556, 144-158.	1.5	10
60	Impact of nuclear fuel reprocessing on the temporal evolution of marine radiocarbon. Science of the Total Environment, 2020, 738, 139700.	8.0	4
61	Latest Pleistocene glacier advances and post-Younger Dryas rock glacier stabilization in the Mt. KrivÃ¡Åˆ group, High Tatra Mountains, Slovakia. Geomorphology, 2020, 358, 107093.	2.6	25
62	Unravelling 5 decades of anthropogenic 236U discharge from nuclear reprocessing plants. Science of the Total Environment, 2020, 717, 137094.	8.0	29
63	Relating the spatial variability of chemical weathering and erosion to geological and topographical zones. Geomorphology, 2020, 363, 107235.	2.6	23
64	The role of frost cracking in local denudation of steep Alpine rockwalls over millennia (Eiger,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	2.4	11
65	Timing of exotic, far-traveled boulder emplacement and paleo-outburst flooding in the central Himalayas. Earth Surface Dynamics, 2020, 8, 769-787.	2.4	19
66	Development of a multi-method chronology spanning the Last Glacial Interval from Orakei maar lake, Auckland, New Zealand. Geochronology, 2020, 2, 367-410.	2.5	7
67	Calibrating a long-term meteoric ¹⁰Be delivery rate into eroding western US glacial deposits by comparing meteoric and in situ produced ¹⁰Be depth profiles. Geochronology, 2020, 2, 411-423.	2.5	2
68	ColPuS, a new multi-isotope plutonium standard for Accelerator Mass Spectrometry. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 189-192.	1.4	6
69	Effective separation of Am(III) and Cm(III) using a DGA resin via the selective oxidation of Am(III) to Am(V). Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 227-233.	1.5	10
70	A novel chronometry technique for dating irradiated uranium fuels using Cm isotopic ratios. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1611-1620.	1.5	6
71	Spatio-temporal dynamics of sediment transfer systems in landslide-prone Alpine catchments. Solid Earth, 2019, 10, 1489-1503.	2.8	18
72	Spatial patterns of erosion and landscape evolution in a bivergent metamorphic core complex revealed by cosmogenic 10Be: The central Menderes Massif (western Turkey). , 2019, 15, 1846-1868.		6

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73	Differential erosion and sediment fluxes in the Landquart basin and possible relationships to lithology and tectonic controls. Swiss Journal of Geosciences, 2019, 112, 453-473.	1.2	8
74	Climate and reliefâ€induced controls on the temporal variability of denudation rates in a granitic upland. Earth Surface Processes and Landforms, 2019, 44, 2570-2586.	2.5	21
75	Preliminary results of CoQtz-N: A quartz reference material for terrestrial in-situ cosmogenic 10Be and 26Al measurements. Nuclear Instruments & Methods in Physics Research B, 2019, 456, 203-212.	1.4	26
76	Distribution of 236U in the U.S. GEOTRACES Eastern Pacific Zonal Transect and its use as a water mass tracer. Chemical Geology, 2019, 517, 44-57.	3.3	15
77	The ¹⁰Be deglaciation chronology of the GÃ¶schenertal, central Swiss Alps, and new insights into the GÃ¶schenen Cold Phases. Boreas, 2019, 48, 867-878.	2.4	10
78	Tracing the temporal evolution of soil redistribution rates in an agricultural landscape using ²³⁹⁺²⁴⁰Pu and ¹⁰Be. Earth Surface Processes and Landforms, 2019, 44, 1783-1798.	2.5	25
79	Multiradionuclide evidence for an extreme solar proton event around 2,610 B.P. (âˆ¼660 BC). Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5961-5966.	7.1	63
80	Lateglacial and Early Holocene glacier stages - New dating evidence from the Meiental in central Switzerland. Geomorphology, 2019, 340, 15-31.	2.6	16
81	Shortâ€time (<10 ka) denudation rates as a marker of active folding in the Zagros Fold Belt (Iran). Terra Nova, 2019, 31, 111-119.	2.1	6
82	Laser ablationâ€“accelerator mass spectrometry reveals complete bomb 14C signal in an otolith with confirmation of 60-year longevity for red snapper (Lutjanus campechanus). Marine and Freshwater Research, 2019, 70, 1768.	1.3	12
83	Chemical Versus Mechanical Denudation in Metaâ€Clastic and Carbonate Bedrock Catchments on Crete, Greece, and Mechanisms for Steep and High Carbonate Topography. Journal of Geophysical Research F: Earth Surface, 2019, 124, 2943-2961.	2.8	12
84	Changes in landscape evolution patterns in the northern Swiss Alpine Foreland during the mid-Pleistocene revolution. Bulletin of the Geological Society of America, 2019, 131, 2056-2078.	3.3	12
85	Postglacial to Holocene landscape evolution and process rates in steep alpine catchments. Earth Surface Processes and Landforms, 2019, 44, 242-258.	2.5	8
86	Proof-of-principle of a compact 300â€kV multi-isotope AMS facility. Nuclear Instruments & Methods in Physics Research B, 2019, 439, 84-89.	1.4	21
87	Possible climatic controls on the accumulation of Peru's most prominent alluvial fan: The Lima Conglomerate. Earth Surface Processes and Landforms, 2019, 44, 991-1003.	2.5	5
88	Tracing Atlantic Waters Using ¹²⁹I and ²³⁶U in the Fram Strait in 2016. Journal of Geophysical Research: Oceans, 2019, 124, 882-896.	2.6	25
89	Fluvial dynamics and ¹⁴Câ€¹⁰Be disequilibrium on the Bolivian Altiplano. Earth Surface Processes and Landforms, 2019, 44, 766-780.	2.5	8
90	10Be-inferred paleo-denudation rates imply that the mid-Miocene western central Andes eroded as slowly as today. Scientific Reports, 2018, 8, 2299.	3.3	14

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91	10Be surface exposure dating of the last deglaciation in the Aare Valley, Switzerland. Swiss Journal of Geosciences, 2018, 111, 295-303.	1.2	14
92	Palaeoclimate, glacier and treeline reconstruction based on geomorphic evidences in the Mongun-Taiga massif (south-eastern Russian Altai) during the Late Pleistocene and Holocene. Quaternary International, 2018, 470, 26-37.	1.5	22
93	Reduced sediment supply in a fast eroding landscape? A multi-proxy sediment budget of the upper RhÃ´ne basin, Central Alps. Sedimentary Geology, 2018, 375, 105-119.	2.1	31
94	Identifying slope processes over time and their imprint in soils of mediumâ€high mountains of Central Europe (the Karkonosze Mountains, Poland). Earth Surface Processes and Landforms, 2018, 43, 1195-1212.	2.5	23
95	Marine radioecology after the Fukushima Dai-ichi nuclear accident: Are we better positioned to understand the impact of radionuclides in marine ecosystems?. Science of the Total Environment, 2018, 618, 80-92.	8.0	39
96	Catchment-wide weathering and erosion rates of mafic, ultramafic, and granitic rock from cosmogenic meteoric 10Be/9Be ratios. Geochimica Et Cosmochimica Acta, 2018, 222, 618-641.	3.9	31
97	New geomorphological and chronological constraints for glacial deposits in the Rivoliâ€Avigliana endâ€moraine system and the lower Susa Valley (Western Alps, NW Italy). Journal of Quaternary Science, 2018, 33, 550-562.	2.1	32
98	A Comparison of Î³-ray Spectroscopy with Accelerator Mass Spectrometry for the Environmental Assay of Plutonium. , 2018, , .		1
99	Timing of rockfalls in the Mont Blanc massif (Western Alps): evidence from surface exposure dating with cosmogenic 10Be. Landslides, 2018, 15, 1991-2000.	5.4	24
100	Tracing the Three Atlantic Branches Entering the Arctic Ocean With ¹²⁹I and ²³⁶U. Journal of Geophysical Research: Oceans, 2018, 123, 6909-6921.	2.6	38
101	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. Nature Communications, 2018, 9, 3605.	12.8	98
102	Tracing water masses with ¹²⁹I and ²³⁶U in the subpolar North Atlantic along the GEOTRACES GA01 section. Biogeosciences, 2018, 15, 5545-5564.	3.3	22
103	Last glacial maximum glaciers in the Northern Apennines reflect primarily the influence of southerly storm-tracks in the western Mediterranean. Quaternary Science Reviews, 2018, 197, 352-367.	3.0	25
104	Chronology of alluvial terrace sediment accumulation and incision in the Pativilca Valley, western Peruvian Andes. Geomorphology, 2018, 315, 45-56.	2.6	8
105	The GEOTRACES Intermediate Data Product 2017. Chemical Geology, 2018, 493, 210-223.	3.3	257
106	Uâ€“Th and ¹⁰Be constraints on sediment recycling in proglacial settings, Lago Buenos Aires, Patagonia. Earth Surface Dynamics, 2018, 6, 121-140.	2.4	15
107	Revised Quaternary glacial succession and post-LGM recession, southern Wind River Range, Wyoming, USA. Quaternary Science Reviews, 2018, 192, 167-184.	3.0	19
108	Evolution of soil erosion rates in alpine soils of the Central Rocky Mountains using fallout Pu and Î´13C. Earth and Planetary Science Letters, 2018, 496, 257-269.	4.4	27

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109	Holocene evolution of the Triftje- and the Oberseegletscher (Swiss Alps) constrained with 10Be exposure and radiocarbon dating. Swiss Journal of Geosciences, 2018, 111, 117-131.	1.2	13
110	Denudation variability of the <scp>S</scp>ila <scp>M</scp>assif upland (<scp>I</scp>taly) from decades to millennia using <scp>¹⁰Be</scp> and ²³⁹⁺²⁴⁰<scp>Pu</scp>. Land Degradation and Development, 2018, 29, 3736-3752.	3.9	33
111	Presence of 236U and 239,240Pu in soils from Southern Hemisphere. Journal of Environmental Radioactivity, 2018, 192, 478-484.	1.7	14
112	Piecing together the Lateglacial advance phases of the Reussgletscher (central Swiss Alps). Geographica Helvetica, 2018, 73, 241-252.	0.8	4
113	Reconsidering the origin of the Sedrun fans (GraubÃ¼nden, Switzerland). E&G Quaternary Science Journal, 2018, 67, 17-23.	0.7	1
114	Exposure dating of a pronounced glacier advance at the onset of the late-Holocene in the central Tyrolean Alps. Holocene, 2017, 27, 1350-1358.	1.7	11
115	Constant denudation rates in a high alpine catchment for the last 6 kyrs. Earth Surface Processes and Landforms, 2017, 42, 1065-1077.	2.5	13
116	Soil formation and weathering in a permafrost environment of the Swiss Alps: a multiâ€parameter and nonâ€steadyâ€state approach. Earth Surface Processes and Landforms, 2017, 42, 814-835.	2.5	23
117	Millennial scale variability of denudation rates for the last 15 kyr inferred from the detrital ¹⁰Be record of Lake Stappitz in the Hohe Tauern massif, Austrian Alps. Holocene, 2017, 27, 1914-1927.	1.7	14
118	Radionuclide pollution inside the Fukushima Daiichi exclusion zone, part 2: Forensic search for the â€œForgottenâ€•contaminants Uranium-236 and plutonium. Applied Geochemistry, 2017, 85, 194-200.	3.0	33
119	Anthropogenic 236U and 129I in the Mediterranean Sea: First comprehensive distribution and constrain of their sources. Science of the Total Environment, 2017, 593-594, 745-759.	8.0	26
120	Evidence of plutonium bioavailability in pristine freshwaters of a karst system of the Swiss Jura Mountains. Geochimica Et Cosmochimica Acta, 2017, 206, 30-39.	3.9	5
121	Regional mid-Pleistocene glaciation in central Patagonia. Quaternary Science Reviews, 2017, 164, 77-94.	3.0	35
122	Constraints on Water Reservoir Lifetimes From Catchmentâ€Wide ¹⁰Be Erosion Ratesâ€”A Case Study From Western Turkey. Water Resources Research, 2017, 53, 9206-9224.	4.2	7
123	Anthropogenic ²³⁶U in the North Sea â€“ A Closer Look into a Source Region. Environmental Science & Technology, 2017, 51, 12146-12153.	10.0	26
124	Erosion rates across space and timescales from a multi-proxy study of rivers of eastern Taiwan. Global and Planetary Change, 2017, 157, 174-193.	3.5	30
125	Double response of glaciers in the Upper Peio Valley (Rhaetian Alps, Italy) to the Younger Dryas climatic deterioration. Boreas, 2017, 46, 783-798.	2.4	18
126	Isochronâ€burial dating of glaciofluvial deposits: First results from the Swiss Alps. Earth Surface Processes and Landforms, 2017, 42, 2414-2425.	2.5	36

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127	Optimizing the analyte introduction for 14C laser ablation-AMS. Journal of Analytical Atomic Spectrometry, 2017, 32, 1813-1819.	3.0	8
128	Long-term soil erosion derived from in-situ 10Be and inventories of meteoric 10Be in deeply weathered soils in southern Brazil. Chemical Geology, 2017, 466, 380-388.	3.3	20
129	Potential Releases of ¹²⁹I, ²³⁶U, and Pu Isotopes from the Fukushima Dai-ichi Nuclear Power Plants to the Ocean from 2013 to 2015. Environmental Science & Technology, 2017, 51, 9826-9835.	10.0	35
130	Environmental controls on ¹⁰Beâ€based catchmentâ€averaged denudation rates along the western margin of the Peruvian Andes. Terra Nova, 2017, 29, 282-293.	2.1	16
131	The competition between coastal trace metal fluxes and oceanic mixing from the ¹⁰Be/⁹Be ratio: Implications for sedimentary records. Geophysical Research Letters, 2017, 44, 8443-8452.	4.0	19
132	Climatic and Tectonic forcing on alluvial fans in the Southern Central Andes. Quaternary Science Reviews, 2017, 172, 131-141.	3.0	25
133	^{239,240}Pu and ²³⁶U records of an ice core from the eastern Tien Shan (Central Asia). Journal of Glaciology, 2017, 63, 929-935.	2.2	17
134	Lateglacial retreat chronology of the Scandinavian Ice Sheet in Finnmark, northern Norway, reconstructed from surface exposure dating of major end moraines. Quaternary Science Reviews, 2017, 177, 130-144.	3.0	19
135	Late Pleistocene â€“ Holocene surface processes and landscape evolution in the central Swiss Alps. Geomorphology, 2017, 295, 306-322.	2.6	15
136	Late Cenozoic cooling history of the central Menderes Massif: Timing of the BÃ¼yÃ¼k Menderes detachment and the relative contribution of normal faulting and erosion to rock exhumation. Tectonophysics, 2017, 717, 585-598.	2.2	19
137	Subglacial abrasion rates at Goldbergkees, Hohe Tauern, Austria, determined from cosmogenic ¹⁰Be and ³⁶Cl concentrations. Earth Surface Processes and Landforms, 2017, 42, 1119-1131.	2.5	12
138	Scavenged 239Pu, 240Pu, and 241Am from snowfalls in the atmosphere settling on Mt. Zugspitze in 2014, 2015 and 2016. Scientific Reports, 2017, 7, 11848.	3.3	4
139	Bayesian inversion of a CRN depth profile to infer Quaternary erosion of the northwestern Campine Plateau (NE Belgium). Earth Surface Dynamics, 2017, 5, 331-345.	2.4	12
140	¹⁰Be systematics in the Tsangpo-Brahmaputra catchment: the cosmogenic nuclide legacy of the eastern Himalayan syntaxis. Earth Surface Dynamics, 2017, 5, 429-449.	2.4	35
141	¹⁰Be depth profiles in glacial sediments on the Swiss Plateau: deposition age, denudation and (pseudo-) inheritance. E&G Quaternary Science Journal, 2017, 66, 57-68.	0.7	3
142	NEW ¹⁰BE EXPOSURE AGES FOR PLEISTOCENE GLACIAL STRATIGRAPHY, SOUTHERN WIND RIVER RANGE, WYOMING, USA. , 2017, , .		0
143	Glaciation's topographic control on Holocene erosion at the eastern edge of the Alps. Earth Surface Dynamics, 2016, 4, 895-909.	2.4	15
144	Landslide deposits as stratigraphical markers for a sequenceâ€based glacial stratigraphy: a case study of a Younger Dryas system in the Eastern Alps. Boreas, 2016, 45, 537-551.	2.4	20

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145	Novel Laser Ablation Sampling Device for the Rapid Radiocarbon Analysis of Carbonate Samples by Accelerator Mass Spectrometry. Radiocarbon, 2016, 58, 419-435.	1.8	10
146	Deep water provenance and dynamics of the (de)glacial Atlantic meridional overturning circulation. Earth and Planetary Science Letters, 2016, 445, 68-78.	4.4	88
147	Dating the onset of LGM ice surface lowering in the High Alps. Quaternary Science Reviews, 2016, 143, 37-50.	3.0	87
148	Probing the Kinetic Parameters of Plutoniumâ€“Naturally Occurring Organic Matter Interactions in Freshwaters Using the Diffusive Gradients in Thin Films Technique. Environmental Science & Technology, 2016, 50, 5103-5110.	10.0	14
149	Spatial and temporal variations in denudation rates derived from cosmogenic nuclides in four European fluvial terrace sequences. Geomorphology, 2016, 274, 180-192.	2.6	20
150	Laser Ablation â€“ Accelerator Mass Spectrometry: An Approach for Rapid Radiocarbon Analyses of Carbonate Archives at High Spatial Resolution. Analytical Chemistry, 2016, 88, 8570-8576.	6.5	21
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152	Timing of European fluvial terrace formation and incision rates constrained by cosmogenic nuclide dating. Earth and Planetary Science Letters, 2016, 451, 221-231.	4.4	33
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