

# Marcus Christl

## List of Publications by Citations

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242  
papers

5,613  
citations

35  
h-index

65  
g-index

289  
ext. papers

6,640  
ext. citations

4.7  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
242	9,400 years of cosmic radiation and solar activity from ice cores and tree rings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5967-71	11.5	430
241	Latest Pleistocene and Holocene glacier variations in the European Alps. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 2137-2149	3.9	330
240	Ancient biomolecules from deep ice cores reveal a forested southern Greenland. <i>Science</i> , <b>2007</b> , 317, 111-4	33.3	319
239	The ETH Zurich AMS facilities: Performance parameters and reference materials. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 294, 29-38	1.2	208
238	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , <b>2018</b> , 493, 210-223	4.2	195
237	Possible solar origin of the 1,470-year glacial climate cycle demonstrated in a coupled model. <i>Nature</i> , <b>2005</b> , 438, 208-11	50.4	193
236	Bats: A new tool for AMS data reduction. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 976-979	1.2	147
235	A 600-year annual <sup>10</sup> Be record from the NGRIP ice core, Greenland. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	139
234	<sup>10</sup> Be and <sup>26</sup> Al measurements at the Zurich 6MV Tandem AMS facility. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 880-883	1.2	135
233	Does sedimentary <sup>231</sup> Pa/ <sup>230</sup> Th from the Bermuda Rise monitor past Atlantic Meridional Overturning Circulation?. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	97
232	Trench-parallel anisotropy produced by foundering of arc lower crust. <i>Science</i> , <b>2007</b> , 317, 108-11	33.3	85
231	Deep water provenance and dynamics of the (de)glacial Atlantic meridional overturning circulation. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 445, 68-78	5.3	77
230	Rapid increase in cosmogenic <sup>14</sup> C in AD 775 measured in New Zealand kauri trees indicates short-lived increase in <sup>14</sup> C production spanning both hemispheres. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 411, 290-297	5.3	72
229	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. <i>Nature Communications</i> , <b>2018</b> , 9, 3605	17.4	64
228	The AD 1717 rock avalanche deposits in the upper Ferret Valley (Italy): a dating approach with cosmogenic <sup>10</sup> Be. <i>Journal of Quaternary Science</i> , <b>2012</b> , 27, 383-392	2.3	63
227	Dating the onset of LGM ice surface lowering in the High Alps. <i>Quaternary Science Reviews</i> , <b>2016</b> , 143, 37-50	3.9	63
226	Plutonium release from Fukushima Daiichi fosters the need for more detailed investigations. <i>Scientific Reports</i> , <b>2013</b> , 3, 2988	4.9	62

225	The importance of independent chronology in integrating records of past climate change for the 608 ka INTIMATE time interval. <i>Quaternary Science Reviews</i> , <b>2014</b> , 106, 47-66	3.9	56
224	Rapid Holocene thinning of an East Antarctic outlet glacier driven by marine ice sheet instability. <i>Nature Communications</i> , <b>2015</b> , 6, 8910	17.4	55
223	First <sup>236</sup> U data from the Arctic Ocean and use of <sup>236</sup> U/ <sup>238</sup> U and <sup>129</sup> I/ <sup>236</sup> U as a new dual tracer. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 440, 127-134	5.3	54
222	An improved experimental determination of cosmogenic <sup>10</sup> Be/ <sup>21</sup> Ne and <sup>26</sup> Al/ <sup>21</sup> Ne production ratios in quartz. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 284, 187-198	5.3	54
221	Competitive <sup>10</sup> Be measurements below 1MeV with the upgraded ETH-ANDY AMS facility. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 2801-2807	1.2	53
220	Post-Accident Sporadic Releases of Airborne Radionuclides from the Fukushima Daiichi Nuclear Power Plant Site. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14028-35	10.3	52
219	A first transect of <sup>236</sup> U in the North Atlantic Ocean. <i>Geochimica Et Cosmochimica Acta</i> , <b>2014</b> , 133, 34-46	5.5	52
218	Spatial variability of <sup>10</sup> Be-derived erosion rates across the southern Peninsular Indian escarpment: A key to landscape evolution across passive margins. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 425, 154-167	5.3	49
217	The dependence of meteoric <sup>10</sup> Be concentrations on particle size in Amazon River bed sediment and the extraction of reactive <sup>10</sup> Be/ <sup>9</sup> Be ratios. <i>Chemical Geology</i> , <b>2012</b> , 318-319, 126-138	4.2	48
216	Multiradionuclide evidence for an extreme solar proton event around 2,610 B.P. (~660 BC). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 5961-5966	11.5	47
215	A depth profile of uranium-236 in the Atlantic Ocean. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 77, 98-107	5.5	45
214	The potential of He stripping in heavy ion AMS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 294, 382-386	1.2	45
213	Status of <sup>236</sup> U analyses at ETH Zurich and the distribution of <sup>236</sup> U and <sup>129</sup> I in the North Sea in 2009. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 361, 510-516	1.2	43
212	Multiple cosmogenic nuclides document complex Pleistocene exposure history of glacial drifts in Terra Nova Bay (northern Victoria Land, Antarctica). <i>Quaternary Research</i> , <b>2009</b> , 71, 83-92	1.9	41
211	Beryllium-10 in deep-sea sediments: a tracer for the Earth's magnetic field intensity during the last 200,000 years. <i>Quaternary Science Reviews</i> , <b>2003</b> , 22, 725-739	3.9	40
210	A deglaciation model of the Oberhasli, Switzerland. <i>Journal of Quaternary Science</i> , <b>2016</b> , 31, 46-59	2.3	37
209	Eleven-year solar cycles over the last millennium revealed by radiocarbon in tree rings. <i>Nature Geoscience</i> , <b>2021</b> , 14, 10-15	18.3	37
208	Copper-nickel-rich, amalgamated ferromanganese crust-nodule deposits from Shatsky Rise, NW Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13, n/a-n/a	3.6	35

207	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> , <b>2015</b> , 120, 2498-2528	3.8	34
206	Reconstruction of the $^{236}\text{U}$ input function for the Northeast Atlantic Ocean: Implications for $^{129}\text{I}/^{236}\text{U}$ and $^{236}\text{U}/^{238}\text{U}$ -based tracer ages. <i>Journal of Geophysical Research: Oceans</i> , <b>2015</b> , 120, 7282-7299	3.3	34
205	Evidence of central Alpine glacier advances during the Younger Dryas/Early Holocene transition period. <i>Boreas</i> , <b>2016</b> , 45, 398-410	2.4	32
204	Ultra-trace determination of plutonium in urine samples using a compact accelerator mass spectrometry system operating at 300 kV. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2012</b> , 27, 126-130	3.7	32
203	First data of Uranium-236 in the North Sea. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 294, 530-536	1.2	32
202	Evidence for a link between the flux of galactic cosmic rays and Earth's climate during the past 200,000 years. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2004</b> , 66, 313-322	2	32
201	Isotopic signature of plutonium at Bikini atoll. <i>Applied Radiation and Isotopes</i> , <b>2010</b> , 68, 979-83	1.7	31
200	Potential Releases of I, U, and Pu Isotopes from the Fukushima Dai-ichi Nuclear Power Plants to the Ocean from 2013 to 2015. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9826-9835	10.3	30
199	Radionuclide pollution inside the Fukushima Daiichi exclusion zone, part 2: Forensic search for the forgotten contaminants Uranium-236 and plutonium. <i>Applied Geochemistry</i> , <b>2017</b> , 85, 194-200	3.5	28
198	Isochron-burial dating of glaciofluvial deposits: First results from the Swiss Alps. <i>Earth Surface Processes and Landforms</i> , <b>2017</b> , 42, 2414-2425	3.7	28
197	Boundary scavenging at the East Atlantic margin does not negate use of $^{231}\text{Pa}/^{230}\text{Th}$ to trace Atlantic overturning. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 333-334, 317-331	5.3	28
196	$^{10}\text{Be}$ AMS measurements at low energies (E. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2008</b> , 266, 2207-2212	1.2	27
195	$^{10}\text{Be}$ dating of Neogene halite. <i>Geochimica Et Cosmochimica Acta</i> , <b>2013</b> , 122, 418-429	5.5	26
194	Reconstruction of global $^{10}\text{Be}$ production over the past 250ka from highly accumulating Atlantic drift sediments. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 2663-2672	3.9	26
193	Marine radioecology after the Fukushima Dai-ichi nuclear accident: Are we better positioned to understand the impact of radionuclides in marine ecosystems?. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 80-92	10.2	26
192	Timing of European fluvial terrace formation and incision rates constrained by cosmogenic nuclide dating. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 451, 221-231	5.3	25
191	Reduced sediment supply in a fast eroding landscape? A multi-proxy sediment budget of the upper Rhine basin, Central Alps. <i>Sedimentary Geology</i> , <b>2018</b> , 375, 105-119	2.8	24
190	Accelerator mass spectrometry of $^{236}\text{U}$ at low energies. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2011</b> , 269, 3199-3203	1.2	24

189	Tracing the Three Atlantic Branches Entering the Arctic Ocean With $^{129}\text{I}$ and $^{236}\text{U}$ . <i>Journal of Geophysical Research: Oceans</i> , <b>2018</b> , 123, 6909-6921	3.3	24
188	Regional mid-Pleistocene glaciation in central Patagonia. <i>Quaternary Science Reviews</i> , <b>2017</b> , 164, 77-94	3.9	23
187	$^{10}\text{Be}$ systematics in the Tsangpo-Brahmaputra catchment: the cosmogenic nuclide legacy of the eastern Himalayan syntaxis. <i>Earth Surface Dynamics</i> , <b>2017</b> , 5, 429-449	3.8	23
186	Detection of $\text{UH}_3^+$ and $\text{ThH}_3^+$ molecules and $^{236}\text{U}$ background studies with low-energy AMS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 294, 364-368	1.2	23
185	Anthropogenic U and I in the Mediterranean Sea: First comprehensive distribution and constrain of their sources. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 745-759	10.2	22
184	Kinetically limited weathering at low denudation rates in semiarid climatic conditions. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2016</b> , 121, 336-350	3.8	22
183	$^{10}\text{Be}$ in Ice Cores and $^{14}\text{C}$ in Tree Rings: Separation of Production and Climate Effects. <i>Space Science Reviews</i> , <b>2013</b> , 176, 343-349	7.5	22
182	Protactinium-231: A new radionuclide for AMS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2007</b> , 262, 379-384	1.2	22
181	Highly resolved Beryllium-10 record from ODP Site 1089A global signal?. <i>Earth and Planetary Science Letters</i> , <b>2007</b> , 257, 245-258	5.3	22
180	Catchment-wide weathering and erosion rates of mafic, ultramafic, and granitic rock from cosmogenic meteoric $^{10}\text{Be}/^9\text{Be}$ ratios. <i>Geochimica Et Cosmochimica Acta</i> , <b>2018</b> , 222, 618-641	5.5	22
179	Low energy AMS of americium and curium. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 331, 225-232	1.2	21
178	Identifying slope processes over time and their imprint in soils of medium-high mountains of Central Europe (the Karkonosze Mountains, Poland). <i>Earth Surface Processes and Landforms</i> , <b>2018</b> , 43, 1195-1212	3.7	20
177	New geomorphological and chronological constraints for glacial deposits in the Rivoli-Avigliana end-moraine system and the lower Susa Valley (Western Alps, NW Italy). <i>Journal of Quaternary Science</i> , <b>2018</b> , 33, 550-562	2.3	20
176	Anthropogenic U in the North Sea - A Closer Look into a Source Region. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12146-12153	10.3	19
175	Measurement of $^{236}\text{U}$ on the 1 MV AMS system at the Centro Nacional de Aceleradores (CNA). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 358, 45-51	1.2	19
174	Accelerator Mass Spectrometry of $^{129}\text{I}$ towards its lower limits. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 361, 445-449	1.2	19
173	Latest Pleistocene glacier advances and post-Younger Dryas rock glacier stabilization in the Mt. Kriváň group, High Tatra Mountains, Slovakia. <i>Geomorphology</i> , <b>2020</b> , 358, 107093	4.3	19
172	Sequential injection approach for simultaneous determination of ultratrace plutonium and neptunium in urine with accelerator mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8826-33	7.8	19

171	Continuous 25-yr aerosol records at coastal Antarctica. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2011</b> , 63, 920-934	3.3	19
170	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> , <b>2019</b> , 456, 203-212	1.2	18
169	Palaeoclimate, glacier and treeline reconstruction based on geomorphic evidences in the Mongun-Taiga massif (south-eastern Russian Altai) during the Late Pleistocene and Holocene. <i>Quaternary International</i> , <b>2018</b> , 470, 26-37	2	18
168	Multiple advances of Alpine glaciers into the Jura Mountains in the Northwestern Switzerland. <i>Swiss Journal of Geosciences</i> , <b>2015</b> , 108, 225-238	2.1	18
167	Boron suppression with a gas ionization chamber at very low energies (E. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 843-846	1.2	18
166	Timing of rockfalls in the Mont Blanc massif (Western Alps): evidence from surface exposure dating with cosmogenic $^{10}\text{Be}$ . <i>Landslides</i> , <b>2018</b> , 15, 1991-2000	6.6	18
165	Late-Pleistocene catchment-wide denudation patterns across the European Alps. <i>Earth-Science Reviews</i> , <b>2020</b> , 211, 103407	10.2	17
164	Tracking rockglacier evolution in the Eastern Alps from the Lateglacial to the early Holocene. <i>Quaternary Science Reviews</i> , <b>2020</b> , 241, 106424	3.9	17
163	Unravelling 5 decades of anthropogenic U discharge from nuclear reprocessing plants. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 137094	10.2	17
162	Long-term soil erosion derived from in-situ $^{10}\text{Be}$ and inventories of meteoric $^{10}\text{Be}$ in deeply weathered soils in southern Brazil. <i>Chemical Geology</i> , <b>2017</b> , 466, 380-388	4.2	17
161	Quality assurance in accelerator mass spectrometry: Results from an international round-robin exercise for $^{10}\text{Be}$ . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2012</b> , 289, 68-73	1.2	17
160	Landslide deposits as stratigraphical markers for a sequence-based glacial stratigraphy: a case study of a Younger Dryas system in the Eastern Alps. <i>Boreas</i> , <b>2016</b> , 45, 537-551	2.4	17
159	Erosion rates across space and timescales from a multi-proxy study of rivers of eastern Taiwan. <i>Global and Planetary Change</i> , <b>2017</b> , 157, 174-193	4.2	16
158	Laser Ablation - Accelerator Mass Spectrometry: An Approach for Rapid Radiocarbon Analyses of Carbonate Archives at High Spatial Resolution. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8570-6	7.8	16
157	Last glacial maximum glaciers in the Northern Apennines reflect primarily the influence of southerly storm-tracks in the western Mediterranean. <i>Quaternary Science Reviews</i> , <b>2018</b> , 197, 352-367	3.9	16
156	Revised Quaternary glacial succession and post-LGM recession, southern Wind River Range, Wyoming, USA. <i>Quaternary Science Reviews</i> , <b>2018</b> , 192, 167-184	3.9	16
155	COSMOGENIC $^{21}\text{Ne}$ AND $^{10}\text{Be}$ REVEAL A MORE THAN 2 Ma ALLUVIAL FAN FLANKING THE CAPE MOUNTAINS, SOUTH AFRICA. <i>South African Journal of Geology</i> , <b>2015</b> , 118, 129-144	1.6	15
154	A simple conceptual model of abrupt glacial climate events. <i>Nonlinear Processes in Geophysics</i> , <b>2007</b> , 14, 709-721	2.9	15

153	Tracing water masses with $^{129}\text{I}$ and $^{236}\text{U}$ in the subpolar North Atlantic along the GEOTRACES GA01 section. <i>Biogeosciences</i> , <b>2018</b> , 15, 5545-5564	4.6	15
152	Climate and relief-induced controls on the temporal variability of denudation rates in a granitic upland. <i>Earth Surface Processes and Landforms</i> , <b>2019</b> , 44, 2570-2586	3.7	14
151	The evolution of climatically driven weathering inputs into the western Arctic Ocean since the late Miocene: Radiogenic isotope evidence. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 419, 111-124	5.3	14
150	Denudation variability of the Sila Massif upland (Italy) from decades to millennia using $^{10}\text{Be}$ and $^{239+240}\text{Pu}$ . <i>Land Degradation and Development</i> , <b>2018</b> , 29, 3736-3752	4.4	14
149	$^{10}\text{Be}$ and $^{26}\text{Al}$ low-energy AMS using He-stripping and background suppression via an absorber. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 331, 209-214	1.2	14
148	Double response of glaciers in the Upper Peio Valley (Rhaetian Alps, Italy) to the Younger Dryas climatic deterioration. <i>Boreas</i> , <b>2017</b> , 46, 783-798	2.4	14
147	Lateglacial retreat chronology of the Scandinavian Ice Sheet in Finnmark, northern Norway, reconstructed from surface exposure dating of major end moraines. <i>Quaternary Science Reviews</i> , <b>2017</b> , 177, 130-144	3.9	14
146	Lateglacial and Early Holocene glacier stages - New dating evidence from the Meiental in central Switzerland. <i>Geomorphology</i> , <b>2019</b> , 340, 15-31	4.3	13
145	$^{239,240}\text{Pu}$ and $^{236}\text{U}$ records of an ice core from the eastern Tien Shan (Central Asia). <i>Journal of Glaciology</i> , <b>2017</b> , 63, 929-935	3.4	13
144	$^{231}\text{Pa}/^{230}\text{Th}$ : A proxy for upwelling off the coast of West Africa. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 1159-1162	1.2	13
143	Glaciation's topographic control on Holocene erosion at the eastern edge of the Alps. <i>Earth Surface Dynamics</i> , <b>2016</b> , 4, 895-909	3.8	13
142	Millennial scale variability of denudation rates for the last 15 kyr inferred from the detrital $^{10}\text{Be}$ record of Lake Stappitz in the Hohe Tauern massif, Austrian Alps. <i>Holocene</i> , <b>2017</b> , 27, 1914-1927	2.6	12
141	Environmental controls on $^{10}\text{Be}$ -based catchment-averaged denudation rates along the western margin of the Peruvian Andes. <i>Terra Nova</i> , <b>2017</b> , 29, 282-293	3	12
140	Climatic and Tectonic forcing on alluvial fans in the Southern Central Andes. <i>Quaternary Science Reviews</i> , <b>2017</b> , 172, 131-141	3.9	12
139	Are Compact AMS Facilities a Competitive Alternative to Larger Tandem Accelerators?. <i>Radiocarbon</i> , <b>2010</b> , 52, 319-330	4.6	12
138	Dynamics and legacy of 4.8 ka rock avalanche that dammed Zion Canyon, Utah, USA. <i>GSA Today</i> , <b>2016</b> , 26, 4-9	2.8	12
137	Tracing Atlantic Waters Using $^{129}\text{I}$ and $^{236}\text{U}$ in the Fram Strait in 2016. <i>Journal of Geophysical Research: Oceans</i> , <b>2019</b> , 124, 882-896	3.3	12
136	Soil denudation rates in an old-growth mountain temperate forest driven by tree uprooting dynamics, Central Europe. <i>Land Degradation and Development</i> , <b>2020</b> , 31, 222-239	4.4	12

135	Beryllium isotopes as tracers of Lake Lisan (last Glacial Dead Sea) hydrology and the Laschamp geomagnetic excursion. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 400, 233-242	5.3	11
134	On the measurement of $^{10}\text{Be}$ on the 1 MV compact AMS system at the Centro Nacional de Aceleradores (Spain). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 733-735	1.2	11
133	Relating the spatial variability of chemical weathering and erosion to geological and topographical zones. <i>Geomorphology</i> , <b>2020</b> , 363, 107235	4.3	11
132	Timing and flow pattern of the Orta Glacier (European Alps) during the Last Glacial Maximum. <i>Boreas</i> , <b>2020</b> , 49, 315-332	2.4	11
131	Spatial and temporal variations in denudation rates derived from cosmogenic nuclides in four European fluvial terrace sequences. <i>Geomorphology</i> , <b>2016</b> , 274, 180-192	4.3	11
130	Constant denudation rates in a high alpine catchment for the last 6 kyrs. <i>Earth Surface Processes and Landforms</i> , <b>2017</b> , 42, 1065-1077	3.7	10
129	Soil formation and weathering in a permafrost environment of the Swiss Alps: a multi-parameter and non-steady-state approach. <i>Earth Surface Processes and Landforms</i> , <b>2017</b> , 42, 814-835	3.7	10
128	Tracing the temporal evolution of soil redistribution rates in an agricultural landscape using $^{239+240}\text{Pu}$ and $^{10}\text{Be}$ . <i>Earth Surface Processes and Landforms</i> , <b>2019</b> , 44, 1783	3.7	10
127	Tectonic and lithological controls on denudation rates in the central Bolivian Andes. <i>Tectonophysics</i> , <b>2015</b> , 657, 230-244	3.1	10
126	Determination of Atto- to Femtogram Levels of Americium and Curium Isotopes in Large-Volume Urine Samples by Compact Accelerator Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2832-7	7.8	10
125	Evolution of soil erosion rates in alpine soils of the Central Rocky Mountains using fallout Pu and $^{13}\text{C}$ . <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 496, 257-269	5.3	10
124	Spatio-temporal dynamics of sediment transfer systems in landslide-prone Alpine catchments. <i>Solid Earth</i> , <b>2019</b> , 10, 1489-1503	3.3	10
123	The competition between coastal trace metal fluxes and oceanic mixing from the $^{10}\text{Be}/^{9}\text{Be}$ ratio: Implications for sedimentary records. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 8443-8452	4.9	10
122	Late Pleistocene-Holocene surface processes and landscape evolution in the central Swiss Alps. <i>Geomorphology</i> , <b>2017</b> , 295, 306-322	4.3	10
121	Late Cenozoic cooling history of the central Menderes Massif: Timing of the <del>BYK</del> Menderes detachment and the relative contribution of normal faulting and erosion to rock exhumation. <i>Tectonophysics</i> , <b>2017</b> , 717, 585-598	3.1	10
120	Denudation rates of small transient catchments controlled by former glaciation: The Hfñli nunatak in the northeastern Swiss Alpine Foreland. <i>Quaternary Geochronology</i> , <b>2014</b> , 19, 135-147	2.7	10
119	Carrier-free measurements of natural $^{10}\text{Be}/^{9}\text{Be}$ ratios at low energies. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2010</b> , 268, 726-729	1.2	10
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45	Tracing water masses with $^{129}\text{I}$ and $^{236}\text{U}$ in the subpolar North Atlantic along the GEOTRACES GA01 section		2
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