

Marcus Christl

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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 $^{10}\text{Be}/^{9}\text{Be}$ isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2022 , 321, 133-154	5.5	0
241	Cosmogenic radionuclides reveal an extreme solar particle storm near a solar minimum 9125 years BP.. <i>Nature Communications</i> , 2022 , 13, 214	17.4	7
240	Age of the Most Extensive Glaciation in the Alps. <i>Geosciences (Switzerland)</i> , 2022 , 12, 39	2.7	0
239	Reconstructing the depositional history of Pleistocene fluvial deposits based on grain size, elemental geochemistry and in-situ ^{10}Be data. <i>Geomorphology</i> , 2022 , 402, 108127	4.3	0
238	De-icing landsystem model for the Universidad Glacier (34°S) in the Central Andes of Chile during the past ~660 years. <i>Geomorphology</i> , 2022 , 400, 108096	4.3	0
237	Quaternary landscape evolution in the Western Argentine Precordillera constrained by ^{10}Be cosmogenic dating. <i>Geomorphology</i> , 2022 , 396, 107984	4.3	1
236	The Ticino-Toce glacier system (Swiss-Italian Alps) in the framework of the Alpine Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2022 , 279, 107400	3.9	1
235	Tree-rings reveal two strong solar proton events in 7176 and 5259 BCE.. <i>Nature Communications</i> , 2022 , 13, 1196	17.4	7
234	In-phase millennial-scale glacier changes in the tropics and North Atlantic regions during the Holocene.. <i>Nature Communications</i> , 2022 , 13, 1419	17.4	0
233	Contrasting soil dynamics in a formerly glaciated and non-glaciated Mediterranean mountain plateau (Serra da Estrela, Portugal). <i>Catena</i> , 2022 , 215, 106314	5.8	0
232	Spatio-temporal variability and controlling factors for postglacial denudation rates in the Dora Baltea catchment (western Italian Alps). <i>Earth Surface Dynamics</i> , 2022 , 10, 493-512	3.8	
231	The potential for a continuous ^{10}Be record measured on ice chips from a borehole. <i>Results in Geochemistry</i> , 2021 , 5, 100012	2	0
230	A record of ^{241}Am , ^{236}U , ^{238}U , ^{239}Pu , ^{240}Pu , ^{134}Cs and ^{137}Cs in surface seawater and ^{241}Am in aerosols shortly after the FDNPP incident occurred. <i>Geochemical Journal</i> , 2021 , 55, 33-38	0.9	0
229	Retreat of the Great Escarpment of Madagascar From Geomorphic Analysis and Cosmogenic ^{10}Be Concentrations. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2021GC009979	3.6	1
228	Rapid post-glacial bedrock weathering in coastal Norway. <i>Geomorphology</i> , 2021 , 108003	4.3	0
227	Delayed Western Gotland Basin (Baltic Sea) ventilation in response to the onset of a Mid-Holocene climate oscillation. <i>Quaternary Science Reviews</i> , 2021 , 273, 107253	3.9	
226	Local and global trace plutonium contributions in fast breeder legacy soils. <i>Nature Communications</i> , 2021 , 12, 1381	17.4	1

225	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. <i>Quaternary Science Reviews</i> , 2021 , 255, 106815	3.9	6
224	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. <i>Cryosphere</i> , 2021 , 15, 2057-2081	5.5	6
223	Cosmogenic in situ C-Be reveals abrupt Late Holocene soil loss in the Andean Altiplano. <i>Nature Communications</i> , 2021 , 12, 2546	17.4	4
222	Drainage basin dynamics during the transition from early to mature orogeny in Southern Taiwan. <i>Earth and Planetary Science Letters</i> , 2021 , 562, 116874	5.3	3
221	Ultrasensitive Analytical Method for Direct Search of Primordial ²⁴⁴ Pu in Bastnaesite. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 1316-1324	3.2	1
220	Quaternary landscape evolution of patagonia at the Chilean Triple Junction: Climate and tectonic forcings. <i>Quaternary Science Reviews</i> , 2021 , 261, 106960	3.9	0
219	Tracing erosion rates in loess landscape of the Trzebnica Hills (Poland) over time using fallout and cosmogenic nuclides. <i>Journal of Soils and Sediments</i> , 2021 , 21, 2952	3.4	3
218	U/U Analysis of Femtograms of U by MC-ICPMS. <i>Analytical Chemistry</i> , 2021 , 93, 8442-8449	7.8	1
217	¹⁰ Be surface exposure dating reveals unexpected high deformation rates in the central Andean wedge interior. <i>Terra Nova</i> , 2021 , 33, 30-45	3	1
216	Regional-scale abrupt Mid-Holocene ice sheet thinning in the western Ross Sea, Antarctica. <i>Geology</i> , 2021 , 49, 278-282	5	7
215	U, Np and Pu as complementary fingerprints of radioactive effluents in the western Mediterranean Sea and in the Canada Basin (Arctic Ocean). <i>Science of the Total Environment</i> , 2021 , 765, 142741	10.2	3
214	Glacial erosion by the Trift glacier (Switzerland): Deciphering the development of riegels, rock basins and gorges. <i>Geomorphology</i> , 2021 , 375, 107533	4.3	3
213	Cosmogenic and Geological Evidence for the Occurrence of a Ma-Long Feedback between Uplift and Denudation, Chur Region, Swiss Alps. <i>Geosciences (Switzerland)</i> , 2021 , 11, 339	2.7	0
212	Muted multidecadal climate variability in central Europe during cold stadial periods. <i>Nature Geoscience</i> , 2021 , 14, 651-658	18.3	6
211	¹⁰ Be and ¹⁴ C data provide insight on soil mass redistribution along gentle slopes and reveal ancient human impact. <i>Journal of Soils and Sediments</i> , 2021 , 21, 3770	3.4	0
210	Complex patterns of schist tor exposure and surface uplift, Otago (New Zealand). <i>Geomorphology</i> , 2021 , 389, 107849	4.3	2
209	Initial tests of ²⁶ Al fluoride target matrix on MILEA AMS system. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2021 , 503, 45-52	1.2	0
208	Transformation of high-relief canyon topography by an ancient rock avalanche, Hop Valley, Zion National Park, Utah, USA. <i>Holocene</i> , 2021 , 31, 720-731	2.6	

207	Circulation timescales of Atlantic Water in the Arctic Ocean determined from anthropogenic radionuclides. <i>Ocean Science</i> , 2021 , 17, 111-129	4	5
206	Eleven-year solar cycles over the last millennium revealed by radiocarbon in tree rings. <i>Nature Geoscience</i> , 2021 , 14, 10-15	18.3	37
205	Mid-Holocene thinning of David Glacier, Antarctica: chronology and controls. <i>Cryosphere</i> , 2021 , 15, 5447-5471	5.9	2
204	Late-Pleistocene catchment-wide denudation patterns across the European Alps. <i>Earth-Science Reviews</i> , 2020 , 211, 103407	10.2	17
203	239,240Pu and 236U records of an ice core from the eastern Tien Shan (Central Asia) □ CORRIGENDUM. <i>Journal of Glaciology</i> , 2020 , 66, 1080-1080	3.4	0
202	Integrated multi-temporal analysis of the displacement behaviour and morphology of a deep-seated compound landslide (Cerentino, Switzerland). <i>Engineering Geology</i> , 2020 , 270, 105577	6	3
201	Tracking rockglacier evolution in the Eastern Alps from the Lateglacial to the early Holocene. <i>Quaternary Science Reviews</i> , 2020 , 241, 106424	3.9	17
200	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. <i>Quaternary International</i> , 2020 , 556, 144-158	2	7
199	Impact of nuclear fuel reprocessing on the temporal evolution of marine radiocarbon. <i>Science of the Total Environment</i> , 2020 , 738, 139700	10.2	3
198	Latest Pleistocene glacier advances and post-Younger Dryas rock glacier stabilization in the Mt. Kriváň group, High Tatra Mountains, Slovakia. <i>Geomorphology</i> , 2020 , 358, 107093	4.3	19
197	Unravelling 5 decades of anthropogenic U discharge from nuclear reprocessing plants. <i>Science of the Total Environment</i> , 2020 , 717, 137094	10.2	17
196	The role of frost cracking in local denudation of steep Alpine rockwalls over millennia (Eiger, Switzerland). <i>Earth Surface Dynamics</i> , 2020 , 8, 637-659	3.8	4
195	Timing of exotic, far-traveled boulder emplacement and paleo-outburst flooding in the central Himalayas. <i>Earth Surface Dynamics</i> , 2020 , 8, 769-787	3.8	6
194	Development of a multi-method chronology spanning the Last Glacial Interval from Orakei maar lake, Auckland, New Zealand. <i>Geochronology</i> , 2020 , 2, 367-410	3.8	3
193	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	3.8	1
192	Relating the spatial variability of chemical weathering and erosion to geological and topographical zones. <i>Geomorphology</i> , 2020 , 363, 107235	4.3	11
191	The impact of storm-triggered landslides on sediment dynamics and catchment-wide denudation rates in the southern Central Range of Taiwan following the extreme rainfall event of Typhoon Morakot. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 548-564	3.7	6
190	$^{10}\text{Be}/^9\text{Be}$ Ratios Reveal Marine Authigenic Clay Formation. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086061	4.0	6

189	Timing and flow pattern of the Orta Glacier (European Alps) during the Last Glacial Maximum. <i>Boreas</i> , 2020 , 49, 315-332	2.4	11
188	Unravelling Quasi-Continuous 14C Profiles by Laser Ablation AMS. <i>Radiocarbon</i> , 2020 , 62, 453-465	4.6	4
187	Postglacial erosion of bedrock surfaces and deglaciation timing: New insights from the Mont Blanc massif (western Alps). <i>Geology</i> , 2020 , 48, 139-144	5	10
186	Evaluating debris-flow and anthropogenic disturbance on 10Be concentration in mountain drainage basins: implications for functional connectivity and denudation rates across time scales. <i>Earth Surface Processes and Landforms</i> , 2020 , 45, 3955-3974	3.7	1
185	Landscape evolution, post-LGM surface denudation and soil weathering processes from Dickinson Park mire, Wind River Range, Wyoming (USA). <i>Geomorphology</i> , 2020 , 371, 107433	4.3	
184	Lagged atmospheric circulation response in the Black Sea region to Greenland Interstadial 10. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28649-28654	11.5	2
183	Build-up and chronology of blue ice moraines in Queen Maud Land, Antarctica. <i>Quaternary Science Advances</i> , 2020 , 2, 100012	2.2	3
182	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-Ovacık Fault Zone, eastern Turkey). <i>Journal of Asian Earth Sciences</i> , 2020 , 188, 104091	2.8	3
181	Soil denudation rates in an old-growth mountain temperate forest driven by tree uprooting dynamics, Central Europe. <i>Land Degradation and Development</i> , 2020 , 31, 222-239	4.4	12
180	Differential erosion and sediment fluxes in the Landquart basin and possible relationships to lithology and tectonic controls. <i>Swiss Journal of Geosciences</i> , 2019 , 112, 453-473	2.1	6
179	Climate and relief-induced controls on the temporal variability of denudation rates in a granitic upland. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 2570-2586	3.7	14
178	Preliminary results of CoQtz-N: A quartz reference material for terrestrial in-situ cosmogenic 10Be and 26Al measurements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 456, 203-212	1.2	18
177	Distribution of 236U in the U.S. GEOTRACES Eastern Pacific Zonal Transect and its use as a water mass tracer. <i>Chemical Geology</i> , 2019 , 517, 44-57	4.2	8
176	The 10Be deglaciation chronology of the Gächental, central Swiss Alps, and new insights into the Gächental Cold Phases. <i>Boreas</i> , 2019 , 48, 867-878	2.4	7
175	Tracing the temporal evolution of soil redistribution rates in an agricultural landscape using 239+240Pu and 10Be. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 1783	3.7	10
174	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> , 2019 , 116, 5961-5966	11.5	47
173	Lateglacial and Early Holocene glacier stages - New dating evidence from the Meiental in central Switzerland. <i>Geomorphology</i> , 2019 , 340, 15-31	4.3	13
172	Short-time (. <i>Terra Nova</i> , 2019 , 31, 111-119	3	1

171	ColPuS, a new multi-isotope plutonium standard for Accelerator Mass Spectrometry. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 438, 189-192	1.2	2
170	Effective separation of Am(III) and Cm(III) using a DGA resin via the selective oxidation of Am(III) to Am(V). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019 , 321, 227-233	1.5	6
169	A novel chronometry technique for dating irradiated uranium fuels using Cm isotopic ratios. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019 , 322, 1611-1620	1.5	4
168	Spatio-temporal dynamics of sediment transfer systems in landslide-prone Alpine catchments. <i>Solid Earth</i> , 2019 , 10, 1489-1503	3.3	10
167	Spatial patterns of erosion and landscape evolution in a bivergent metamorphic core complex revealed by cosmogenic ¹⁰ Be: The central Menderes Massif (western Turkey) 2019 , 15, 1846-1868		1
166	Laser ablation-accelerator mass spectrometry reveals complete bomb ¹⁴ C signal in an otolith with confirmation of 60-year longevity for red snapper (<i>Lutjanus campechanus</i>). <i>Marine and Freshwater Research</i> , 2019 , 70, 1768	2.2	10
165	Chemical Versus Mechanical Denudation in Meta-Clastic and Carbonate Bedrock Catchments on Crete, Greece, and Mechanisms for Steep and High Carbonate Topography. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019 , 124, 2943-2961	3.8	6
164	Changes in landscape evolution patterns in the northern Swiss Alpine Foreland during the mid-Pleistocene revolution. <i>Bulletin of the Geological Society of America</i> , 2019 , 131, 2056-2078	3.9	7
163	Postglacial to Holocene landscape evolution and process rates in steep alpine catchments. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 242-258	3.7	8
162	Proof-of-principle of a compact 300 kV multi-isotope AMS facility. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 439, 84-89	1.2	7
161	Possible climatic controls on the accumulation of Peru's most prominent alluvial fan: The Lima Conglomerate. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 991-1003	3.7	1
160	Tracing Atlantic Waters Using ¹²⁹ I and ²³⁶ U in the Fram Strait in 2016. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 882-896	3.3	12
159	Fluvial dynamics and ¹⁴ C- ¹⁰ Be disequilibrium on the Bolivian Altiplano. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 766-780	3.7	5
158	Be-inferred paleo-denudation rates imply that the mid-Miocene western central Andes eroded as slowly as today. <i>Scientific Reports</i> , 2018 , 8, 2299	4.9	9
157	¹⁰ Be surface exposure dating of the last deglaciation in the Aare Valley, Switzerland. <i>Swiss Journal of Geosciences</i> , 2018 , 111, 295-303	2.1	7
156	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> , 2018 , 470, 26-37	2	18
155	Reduced sediment supply in a fast eroding landscape? A multi-proxy sediment budget of the upper Rhine basin, Central Alps. <i>Sedimentary Geology</i> , 2018 , 375, 105-119	2.8	24
154	Evolution of soil erosion rates in alpine soils of the Central Rocky Mountains using fallout Pu and ¹³ C. <i>Earth and Planetary Science Letters</i> , 2018 , 496, 257-269	5.3	10

153	Holocene evolution of the Triftje- and the Oberseegletscher (Swiss Alps) constrained with ^{10}Be exposure and radiocarbon dating. <i>Swiss Journal of Geosciences</i> , 2018 , 111, 117-131	2.1	8
152	Denudation variability of the Sila Massif upland (Italy) from decades to millennia using ^{10}Be and $^{239+240}\text{Pu}$. <i>Land Degradation and Development</i> , 2018 , 29, 3736-3752	4.4	14
151	Presence of U and Pu in soils from Southern Hemisphere. <i>Journal of Environmental Radioactivity</i> , 2018 , 192, 478-484	2.4	9
150	Piecing together the Lateglacial advance phases of the Reussgletscher (central Swiss Alps). <i>Geographica Helvetica</i> , 2018 , 73, 241-252	1.1	2
149	Reconsidering the origin of the Sedrun fans (Graubünden, Switzerland). <i>E&G Quaternary Science Journal</i> , 2018 , 67, 17-23	1.9	1
148	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> , 2018 , 43, 1195-1212	3.7	20
147	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> , 2018 , 618, 80-92	10.2	26
146	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> , 2018 , 222, 618-641	5.5	22
145	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> , 2018 , 33, 550-562	2.3	20
144	A Comparison of β -ray Spectroscopy with Accelerator Mass Spectrometry for the Environmental Assay of Plutonium 2018 ,		1
143	Timing of rockfalls in the Mont Blanc massif (Western Alps): evidence from surface exposure dating with cosmogenic ^{10}Be . <i>Landslides</i> , 2018 , 15, 1991-2000	6.6	18
142	Tracing the Three Atlantic Branches Entering the Arctic Ocean With ^{129}I and ^{236}U . <i>Journal of Geophysical Research: Oceans</i> , 2018 , 123, 6909-6921	3.3	24
141	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. <i>Nature Communications</i> , 2018 , 9, 3605	17.4	64
140	Tracing water masses with ^{129}I and ^{236}U in the subpolar North Atlantic along the GEOTRACES GA01 section. <i>Biogeosciences</i> , 2018 , 15, 5545-5564	4.6	15
139	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> , 2018 , 197, 352-367	3.9	16
138	Chronology of alluvial terrace sediment accumulation and incision in the Pativilca Valley, western Peruvian Andes. <i>Geomorphology</i> , 2018 , 315, 45-56	4.3	4
137	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018 , 493, 210-223	4.2	195
136	^{10}Be and ^{10}Be constraints on sediment recycling in proglacial settings, Lago Buenos Aires, Patagonia. <i>Earth Surface Dynamics</i> , 2018 , 6, 121-140	3.8	9

135	Revised Quaternary glacial succession and post-LGM recession, southern Wind River Range, Wyoming, USA. <i>Quaternary Science Reviews</i> , 2018 , 192, 167-184	3.9	16
134	Corrigendum to Deep water provenance and dynamics of the (de)glacial Atlantic meridional overturning circulation [Earth Planet. Sci. Lett. 445 (2016) 68-78]. <i>Earth and Planetary Science Letters</i> , 2017 , 458, 444-448	5.3	
133	Exposure dating of a pronounced glacier advance at the onset of the late-Holocene in the central Tyrolean Alps. <i>Holocene</i> , 2017 , 27, 1350-1358	2.6	9
132	Constant denudation rates in a high alpine catchment for the last 6 kyrs. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1065-1077	3.7	10
131	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> , 2017 , 42, 814-835	3.7	10
130	Millennial scale variability of denudation rates for the last 15 kyr inferred from the detrital ¹⁰ Be record of Lake Stappitz in the Hohe Tauern massif, Austrian Alps. <i>Holocene</i> , 2017 , 27, 1914-1927	2.6	12
129	Radionuclide pollution inside the Fukushima Daiichi exclusion zone, part 2: Forensic search for the Borgotten contaminants Uranium-236 and plutonium. <i>Applied Geochemistry</i> , 2017 , 85, 194-200	3.5	28
128	Anthropogenic U and I in the Mediterranean Sea: First comprehensive distribution and constrain of their sources. <i>Science of the Total Environment</i> , 2017 , 593-594, 745-759	10.2	22
127	Evidence of plutonium bioavailability in pristine freshwaters of a karst system of the Swiss Jura Mountains. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 206, 30-39	5.5	4
126	Regional mid-Pleistocene glaciation in central Patagonia. <i>Quaternary Science Reviews</i> , 2017 , 164, 77-94	3.9	23
125	Constraints on Water Reservoir Lifetimes From Catchment-Wide ¹⁰ Be Erosion Rates: A Case Study From Western Turkey. <i>Water Resources Research</i> , 2017 , 53, 9206-9224	5.4	3
124	Anthropogenic U in the North Sea - A Closer Look into a Source Region. <i>Environmental Science & Technology</i> , 2017 , 51, 12146-12153	10.3	19
123	¹⁰ Be systematics in the Tsangpo-Brahmaputra catchment: the cosmogenic nuclide legacy of the eastern Himalayan syntaxis. <i>Earth Surface Dynamics</i> , 2017 , 5, 429-449	3.8	23
122	Erosion rates across space and timescales from a multi-proxy study of rivers of eastern Taiwan. <i>Global and Planetary Change</i> , 2017 , 157, 174-193	4.2	16
121	Double response of glaciers in the Upper Peio Valley (Rhaetian Alps, Italy) to the Younger Dryas climatic deterioration. <i>Boreas</i> , 2017 , 46, 783-798	2.4	14
120	Isochron-burial dating of glaciofluvial deposits: First results from the Swiss Alps. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 2414-2425	3.7	28
119	Optimizing the analyte introduction for ¹⁴ C laser ablation-AMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1813-1819	3.7	6
118	Long-term soil erosion derived from in-situ ¹⁰ Be and inventories of meteoric ¹⁰ Be in deeply weathered soils in southern Brazil. <i>Chemical Geology</i> , 2017 , 466, 380-388	4.2	17

117	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 & Technology</i> , 2017 , 51, 9826-9835	10.3	30
116	Environmental controls on ¹⁰ Be-based catchment-averaged denudation rates along the western margin of the Peruvian Andes. <i>Terra Nova</i> , 2017 , 29, 282-293	3	12
115	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	4.9	10
114	Climatic and Tectonic forcing on alluvial fans in the Southern Central Andes. <i>Quaternary Science Reviews</i> , 2017 , 172, 131-141	3.9	12
113	^{239,240} Pu and ²³⁶ U records of an ice core from the eastern Tien Shan (Central Asia). <i>Journal of Glaciology</i> , 2017 , 63, 929-935	3.4	13
112	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> , 2017 , 177, 130-144	3.9	14
111	Late Pleistocene-Holocene surface processes and landscape evolution in the central Swiss Alps. <i>Geomorphology</i> , 2017 , 295, 306-322	4.3	10
110	Late Cenozoic cooling history of the central Menderes Massif: Timing of the ⁸ Myr Menderes detachment and the relative contribution of normal faulting and erosion to rock exhumation. <i>Tectonophysics</i> , 2017 , 717, 585-598	3.1	10
109	Subglacial abrasion rates at Goldbergkees, Hohe Tauern, Austria, determined from cosmogenic ¹⁰ Be and ³⁶ Cl concentrations. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 1119-1131	3.7	9
108	Scavenged Pu, Pu, and Am from snowfalls in the atmosphere settling on Mt. Zugspitze in 2014, 2015 and 2016. <i>Scientific Reports</i> , 2017 , 7, 11848	4.9	3
107	Bayesian inversion of a CRN depth profile to infer Quaternary erosion of the northwestern Campine Plateau (NE Belgium). <i>Earth Surface Dynamics</i> , 2017 , 5, 331-345	3.8	8
106	¹⁰ Be depth profiles in glacial sediments on the Swiss Plateau: deposition age, denudation and (pseudo-) inheritance. <i>E&G Quaternary Science Journal</i> , 2017 , 66, 57-68	1.9	1
105	Timing of European fluvial terrace formation and incision rates constrained by cosmogenic nuclide dating. <i>Earth and Planetary Science Letters</i> , 2016 , 451, 221-231	5.3	25
104	Kinetically limited weathering at low denudation rates in semiarid climatic conditions. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016 , 121, 336-350	3.8	22
103	Evidence of central Alpine glacier advances during the Younger Dryas-early Holocene transition period. <i>Boreas</i> , 2016 , 45, 398-410	2.4	32
102	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> , 2016 , 88, 2832-7	7.8	10
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4	Simulating ice core ^{10}Be on the glacial-interglacial timescale		1
3	Tree-ring radiocarbon reveals reduced solar activity during Younger Dryas cooling		2
2	Circulation timescales of Atlantic Waters in the Arctic Ocean determined from anthropogenic radionuclides		2
1	Tree rings reveal two strong solar proton events in 7176 and 5259 BCE		4