

Christoph SpÄtl

List of Publications by Year in descending order

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235
papers

13,131
citations

26630

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29157

104
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docs citations

302
times ranked

8953
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvements in ^{230}Th dating, ^{230}Th and ^{234}U half-life values, and U^{235}/Th isotopic measurements by multi-collector inductively coupled plasma mass spectrometry. <i>Earth and Planetary Science Letters</i> , 2013, 371-372, 82-91.	4.4	1,007
2	The Asian monsoon over the past 640,000 years and ice age terminations. <i>Nature</i> , 2016, 534, 640-646.	27.8	956
3	Modification and preservation of environmental signals in speleothems. <i>Earth-Science Reviews</i> , 2006, 75, 105-153.	9.1	669
4	Continuous-flow isotope ratio mass spectrometric analysis of carbonate minerals. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1004-1006.	1.5	575
5	The climatic cyclicity in semiarid/ arid central Asia over the past 500,000 years. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	348
6	Cave air control on dripwater geochemistry, Obir Caves (Austria): Implications for speleothem deposition in dynamically ventilated caves. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 2451-2468.	3.9	345
7	High-precision and high-resolution carbonate ^{230}Th dating by MC-ICP-MS with SEM protocols. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 99, 71-86.	3.9	277
8	Reconstruction of temperature in the Central Alps during the past 2000 yr from a $\delta^{18}\text{O}$ stalagmite record. <i>Earth and Planetary Science Letters</i> , 2005, 235, 741-751.	4.4	263
9	In situ U-series dating by laser-ablation multi-collector ICPMS: new prospects for Quaternary geochronology. <i>Quaternary Science Reviews</i> , 2005, 24, 2523-2538.	3.0	257
10	North Atlantic storm track changes during the Last Glacial Maximum recorded by Alpine speleothems. <i>Nature Communications</i> , 2015, 6, 6344.	12.8	183
11	Carbon mass-balance modelling and carbon isotope exchange processes in dynamic caves. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 380-400.	3.9	173
12	Stalagmite from the Austrian Alps reveals Dansgaard-Oeschger events during isotope stage 3:. <i>Earth and Planetary Science Letters</i> , 2002, 203, 507-518.	4.4	161
13	Uranyl Incorporation in Natural Calcite. <i>Environmental Science & Technology</i> , 2003, 37, 1284-1287.	10.0	148
14	Palaeoenvironmental significance of carbon- and oxygen-isotope stratigraphy of marine Triassic-Jurassic boundary sections in SW Britain. <i>Journal of the Geological Society</i> , 2009, 166, 431-445.	2.1	139
15	Climate variations of Central Asia on orbital to millennial timescales. <i>Scientific Reports</i> , 2016, 6, 36975.	3.3	136
16	Palaeoclimate records 60-8 ka in the Austrian and Swiss Alps and their forelands. <i>Quaternary Science Reviews</i> , 2014, 106, 186-205.	3.0	129
17	NALPS: a precisely dated European climate record 120-60 ka. <i>Climate of the Past</i> , 2011, 7, 1247-1259.	3.4	127
18	Chronology and paleoenvironment of Marine Isotope Stage 3 from two high-elevation speleothems, Austrian Alps. <i>Quaternary Science Reviews</i> , 2006, 25, 1127-1136.	3.0	121

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19	Timing and structure of the Younger Dryas event and its underlying climate dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23408-23417.	7.1	119
20	Holocene Climate Variability in Sicily from a Discontinuous Stalagmite Record and the Mesolithic to Neolithic Transition. Quaternary Research, 2006, 66, 388-400.	1.7	112
21	Evidence for recurrent changes in Lower Triassic oceanic circulation of the Tethys: The $\delta^{13}C$ record from marine sections in Iran. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 252, 355-369.	2.3	111
22	Groundwater dolocretes from the Upper Triassic of the Paris Basin, France: a case study of an arid, continental diagenetic facies. Sedimentology, 1992, 39, 1119-1136.	3.1	110
23	Monitoring Bunker Cave (NW Germany): A prerequisite to interpret geochemical proxy data of speleothems from this site. Journal of Hydrology, 2011, 409, 682-695.	5.4	109
24	The calcareous tufa in the Tadrart Acacus Mt. (SW Fezzan, Libya). Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 287, 81-94.	2.3	108
25	Climate variability in the SE Alps of Italy over the past 17 000 years reconstructed from a stalagmite record. Boreas, 2005, 34, 445-455.	2.4	107
26	Reorganization of the North Atlantic Oscillation during early Holocene deglaciation. Nature Geoscience, 2016, 9, 602-605.	12.9	103
27	Start of the last interglacial period at 135 ka: Evidence from a high Alpine speleothem. Geology, 2002, 30, 815.	4.4	95
28	Kerogen maturation and incipient graphitization of hydrocarbon source rocks in the Arkoma Basin, Oklahoma and Arkansas: a combined petrographic and Raman spectrometric study. Organic Geochemistry, 1998, 28, 535-542.	1.8	94
29	A precisely dated climate record for the last 9 kyr from three high alpine stalagmites, Spannagel Cave, Austria. Geophysical Research Letters, 2006, 33, .	4.0	93
30	Holocene climate variability in north-eastern Italy: potential influence of the NAO and solar activity recorded by speleothem data. Climate of the Past, 2012, 8, 1367-1383.	3.4	93
31	Stretching the Envelope of Past Surface Environments: Neoproterozoic Glacial Lakes from Svalbard. Science, 2009, 323, 119-122.	12.6	90
32	High-resolution isotope records of early Holocene rapid climate change from two coeval stalagmites of Katerloch Cave, Austria. Quaternary Science Reviews, 2009, 28, 2527-2538.	3.0	87
33	Bunker Cave stalagmites: an archive for central European Holocene climate variability. Climate of the Past, 2012, 8, 1751-1764.	3.4	81
34	Collapse of the Liangzhu and other Neolithic cultures in the lower Yangtze region in response to climate change. Science Advances, 2021, 7, eabi9275.	10.3	81
35	Disequilibrium carbon and oxygen isotope fractionation in recent cave calcite: Comparison of cave precipitates and model data. Geochimica Et Cosmochimica Acta, 2013, 103, 232-244.	3.9	78
36	Multi-speleothem record reveals tightly coupled climate between central Europe and Greenland during Marine Isotope Stage 3. Geology, 2014, 42, 1043-1046.	4.4	77

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37	Chronology building using objective identification of annual signals in trace element profiles of stalagmites. <i>Quaternary Geochronology</i> , 2009, 4, 11-21.	1.4	75
38	Cave aerosols: distribution and contribution to speleothem geochemistry. <i>Quaternary Science Reviews</i> , 2013, 63, 23-41.	3.0	73
39	A data-model comparison pinpoints Holocene spatiotemporal pattern of East Asian summer monsoon. <i>Quaternary Science Reviews</i> , 2021, 261, 106911.	3.0	72
40	Dual clumped isotope thermometry resolves kinetic biases in carbonate formation temperatures. <i>Nature Communications</i> , 2020, 11, 4005.	12.8	70
41	Stable isotope microsampling of speleothems for palaeoenvironmental studies: A comparison of microdrill, micromill and laser ablation techniques. <i>Chemical Geology</i> , 2006, 235, 48-58.	3.3	68
42	Origin and palaeoenvironmental significance of lamination in stalagmites from Katerloch Cave, Austria. <i>Sedimentology</i> , 2011, 58, 508-531.	3.1	68
43	Dating cave drip water by tritium. <i>Journal of Hydrology</i> , 2010, 394, 396-406.	5.4	67
44	Hydrological change in Southern Europe responding to increasing North Atlantic overturning during Greenland Stadial 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6568-6572.	7.1	65
45	The importance of independent chronology in integrating records of past climate change for the 60-ka INTIMATE time interval. <i>Quaternary Science Reviews</i> , 2014, 106, 47-66.	3.0	64
46	A robust and fast method of sampling and analysis of $\delta^{13}\text{C}$ of dissolved inorganic carbon in ground waters. <i>Isotopes in Environmental and Health Studies</i> , 2005, 41, 217-221.	1.0	63
47	Holocene glacier history from alpine speleothems, Milchbach cave, Switzerland. <i>Earth and Planetary Science Letters</i> , 2011, 302, 95-106.	4.4	63
48	Simulating speleothem growth in the laboratory: Determination of the stable isotope fractionation ($\delta^{13}\text{C}$ and $\delta^{18}\text{O}$) between H_2O , DIC and CaCO_3 . <i>Chemical Geology</i> , 2019, 509, 20-44.	3.3	63
49	Stable isotopes in caves over altitudinal gradients: fractionation behaviour and inferences for speleothem sensitivity to climate change. <i>Climate of the Past</i> , 2013, 9, 99-118.	3.4	62
50	The significance of chemical, isotopic, and detrital components in three coeval stalagmites from the superhumid southernmost Andes (53°S) as high-resolution palaeo-climate proxies. <i>Quaternary Science Reviews</i> , 2011, 30, 443-459.	3.0	61
51	High-precision constraints on timing of Alpine warm periods during the middle to late Pleistocene using speleothem growth periods. <i>Earth and Planetary Science Letters</i> , 2005, 236, 751-764.	4.4	60
52	Speleothems and paleoglaciers. <i>Earth and Planetary Science Letters</i> , 2007, 254, 323-331.	4.4	60
53	Long-term performance of the Gasbench isotope ratio mass spectrometry system for the stable isotope analysis of carbonate microsamples. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1683-1685.	1.5	59
54	Hydrogen and oxygen isotopes of water from inclusions in minerals: design of a new crushing system and online continuous-flow isotope ratio mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2605-2613.	1.5	58

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55	Micromill and in situ laser ablation sampling techniques for high spatial resolution MC-ICPMS U-Th dating of carbonates. <i>Chemical Geology</i> , 2009, 259, 253-261.	3.3	58
56	High-resolution sulphur isotope analysis of speleothem carbonate by secondary ionisation mass spectrometry. <i>Chemical Geology</i> , 2010, 271, 101-107.	3.3	58
57	Termination-II interstadial/stadial climate change recorded in two stalagmites from the north European Alps. <i>Quaternary Science Reviews</i> , 2015, 127, 229-239.	3.0	57
58	Corrosion morphology and cave wall alteration in an Alpine sulfuric acid cave (Kraushöhle, Austria). <i>Geomorphology</i> , 2012, 169-170, 45-54.	2.6	54
59	Evidence of a large cooling between 1690 and 1740 AD in southern Africa. <i>Scientific Reports</i> , 2013, 3, .	3.3	54
60	Uranium-series dating of corals in situ using laser-ablation MC-ICPMS. <i>International Journal of Mass Spectrometry</i> , 2005, 240, 27-35.	1.5	53
61	Generic turnovers of Carnian/Norian conodonts: Climatic control or competition?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 290, 120-137.	2.3	51
62	Glacial-interglacial temperature change in the tropical West Pacific: A comparison of stalagmite-based paleo-thermometers. <i>Quaternary Science Reviews</i> , 2015, 127, 90-116.	3.0	50
63	Hydroclimatic variations in southeastern China during the 4.2 ka event reflected by stalagmite records. <i>Climate of the Past</i> , 2018, 14, 1805-1817.	3.4	50
64	The aftermath of the Carnian carbonate platform demise: a basinal perspective (Dolomites, Southern Tj ETQq0 0 0,rgBT /Overlock 10 Tf	3.1	48
65	Stable isotope fractionation in speleothems: Laboratory experiments. <i>Chemical Geology</i> , 2010, 279, 31-39.	3.3	48
66	Millennial-scale climate variability during the last 12.5 ka recorded in a Caribbean speleothem. <i>Earth and Planetary Science Letters</i> , 2013, 361, 143-151.	4.4	48
67	COMNISPA II: Update of a mid-European isotope climate record, 11 ka to present. <i>Holocene</i> , 2013, 23, 749-754.	1.7	48
68	Persistent influence of obliquity on ice age terminations since the Middle Pleistocene transition. <i>Science</i> , 2020, 367, 1235-1239.	12.6	48
69	The demise of the Last Interglacial recorded in isotopically dated speleothems from the Alps. <i>Quaternary Science Reviews</i> , 2008, 27, 476-496.	3.0	47
70	Reconstruction of drip-water $\delta^{18}O$ based on calcite oxygen and clumped isotopes of speleothems from Bunker Cave (Germany). <i>Climate of the Past</i> , 2013, 9, 377-391.	3.4	47
71	Timing and progression of the Last Interglacial derived from a high alpine stalagmite. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	46
72	Speleothems from the earliest Quaternary: Snapshots of paleoclimate and landscape evolution at the northern rim of the Alps. <i>Quaternary Science Reviews</i> , 2009, 28, 1374-1391.	3.0	46

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73	Neotectonic extrusion of the Eastern Alps: Constraints from U/Th dating of tectonically damaged speleothems. <i>Geology</i> , 2010, 38, 483-486.	4.4	46
74	North Atlantic Ice Rafting, Ocean and Atmospheric Circulation During the Holocene: Insights From Western Mediterranean Speleothems. <i>Geophysical Research Letters</i> , 2019, 46, 7614-7623.	4.0	46
75	Persistent influence of the North Atlantic hydrography on central European winter temperature during the last 9000 years. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	45
76	High resolution $\delta^{18}O$ and $\delta^{13}C$ records from an annually laminated Scottish stalagmite and relationship with last millennium climate. <i>Global and Planetary Change</i> , 2011, 79, 303-311.	3.5	45
77	Devils Hole paleotemperatures and implications for oxygen isotope equilibrium fractionation. <i>Earth and Planetary Science Letters</i> , 2014, 400, 251-260.	4.4	45
78	Primary dolomite in the Late Triassic Travenanzes Formation, Dolomites, Northern Italy: Facies control and possible bacterial influence. <i>Sedimentology</i> , 2015, 62, 697-716.	3.1	45
79	A 200-year annually laminated stalagmite record of precipitation seasonality in southeastern China and its linkages to ENSO and PDO. <i>Scientific Reports</i> , 2018, 8, 12344.	3.3	45
80	Diagenesis of speleothems and its effect on the accuracy of $^{230}Th/U$ -ages. <i>Chemical Geology</i> , 2014, 387, 74-86.	3.3	44
81	Reconciliation of the Devils Hole climate record with orbital forcing. <i>Science</i> , 2016, 351, 165-168.	12.6	44
82	Turonian Oceanic Red Beds in the Eastern Alps: Concepts for palaeoceanographic changes in the Mediterranean Tethys. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 251, 222-238.	2.3	43
83	Isotope hydrology of dripwaters in a Scottish cave and implications for stalagmite palaeoclimate research. <i>Hydrology and Earth System Sciences</i> , 2008, 12, 1065-1074.	4.9	43
84	Precise microsampling of poorly laminated speleothems for U-series dating. <i>Quaternary Geochronology</i> , 2012, 14, 38-47.	1.4	43
85	The loess-paleosol sequence at Monte Netto: a record of climate change in the Upper Pleistocene of the central Po Plain, northern Italy. <i>Journal of Soils and Sediments</i> , 2015, 15, 1329-1350.	3.0	43
86	Hydrogeochemistry and fractionation pathways of Mg isotopes in a continental weathering system: Lessons from field experiments. <i>Chemical Geology</i> , 2012, 300-301, 109-122.	3.3	42
87	Petrology and geochemistry of annually laminated stalagmites from an Alpine cave (Obir, Austria): seasonal cave physiology. <i>Geological Society Special Publication</i> , 2010, 336, 295-321.	1.3	41
88	Reconstruction of late Holocene autumn/winter precipitation variability in SW Romania from a high-resolution speleothem trace element record. <i>Earth and Planetary Science Letters</i> , 2018, 499, 122-133.	4.4	41
89	The Alpine Haselgebirge Formation, Northern Calcareous Alps (Austria): Permo-Scythian evaporites in an alpine thrust system. <i>Sedimentary Geology</i> , 1989, 65, 113-125.	2.1	40
90	Millennial-length forward models and pseudoproxies of stalagmite $\delta^{18}O$: an example from NW Scotland. <i>Climate of the Past</i> , 2012, 8, 1153-1167.	3.4	40

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91	Regional climate variability and ecosystem responses to the last deglaciation in the northern hemisphere from stable isotope data and calcite fabrics in two northern Adriatic stalagmites. <i>Quaternary Science Reviews</i> , 2013, 72, 146-158.	3.0	40
92	Abiogenic silica layers within a fluvio-lacustrine succession, Bolzano Volcanic Complex, northern Italy: a Permian analogue for Magadi-type cherts?. <i>Sedimentology</i> , 1998, 45, 489-505.	3.1	39
93	Carbonate Speleothems in the Dry, Inneralpine Vinschgau Valley, Northernmost Italy: Witnesses of Changes in Climate and Hydrology Since the Last Glacial Maximum. <i>Journal of Sedimentary Research</i> , 2002, 72, 793-808.	1.6	39
94	Humid climate during deposition of sapropel 1 in the Mediterranean Sea: Assessing the influence on the Alps. <i>Global and Planetary Change</i> , 2010, 71, 242-248.	3.5	39
95	First investigations of an ice core from Eisriesenwelt cave (Austria). <i>Cryosphere</i> , 2011, 5, 81-93.	3.9	39
96	Late Pleistocene climate change and landscape dynamics in the Eastern Alps: the inner-alpine Unterangerberg record (Austria). <i>Quaternary Science Reviews</i> , 2013, 68, 17-42.	3.0	39
97	Age, soil-forming processes, and archaeology of the loess deposits at the Apennine margin of the Po plain (northern Italy): New insights from the Chiardo area. <i>Quaternary International</i> , 2015, 376, 173-188.	1.5	39
98	NALPS19: sub-orbital-scale climate variability recorded in northern Alpine speleothems during the last glacial period. <i>Climate of the Past</i> , 2020, 16, 29-50.	3.4	39
99	A terrestrial U/Th-dated stable isotope record of the Penultimate Interglacial. <i>Earth and Planetary Science Letters</i> , 2008, 276, 283-292.	4.4	38
100	Chronology of the Last Glacial Maximum in the Salzach palaeoglacier area (Eastern Alps). <i>Journal of Quaternary Science</i> , 2011, 26, 502-510.	2.1	37
101	Laminated carbonate deposits in Roman aqueducts: Origin, processes and implications. <i>Sedimentology</i> , 2013, 60, 961-982.	3.1	37
102	Timing and causes of North African wet phases during the last glacial period and implications for modern human migration. <i>Scientific Reports</i> , 2016, 6, 36367.	3.3	36
103	Increased autumn and winter precipitation during the Last Glacial Maximum in the European Alps. <i>Nature Communications</i> , 2021, 12, 1839.	12.8	35
104	Speleothem record attests to stable environmental conditions during Neanderthal–modern human turnover in southern Italy. <i>Nature Ecology and Evolution</i> , 2020, 4, 1188-1195.	7.8	34
105	A multimillennial climatic context for the megafaunal extinctions in Madagascar and Mascarene Islands. <i>Science Advances</i> , 2020, 6, .	10.3	33
106	The mass and energy balance of ice within the Eisriesenwelt cave, Austria. <i>Cryosphere</i> , 2011, 5, 245-257.	3.9	32
107	Cuban stalagmite suggests relationship between Caribbean precipitation and the Atlantic Multidecadal Oscillation during the past 1.3 ka. <i>Holocene</i> , 2012, 22, 1405-1412.	1.7	32
108	Sensitivity of Bunker Cave to climatic forcings highlighted through multi-annual monitoring of rain-, soil-, and dripwaters. <i>Chemical Geology</i> , 2017, 449, 194-205.	3.3	32

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109	A simple method of soil gas stable carbon isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1239-1242.	1.5	31
110	Aragonite dissolution, sedimentation rates and carbon isotopes in deep-water hemipelagites (Livinallongo Formation, Middle Triassic, northern Italy). <i>Sedimentary Geology</i> , 2005, 181, 173-194.	2.1	31
111	U/Th age constraints on the absence of ice in the central Inn Valley (eastern Alps, Austria) during Marine Isotope Stages 5c to 5a. <i>Quaternary Research</i> , 2006, 66, 167-175.	1.7	31
112	Evaluation of bulk carbonate $\delta^{13}\text{C}$ data from Triassic hemipelagites and the initial composition of carbonate mud. <i>Sedimentology</i> , 2009, 56, 1329-1345.	3.1	31
113	Clumped isotope thermometry of cryogenic cave carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 541-554.	3.9	31
114	Evidence of warm and humid interstadials in central Europe during early MIS 3 revealed by a multi-proxy speleothem record. <i>Quaternary Science Reviews</i> , 2018, 200, 276-286.	3.0	31
115	Reconstructing the western boundary variability of the Western Pacific Subtropical High over the past 200 years via Chinese cave oxygen isotope records. <i>Climate Dynamics</i> , 2019, 52, 3741-3757.	3.8	31
116	The giant oyster <i>Hyothisa hyotis</i> from the northern Red Sea as a decadal-scale archive for seasonal environmental fluctuations in coral reef habitats. <i>Coral Reefs</i> , 2010, 29, 1061-1075.	2.2	30
117	The magnesium isotope record of cave carbonate archives. <i>Climate of the Past</i> , 2012, 8, 1849-1867.	3.4	29
118	A new radiocarbon chronology of Baumkirchen, stratotype for the onset of the Upper Würmian in the Alps. <i>Journal of Quaternary Science</i> , 2013, 28, 552-558.	2.1	29
119	The Influences of Hydrology on the Radiogenic and Stable Carbon Isotope Composition of Cave Drip Water, Grotta di Ernesto (Italy). <i>Radiocarbon</i> , 2010, 52, 1529-1544.	1.8	28
120	$\delta^{18}\text{O}$ values of cave drip water: a promising proxy for the reconstruction of the North Atlantic Oscillation?. <i>Climate Dynamics</i> , 2015, 45, 3035-3050.	3.8	28
121	A nanocrystalline monoclinic CaCO_3 precursor of metastable aragonite. <i>Science Advances</i> , 2018, 4, eaau6178.	10.3	28
122	Scientific drilling of speleothems - a technical note. <i>International Journal of Speleology</i> , 2012, 41, 29-34.	1.0	27
123	A long record of MIS 7 and MIS 5 climate and environment from a western Mediterranean speleothem (SW Sardinia, Italy). <i>Quaternary Science Reviews</i> , 2019, 220, 230-243.	3.0	27
124	Combined records from a stalagmite from Barbados and from lake sediments in Haiti reveal variable seasonality in the Caribbean between 6.7 and 3ka BP. <i>Quaternary Science Reviews</i> , 2007, 26, 1332-1343.	3.0	26
125	Stable isotopes in a stalagmite from NW Sweden document environmental changes over the past 4000 years. <i>Boreas</i> , 2010, 39, 77-86.	2.4	26
126	Alpine permafrost thawing during the Medieval Warm Period identified from cryogenic cave carbonates. <i>Cryosphere</i> , 2013, 7, 1073-1081.	3.9	26

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127	Contribution of carbonate weathering to the CO ₂ efflux from temperate forest soils. <i>Biogeochemistry</i> , 2015, 124, 273-290.	3.5	26
128	Long-term mass balance of perennial firn and ice in an Alpine cave (Austria): Constraints from radiocarbon-dated wood fragments. <i>Holocene</i> , 2014, 24, 165-175.	1.7	25
129	Evidence of thermophilisation and elevation-dependent warming during the Last Interglacial in the Italian Alps. <i>Scientific Reports</i> , 2018, 8, 2680.	3.3	25
130	The Santonian – Campanian boundary and the end of the Long Cretaceous Normal Polarity-Chron: Isotope and plankton stratigraphy of a pelagic reference section in the NW Tethys (Austria). <i>Newsletters on Stratigraphy</i> , 2018, 51, 445-476.	1.2	25
131	Effect of precipitation seasonality on annual oxygen isotopic composition in the area of spring persistent rain in southeastern China and its paleoclimatic implication. <i>Climate of the Past</i> , 2020, 16, 211-225.	3.4	25
132	Fluid-rock reactions in an evaporitic mélange, Permian Haselgebirge, Austrian Alps. <i>Sedimentology</i> , 1998, 45, 1019-1044.	3.1	24
133	Synchrotron X-ray distinction of seasonal hydrological and temperature patterns in speleothem carbonate. <i>Environmental Chemistry</i> , 2014, 11, 28.	1.5	24
134	Data on the ¹⁴ C date obtained from the charcoal figure “Black fox” in Shulgan-Tash (Kapova) cave, Southern Ural, Russia. <i>Data in Brief</i> , 2018, 21, 1101-1105.	1.0	24
135	Reconstructing palaeoprecipitation from an active cave flowstone. <i>Journal of Quaternary Science</i> , 2011, 26, 675-687.	2.1	23
136	Modern aragonite formation at near-freezing conditions in an alpine cave, Carnic Alps, Austria. <i>Chemical Geology</i> , 2016, 435, 60-70.	3.3	23
137	Carbon isotope exchange between gaseous CO ₂ and thin solution films: Artificial cave experiments and a complete diffusion-reaction model. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 211, 28-47.	3.9	23
138	Caribbean hydroclimate and vegetation history across the last glacial period. <i>Quaternary Science Reviews</i> , 2019, 218, 75-90.	3.0	23
139	Estimating the upper limit of prehistoric peak ground acceleration using an in situ, intact and vulnerable stalagmite from Plavecká priepasť cave (Detrekőzsomboly), Little Carpathians, Slovakia – first results. <i>Journal of Seismology</i> , 2017, 21, 1111-1130.	1.3	22
140	Sulphate partitioning into calcite: Experimental verification of pH control and application to seasonality in speleothems. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 226, 69-83.	3.9	22
141	Carbon and oxygen isotope fractionation in the water-calcite-aragonite system. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 127-139.	3.9	22
142	Inter-hemispheric synchronicity of Holocene precipitation anomalies controlled by Earth’s latitudinal insolation gradients. <i>Nature Communications</i> , 2020, 11, 5447.	12.8	22
143	Precisely dated multidecadally resolved Asian summer monsoon dynamics 113.5 – 86.6 thousand years ago. <i>Quaternary Science Reviews</i> , 2016, 143, 1-12.	3.0	21
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