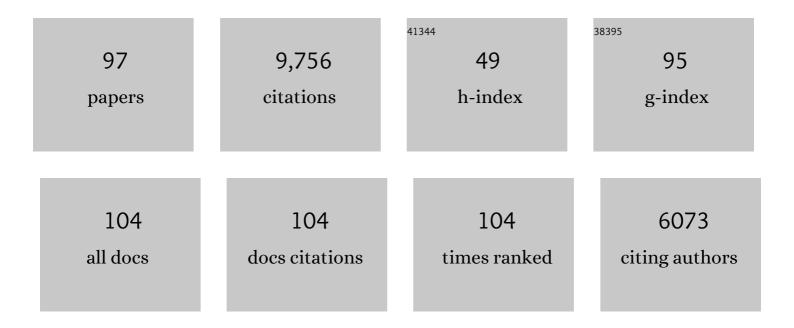
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Anthropocene: Comparing Its Meaning in Geology (Chronostratigraphy) with Conceptual Approaches Arising in Other Disciplines. Earth's Future, 2021, 9, e2020EF001896.	6.3	61
2	ISODRIP, a model to transfer the δ18O signal of precipitation to drip water — Implementation of the model for Eagle Cave (central Spain). Science of the Total Environment, 2021, 797, 149188.	8.0	2
3	Hydrological and geochemical responses of fire in a shallow cave system. Science of the Total Environment, 2019, 662, 180-191.	8.0	12
4	A formal Anthropocene is compatible with but distinct from its diachronous anthropogenic counterparts: a response to W.F. Ruddiman's â€`three flaws in defining a formal Anthropocene'. Progress in Physical Geography, 2019, 43, 319-333.	3.2	28
5	North Iberian temperature and rainfall seasonality over the Younger Dryas and Holocene. Quaternary Science Reviews, 2019, 226, 105998.	3.0	34
6	Stable isotopes of oxygen and hydrogen in meteoric water during the Cryogenian Period. Precambrian Research, 2019, 320, 253-260.	2.7	1
7	Sulphate partitioning into calcite: Experimental verification of pH control and application to seasonality in speleothems. Geochimica Et Cosmochimica Acta, 2018, 226, 69-83.	3.9	22
8	Global Boundary Stratotype Section and Point (GSSP) for the Anthropocene Series: Where and how to look for potential candidates. Earth-Science Reviews, 2018, 178, 379-429.	9.1	153
9	Tonian-Cryogenian boundary sections of Argyll, Scotland. Precambrian Research, 2018, 319, 37-64.	2.7	32
10	Assessing acid rain and climate effects on the temporal variation of dissolved organic matter in the unsaturated zone of a karstic system from southern China. Journal of Hydrology, 2018, 556, 475-487.	5.4	17
11	How to date natural archives of the Anthropocene. Geology Today, 2018, 34, 182-187.	0.9	14
12	The impact of fire on the geochemistry of speleothem-forming drip water in a sub-alpine cave. Science of the Total Environment, 2018, 642, 408-420.	8.0	9
13	Geochemistry of speleothems affected by aragonite to calcite recrystallization – Potential inheritance from the precursor mineral. Geochimica Et Cosmochimica Acta, 2017, 200, 310-329.	3.9	26
14	The Working Group on the Anthropocene: Summary of evidence and interim recommendations. Anthropocene, 2017, 19, 55-60.	3.3	310
15	Snowball Earth climate dynamics and Cryogenian geology-geobiology. Science Advances, 2017, 3, e1600983.	10.3	424
16	Making the case for a formal Anthropocene Epoch: an analysis of ongoing critiques. Newsletters on Stratigraphy, 2017, 50, 205-226.	1.2	100
17	A post-wildfire response in cave dripwater chemistry. Hydrology and Earth System Sciences, 2016, 20, 2745-2758.	4.9	23
18	Stratigraphic and Earth System approaches to defining the Anthropocene. Earth's Future, 2016, 4, 324-345.	6.3	162

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19	Glacitectonism, subglacial and glacilacustrine processes during a Neoproterozoic panglaciation, northâ€east Svalbard. Sedimentology, 2016, 63, 411-442.	3.1	19
20	Continental carbonate facies of a Neoproterozoic panglaciation, northâ€east Svalbard. Sedimentology, 2016, 63, 443-497.	3.1	37
21	Sedimentological perspectives on climatic, atmospheric and environmental change in the Neoproterozoic Era. Sedimentology, 2016, 63, 253-306.	3.1	75
22	The Late Cryogenian Warm Interval, NE Svalbard: Chemostratigraphy and genesis. Precambrian Research, 2016, 281, 128-154.	2.7	29
23	Neoproterozoic glass-bleeding. Nature Geoscience, 2016, 9, 192-193.	12.9	4
24	Effects of wildfire on long-term soil CO2 concentration: implications for karst processes. Environmental Earth Sciences, 2016, 75, 1.	2.7	15
25	When did the Anthropocene begin? A mid-twentieth century boundary level is stratigraphically optimal. Quaternary International, 2015, 383, 196-203.	1.5	546
26	Regional temperature, atmospheric circulation, and sea-ice variability within the Younger Dryas Event constrained using a speleothem from northern Iberia. Earth and Planetary Science Letters, 2015, 419, 101-110.	4.4	75
27	Orbitally forced ice sheet fluctuations during the Marinoan Snowball Earth glaciation. Nature Geoscience, 2015, 8, 704-707.	12.9	59
28	Sulphate concentration in cave dripwater and speleothems: long-term trends and overview of its significance as proxy for environmental processes and climate changes. Quaternary Science Reviews, 2015, 127, 48-60.	3.0	19
29	Impacts of cave air ventilation and in-cave prior calcite precipitation on Golgotha Cave dripwater chemistry, southwest Australia. Quaternary Science Reviews, 2015, 127, 61-72.	3.0	52
30	Is global warming affecting cave temperatures? Experimental and model data from a paradigmatic case study. Climate Dynamics, 2015, 45, 569-581.	3.8	49
31	Spatial variability and temporal trends in waterâ€use efficiency of European forests. Global Change Biology, 2014, 20, 3700-3712.	9.5	175
32	Synchrotron X-ray distinction of seasonal hydrological and temperature patterns in speleothem carbonate. Environmental Chemistry, 2014, 11, 28.	1.5	24
33	Definition of the Anthropocene: a view from the underworld. Geological Society Special Publication, 2014, 395, 239-254.	1.3	9
34	Preservation of NOM-metal complexes in a modern hyperalkaline stalagmite: Implications for speleothem trace element geochemistry. Geochimica Et Cosmochimica Acta, 2014, 128, 29-43.	3.9	33
35	Biogeochemical cycling of sulphur in karst and transfer into speleothem archives at Grotta di Ernesto, Italy. Biogeochemistry, 2013, 114, 255-267.	3.5	43
36	Cave aerosols: distribution and contribution to speleothem geochemistry. Quaternary Science Reviews, 2013, 63, 23-41.	3.0	73

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37	Reconstruction of cave air temperature based on surface atmosphere temperature and vegetation changes: Implications for speleothem palaeoclimate records. Earth and Planetary Science Letters, 2013, 369-370, 158-168.	4.4	31
38	An isotopic and modelling study of flow paths and storage in Quaternary calcarenite, SW Australia: implications for speleothem paleoclimate records. Quaternary Science Reviews, 2013, 64, 90-103.	3.0	58
39	Microstructures in metasedimentary rocks from the Neoproterozoic Bonahaven Formation, Scotland: Microconcretions, impact spherules, or microfossils?. Precambrian Research, 2013, 233, 59-72.	2.7	14
40	A method to anchor floating chronologies in annually laminated speleothems with U–Th dates. Quaternary Geochronology, 2012, 14, 57-66.	1.4	24
41	From soil to cave: Transport of trace metals by natural organic matter in karst dripwaters. Chemical Geology, 2012, 304-305, 68-82.	3.3	122
42	Carbon mass-balance modelling and carbon isotope exchange processes in dynamic caves. Geochimica Et Cosmochimica Acta, 2011, 75, 380-400.	3.9	173
43	Size, speciation and lability of NOM–metal complexes in hyperalkaline cave dripwater. Geochimica Et Cosmochimica Acta, 2011, 75, 7533-7551.	3.9	50
44	High resolution δ18O and δ13C records from an annually laminated Scottish stalagmite and relationship with last millennium climate. Global and Planetary Change, 2011, 79, 303-311.	3.5	45
45	A 500 yr speleothem-derived reconstruction of late autumn–winter precipitation, northeast Turkey. Quaternary Research, 2011, 75, 399-405.	1.7	23
46	Chapter 62 The Port Askaig Formation, Dalradian Supergroup, Scotland. Geological Society Memoir, 2011, 36, 635-642.	1.7	3
47	Epikarst hydrology and implications for stalagmite capture of climate changes at Grotta di Ernesto (NE Italy): results from longâ€ŧerm monitoring. Hydrological Processes, 2010, 24, 3101-3114.	2.6	63
48	Petrology and geochemistry of annually laminated stalagmites from an Alpine cave (Obir, Austria): seasonal cave physiology. Geological Society Special Publication, 2010, 336, 295-321.	1.3	41
49	Seasonal microclimate control of calcite fabrics, stable isotopes and trace elements in modern speleothem from St Michaels Cave, Gibraltar. Geological Society Special Publication, 2010, 336, 323-344.	1.3	66
50	Calibration of speleothem δ180 with instrumental climate records from Turkey. Global and Planetary Change, 2010, 71, 207-217.	3.5	44
51	High-resolution sulphur isotope analysis of speleothem carbonate by secondary ionisation mass spectrometry. Chemical Geology, 2010, 271, 101-107.	3.3	58
52	Stretching the Envelope of Past Surface Environments: Neoproterozoic Glacial Lakes from Svalbard. Science, 2009, 323, 119-122.	12.6	90
53	The sulphur isotope and hydrochemical characteristics of Skeiúarársandur, Iceland: identification of solute sources and implications for weathering processes. Hydrological Processes, 2009, 23, 2212-2224.	2.6	19
54	Trace elements in speleothems as recorders of environmental change. Quaternary Science Reviews, 2009, 28, 449-468.	3.0	422

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55	Sulfur Fixation in Wood Mapped by Synchrotron X-ray Studies: Implications for Environmental Archives. Environmental Science & Technology, 2009, 43, 1310-1315.	10.0	51
56	Chronology building using objective identification of annual signals in trace element profiles of stalagmites. Quaternary Geochronology, 2009, 4, 11-21.	1.4	75
57	Isotopic archives of sulphate in speleothems. Geochimica Et Cosmochimica Acta, 2008, 72, 2465-2477.	3.9	54
58	Hydrogeological implications of glacial landscape evolution at Skeiúarársandur, SE Iceland. Geomorphology, 2008, 97, 218-236.	2.6	28
59	Neoproterozoic glaciation in the Earth System. Journal of the Geological Society, 2007, 164, 895-921.	2.1	196
60	Trace element distribution in annual stalagmite laminae mapped by micrometer-resolution X-ray fluorescence: Implications for incorporation of environmentally significant species. Geochimica Et Cosmochimica Acta, 2007, 71, 1494-1512.	3.9	205
61	Analysis of the climate signal contained within δ18O and growth rate parameters in two Ethiopian stalagmites. Geochimica Et Cosmochimica Acta, 2007, 71, 2975-2988.	3.9	69
62	Modelling of dripwater hydrology and hydrogeochemistry in a weakly karstified aquifer (Bath, UK): Implications for climate change studies. Journal of Hydrology, 2006, 321, 213-231.	5.4	100
63	Modification and preservation of environmental signals in speleothems. Earth-Science Reviews, 2006, 75, 105-153.	9.1	669
64	Reconstructing hemispheric-scale climates from multiple stalagmite records. International Journal of Climatology, 2006, 26, 1417-1424.	3.5	37
65	Annual trace element cycles in calcite-aragonite speleothems: evidence of drought in the western Mediterranean 1200-1100 yr BP. Journal of Quaternary Science, 2005, 20, 423-433.	2.1	110
66	An experimental study of incongruent dissolution of CaCO ₃ under analogue glacial conditions. Journal of Glaciology, 2005, 51, 383-390.	2.2	33
67	Relative contributions of silicate and carbonate rocks to riverine Sr fluxes in the headwaters of the Ganges. Geochimica Et Cosmochimica Acta, 2005, 69, 2221-2240.	3.9	142
68	Cave air control on dripwater geochemistry, Obir Caves (Austria): Implications for speleothem deposition in dynamically ventilated caves. Geochimica Et Cosmochimica Acta, 2005, 69, 2451-2468.	3.9	345
69	Variations in atmospheric sulphate recorded in stalagmites by synchrotron micro-XRF and XANES analyses. Earth and Planetary Science Letters, 2005, 235, 729-740.	4.4	108
70	Soil and karst aquifer hydrological controls on the geochemical evolution of speleothem-forming drip waters, Crag Cave, southwest Ireland. Journal of Hydrology, 2003, 273, 51-68.	5.4	232
71	Fluxes of Sr into the headwaters of the Ganges. Geochimica Et Cosmochimica Acta, 2003, 67, 2567-2584.	3.9	91
72	Structure of the 8200-Year Cold Event Revealed by a Speleothem Trace Element Record. Science, 2002, 296, 2203-2206.	12.6	179

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73	Partitioning of Sr2+ and Mg2+ into calcite under karst-analogue experimental conditions. Geochimica Et Cosmochimica Acta, 2001, 65, 47-62.	3.9	265
74	Seasonal variations in Sr, Mg and P in modern speleothems (Grotta di Ernesto, Italy). Chemical Geology, 2001, 175, 429-448.	3.3	186
75	Annual to sub-annual resolution of multiple trace-element trends in speleothems. Journal of the Geological Society, 2001, 158, 831-841.	2.1	148
76	Mg, Sr and Sr isotope geochemistry of a Belgian Holocene speleothem: implications for paleoclimate reconstructions. Chemical Geology, 2000, 169, 131-144.	3.3	103
77	Controls on trace element (Sr–Mg) compositions of carbonate cave waters: implications for speleothem climatic records. Chemical Geology, 2000, 166, 255-269.	3.3	470
78	CONTROLS ON Sr AND C ISOTOPE COMPOSITIONS OF NEOPROTEROZOIC Sr-RICH LIMESTONES OF EAST GREENLAND AND NORTH CHINA. , 2000, , 297-313.		29
79	Solute generation and transfer from a chemically reactive alpine glacial-proglacial system. Earth Surface Processes and Landforms, 1999, 24, 1189-1211.	2.5	60
80	Holocene climate variability in Europe: Evidence from δ180, textural and extension-rate variations in three speleothems. Quaternary Science Reviews, 1999, 18, 1021-1038.	3.0	200
81	Interactions of calcareous suspended sediment with glacial meltwater: a field test of dissolution behaviour. Chemical Geology, 1999, 155, 243-263.	3.3	44
82	Widespread bacterial populations at glacier beds and their relationship to rock weathering and carbon cycling. Geology, 1999, 27, 107.	4.4	236
83	Possible seismic origin of molar tooth structures in Neoproterozoic carbonate ramp deposits, north China. Sedimentology, 1997, 44, 611-636.	3.1	53
84	Hydrochemistry of carbonate terrains in alpine glacial settings. Earth Surface Processes and Landforms, 1994, 19, 33-54.	2.5	77
85	Calcified Microbes in Neoproterozoic Carbonates: Implications for Our Understanding of the Proterozoic/Cambrian Transition. Palaios, 1993, 8, 512.	1.3	108
86	Coastal lithofacies and biofacies associated with syndepositional dolomitization and silicification (Draken Formation, Upper Riphean, Svalbard). Precambrian Research, 1991, 53, 165-197.	2.7	37
87	Origins of carbonate in Neoproterozoic stromatolites and the identification of modern analogues. Precambrian Research, 1991, 53, 281-299.	2.7	54
88	Carbonate minerals in glacial sediments: geochemical clues to palaeoenvironment. Geological Society Special Publication, 1990, 53, 201-216.	1.3	18
89	A tempestite-stromatolite-evaporite association (late Vendian, East Greenland): a shoreface-lagoon model. Precambrian Research, 1989, 43, 101-127.	2.7	41
90	Carbonate shelf and slope fades evolution prior to Vendian glaciation, central East Greenland. , 1989, , 263-273.		11

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91	Dolomitic stromatolite-bearing units with storm deposits from the Vendian of East Greenland and Scotland: a case of facies equivalence. , 1989, , 275-283.		7
92	Mixing zone dolomitization of Devonian carbonates, Guangxi, South China. Geological Society Special Publication, 1987, 36, 157-170.	1.3	7
93	Petrological and isotopic implications of some contrasting Late Precambrian carbonates, NE Spitsbergen. Sedimentology, 1987, 34, 973-989.	3.1	92
94	The Vendian succession of northeastern Spitsbergen: Petrogenesis of a dolomite-tillite association. Precambrian Research, 1984, 26, 111-167.	2.7	105
95	Chemical controls of cathodoluminescence of natural dolomites and calcites: new data and review. Sedimentology, 1983, 30, 579-583.	3.1	90
96	Effects of glacial transport and neomorphism on Precambrian dolomite crystal sizes. Nature, 1983, 304, 714-716.	27.8	29
97	Stages in a Precambrian dolomitization, Scotland: cementing versus replacement textures. Sedimentology, 1980, 27, 631-650.	3.1	23