J R Mcconnell

List of Publications by Year
in descending order

147 papers	12,824 citations	30070 54 h-index	28297 105 g-index
208 all docs	208 docs citations	208 times ranked	13032 citing authors

#	Article	IF	Citations
1	Historical (1850â€“2000) gridded anthropogenic and biomass burning emissions of reactive gases and aerosols: methodology and application. Atmospheric Chemistry and Physics, 2010, 10, 7017-7039.	4.9	2,020
2	Timing and climate forcing of volcanic eruptions for the past 2,500 years. Nature, 2015, 523, 543-549.	27.8	824
3	20th-Century Industrial Black Carbon Emissions Altered Arctic Climate Forcing. Science, 2007, 317, 1381-1384.	12.6	562
4	An overview of snow photochemistry: evidence, mechanisms and impacts. Atmospheric Chemistry and Physics, 2007, 7, 4329-4373.	4.9	554
5	Centennial-scale changes in the global carbon cycle during the last deglaciation. Nature, 2014, 514, 616-619.	27.8	380
6	Observed 20th century desert dust variability: impact on climate and biogeochemistry. Atmospheric Chemistry and Physics, 2010, 10, 10875-10893.	4.9	355
7	Multi-model mean nitrogen and sulfur deposition from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): evaluation of historical and projected future changes. Atmospheric Chemistry and Physics, 2013, 13, 7997-8018.	4.9	279
8	Coal burning leaves toxic heavy metal legacy in the Arctic. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12140-12144.	7.1	265
9	Snowfall-Driven Growth in East Antarctic Ice Sheet Mitigates Recent Sea-Level Rise. Science, 2005, 308, 1898-1901.	12.6	230
10	A new bipolar ice core record of volcanism from WAIS Divide and NEEM and implications for climate forcing of the last 2000â€‰years. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1151-1169.	3.3	217
11	20th-Century doubling in dust archived in an Antarctic Peninsula ice core parallels climate change and desertification in South America. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5743-5748.	7.1	206
12	Extensive liquid meltwater storage in firn within the Greenland ice sheet. Nature Geoscience, 2014, 7, 95-98.	12.9	196
13	Continuous Ice-Core Chemical Analyses Using Inductively Coupled Plasma Mass Spectrometry. Environmental Science & Technology, 2002, 36, 7-11.	10.0	189
14	Multiradionuclide evidence for the solar origin of the cosmic-ray events of AD 774/5 and 993/4. Nature Communications, 2015, 6, 8611.	12.8	188
15	Lead pollution recorded in Greenland ice indicates European emissions tracked plagues, wars, and imperial expansion during antiquity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5726-5731.	7.1	174
16	The WAIS Divide deep ice core WD2014 chronology â€“ Part 1: Methane synchronization (68â€“31 ka BP) and the gas ageâ€“ice age difference. Climate of the Past, 2015, 11, 153-173.	3.4	172
17	A doubling in snow accumulation in the western Antarctic Peninsula since 1850. Geophysical Research Letters, 2008, 35, .	4.0	148
18	The WAIS Divide deep ice core WD2014 chronology â€“ Part 2: Annual-layer counting (0â€“31â€¯kaâ€¯BP). Climate of the Past, 2016, 12, 769-786.	3.4	137

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19	Insights from Antarctica on volcanic forcing during the Common Era. Nature Climate Change, 2014, 4, 693-697.	18.8	129
20	Evaluation of preindustrial to present-day black carbon and its albedo forcing from Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 2607-2634.	4.9	125
21	Climate change and forest fires synergistically drive widespread melt events of the Greenland Ice Sheet. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7964-7967.	7.1	122
22	Airborneâ€radar and iceâ€core observations of annual snow accumulation over Thwaites Glacier, West Antarctica confirm the spatiotemporal variability of global and regional atmospheric models. Geophysical Research Letters, 2013, 40, 3649-3654.	4.0	119
23	Greenland Ice Sheet surface mass balance 1870 to 2010 based on Twentieth Century Reanalysis, and links with global climate forcing. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	118
24	Enhanced tropical methane production in response to iceberg discharge in the North Atlantic. Science, 2015, 348, 1016-1019.	12.6	118
25	Transatlantic distribution of the Alaskan White River Ash. Geology, 2014, 42, 875-878.	4.4	116
26	Nonlinear rise in Greenland runoff in response to post-industrial Arctic warming. Nature, 2018, 564, 104-108.	27.8	114
27	Abrupt ice-age shifts in southern westerly winds and Antarctic climate forced from the north. Nature, 2018, 563, 681-685.	27.8	108
28	Local to regional-scale variability of annual net accumulation on the Greenland ice sheet from PARCA cores. Journal of Geophysical Research, 2001, 106, 33839-33851.	3.3	106
29	Fire in ice: two millennia of boreal forest fire history from the Greenland NEEM ice core. Climate of the Past, 2014, 10, 1905-1924.	3.4	99
30	Coupled Aerosol-Chemistryâ€“Climate Twentieth-Century Transient Model Investigation: Trends in Short-Lived Species and Climate Responses. Journal of Climate, 2011, 24, 2693-2714.	3.2	98
31	Changes in black carbon deposition to Antarctica from two high-resolution ice core records, 1850â€“2000 AD. Atmospheric Chemistry and Physics, 2012, 12, 4107-4115.	4.9	97
32	Ash from Changbaishan Millennium eruption recorded in Greenland ice: Implications for determining the eruption's timing and impact. Geophysical Research Letters, 2014, 41, 694-701.	4.0	91
33	Constraining the recent mass balance of Pine Island and Thwaites glaciers, West Antarctica, with airborne observations of snow accumulation. Cryosphere, 2014, 8, 1375-1392.	3.9	90
34	Carbon and hydrogen isotopic composition of methane over the last 1000 years. Global Biogeochemical Cycles, 2009, 23, .	4.9	88
35	One hundred years of Arctic surface temperature variation due to anthropogenic influence. Scientific Reports, 2013, 3, 2645.	3.3	87
36	The Carrington event not observed in most ice core nitrate records. Geophysical Research Letters, 2012, 39, .	4.0	85

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37	An 860 km surface mass-balance profile on the East Antarctic plateau derived by GPR. Annals of Glaciology, 2010, 51, 1-8.	1.4	84
38	Antarctic-wide array of high-resolution ice core records reveals pervasive lead pollution began in 1889 and persists today. Scientific Reports, 2014, 4, 5848.	3.3	84
39	Greenland precipitation trends in a longâ€term instrumental climate context (1890â€“2012): evaluation of coastal and ice core records. International Journal of Climatology, 2015, 35, 303-320.	3.5	84
40	Retention and radiative forcing of black carbon in eastern Sierra Nevada snow. Cryosphere, 2013, 7, 365-374.	3.9	81
41	Ice core evidence for a 20th century decline of sea ice in the Bellingshausen Sea, Antarctica. Journal of Geophysical Research, 2010, 115, .	3.3	80
42	Multidecadal variability of atmospheric methane, 1000â€“1800 C.E.. Journal of Geophysical Research, 2011, 116, .	3.3	78
43	Changes in Greenland ice sheet elevation attributed primarily to snow accumulation variability. Nature, 2000, 406, 877-879.	27.8	76
44	Greenland records of aerosol source and atmospheric lifetime changes from the Eemian to the Holocene. Nature Communications, 2018, 9, 1476.	12.8	74
45	Elevation change of the Greenland Ice Sheet due to surface mass balance and firn processes, 1960â€“2014. Cryosphere, 2015, 9, 2009-2025.	3.9	73
46	Annual Greenland accumulation rates (2009â€“2012) from airborne snow radar. Cryosphere, 2016, 10, 1739-1752.	3.9	73
47	A 250-year high-resolution record of Pb flux and crustal enrichment in central Greenland. Geophysical Research Letters, 2002, 29, 45-1-45-4.	4.0	71
48	Boreal fire records in Northern Hemisphere ice cores: a review. Climate of the Past, 2016, 12, 2033-2059.	3.4	70
49	Multidecadal trends in aerosol radiative forcing over the Arctic: Contribution of changes in anthropogenic aerosol to Arctic warming since 1980. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3573-3594.	3.3	70
50	Atmospheric CO₂ over the last 1000 years: A highâ€resolution record from the West Antarctic Ice Sheet (WAIS) Divide ice core. Global Biogeochemical Cycles, 2012, 26, .	4.9	68
51	Spatial and temporal variability in snow accumulation at the West Antarctic Ice Sheet Divide over recent centuries. Journal of Geophysical Research, 2008, 113, .	3.3	65
52	Continuous methane measurements from a late Holocene Greenland ice core: Atmospheric and in-situ signals. Earth and Planetary Science Letters, 2013, 368, 9-19.	4.4	65
53	New Zealand supereruption provides time marker for the Last Glacial Maximum in Antarctica. Scientific Reports, 2017, 7, 12238.	3.3	59
54	Synchronous volcanic eruptions and abrupt climate change â¼17.7 ka plausibly linked by stratospheric ozone depletion. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10035-10040.	7.1	58

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55	Four-fold increase in solar forcing on snow in western U.S. burned forests since 1999. Nature Communications, 2019, 10, 2026.	12.8	57
56	Extreme climate after massive eruption of Alaskaâ€™s Okmok volcano in 43 BCE and effects on the late Roman Republic and Ptolemaic Kingdom. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15443-15449.	7.1	57
57	Industrial-era decline in subarctic Atlantic productivity. Nature, 2019, 569, 551-555.	27.8	56
58	Interannual variations of snow accumulation on the Greenland Ice Sheet (1985-1996): new observations versus model predictions. Journal of Geophysical Research, 2000, 105, 4039-4046.	3.3	54
59	Sulfate sources and oxidation chemistry over the past 230 years from sulfur and oxygen isotopes of sulfate in a West Antarctic ice core. Journal of Geophysical Research, 2010, 115, .	3.3	53
60	Alpine ice evidence of a three-fold increase in atmospheric iodine deposition since 1950 in Europe due to increasing oceanic emissions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12136-12141.	7.1	53
61	A Method for Continuous ²³⁹Pu Determinations in Arctic and Antarctic Ice Cores. Environmental Science & Technology, 2016, 50, 7066-7073.	10.0	51
62	Pervasive Arctic lead pollution suggests substantial growth in medieval silver production modulated by plague, climate, and conflict. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14910-14915.	7.1	50
63	Greenland Ice Sheet Mass Balance Reconstruction. Part I: Net Snow Accumulation (1600â€“2009). Journal of Climate, 2013, 26, 3919-3934.	3.2	49
64	Southeast Greenland high accumulation rates derived from firn cores and ground-penetrating radar. Annals of Glaciology, 2013, 54, 322-332.	1.4	47
65	Climate sensitivity of the century-scale hydrogen peroxide (H2O2) record preserved in 23 ice cores from West Antarctica. Journal of Geophysical Research, 2006, 111, .	3.3	46
66	Temperature and Snowfall in Western Queen Maud Land Increasing Faster Than Climate Model Projections. Geophysical Research Letters, 2018, 45, 1472-1480.	4.0	44
67	Bipolar volcanic synchronization of abrupt climate change in Greenland and Antarctic ice cores during the last glacial period. Climate of the Past, 2020, 16, 1565-1580.	3.4	44
68	Volcanic stratospheric sulfur injections and aerosol optical depth during the Holocene (past 11â€‰500) Tj ETQq0 0 0 rgBT /Overlock 10	9.9	44
69	Stratospheric eruptions from tropical and extra-tropical volcanoes constrained using high-resolution sulfur isotopes in ice cores. Earth and Planetary Science Letters, 2019, 521, 113-119.	4.4	43
70	Two likely stratospheric volcanic eruptions in the 1450s C.E. found in a bipolar, subannually dated 800 year ice core record. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7459-7466.	3.3	41
71	Physical properties of the WAIS Divide ice core. Journal of Glaciology, 2014, 60, 1181-1198.	2.2	41
72	Lead and Antimony in Basal Ice From Col du Dome (French Alps) Dated With Radiocarbon: A Record of Pollution During Antiquity. Geophysical Research Letters, 2019, 46, 4953-4961.	4.0	41

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73	New Directions: Historical black carbon and other ice core aerosol records in the Arctic for GCM evaluation. Atmospheric Environment, 2010, 44, 2665-2666.	4.1	40
74	WAIS Divide ice core suggests sustained changes in the atmospheric formation pathways of sulfate and nitrate since the 19th century in the extratropical Southern Hemisphere. Atmospheric Chemistry and Physics, 2014, 14, 5749-5769.	4.9	40
75	Observing and modeling the influence of layering on bubble trapping in polar firn. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2558-2574.	3.3	39
76	Concomitant variability in high-latitude aerosols, water isotopes and the hydrologic cycle. Nature Geoscience, 2018, 11, 853-859.	12.9	39
77	Ice core and climate reanalysis analogs to predict Antarctic and Southern Hemisphere climate changes. Quaternary Science Reviews, 2017, 155, 50-66.	3.0	38
78	Observations of atmospheric chemical deposition to high Arctic snow. Atmospheric Chemistry and Physics, 2017, 17, 5775-5788.	4.9	38
79	Sea ice as a source of sea salt aerosol to Greenland ice cores: a model-based study. Atmospheric Chemistry and Physics, 2017, 17, 9417-9433.	4.9	38
80	The SP19 chronology for the South Pole Ice Core â€“ Part 1: volcanic matching and annual layer counting. Climate of the Past, 2019, 15, 1793-1808.	3.4	38
81	Variability of black carbon deposition to the East Antarctic Plateau, 1800â€“2000 AD. Atmospheric Chemistry and Physics, 2012, 12, 3799-3808.	4.9	37
82	Reassessment of the Upper Fremont Glacier Ice-Core Chronologies by Synchronizing of Ice-Core-Water Isotopes to a Nearby Tree-Ring Chronology. Environmental Science & Technology, 2017, 51, 4230-4238.	10.0	37
83	McCall Glacier record of Arctic climate change: Interpreting a northern Alaska ice core with regional water isotopes. Quaternary Science Reviews, 2016, 131, 274-284.	3.0	35
84	Water isotope diffusion in the WAIS Divide ice core during the Holocene and last glacial. Journal of Geophysical Research F: Earth Surface, 2017, 122, 290-309.	2.8	33
85	Comparison of water isotope-ratio determinations using two cavity ring-down instruments and classical mass spectrometry in continuous ice-core analysis. Isotopes in Environmental and Health Studies, 2013, 49, 387-398.	1.0	31
86	Global ocean heat content in the Last Interglacial. Nature Geoscience, 2020, 13, 77-81.	12.9	31
87	Annual accumulation over recent centuries at four sites in central Greenland. Journal of Geophysical Research, 2007, 112, .	3.3	30
88	Variation of accumulation rates over the last eight centuries on the East Antarctic Plateau derived from volcanic signals in ice cores. Journal of Geophysical Research, 2011, 116, .	3.3	30
89	Holocene black carbon in Antarctica paralleled Southern Hemisphere climate. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6713-6728.	3.3	30
90	A 21â€¯000-year record of fluorescent organic matter markers in the WAIS Divide ice core. Climate of the Past, 2017, 13, 533-544.	3.4	30

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91	The magnitude and impact of the 431 CE Tierra Blanca Joven eruption of Ilopango, El Salvador. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26061-26068.	7.1	30
92	Seasonally resolved ice core records from West Antarctica indicate a sea ice source of seaâ€salt aerosol and a biomass burning source of ammonium. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9168-9182.	3.3	29
93	Sea ice and pollution-modulated changes in Greenland ice core methanesulfonate and bromine. Climate of the Past, 2017, 13, 39-59.	3.4	28
94	Recent accumulation variability and change on the Antarctic Peninsula from the ERA40 reanalysis. International Journal of Climatology, 2008, 28, 1409-1422.	3.5	27
95	Delineation of carbonate dust, aluminous dust, and sea salt deposition in a Greenland glaciochemical array using positive matrix factorization. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	25
96	Understanding the drivers for the 20th century change of hydrogen peroxide in Antarctic ice-cores. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	25
97	High resolution measurements of carbon monoxide along a late Holocene Greenland ice core: evidence for in situ production. Climate of the Past, 2014, 10, 987-1000.	3.4	25
98	High-Resolution, Continuous Method for Measurement of Acidity in Ice Cores. Environmental Science & Technology, 2012, 46, 1659-1666.	10.0	24
99	Constraining recent lead pollution sources in the North Pacific using ice core stable lead isotopes. Journal of Geophysical Research, 2012, 117, .	3.3	24
100	Rapid techniques for determining annual accumulation applied at Summit, Greenland. Journal of Glaciology, 2008, 54, 839-845.	2.2	23
101	Local artifacts in ice core methane records caused by layered bubble trapping and in situ production: a multi-site investigation. Climate of the Past, 2016, 12, 1061-1077.	3.4	23
102	Aromatic acids in a Eurasian Arctic ice core: a 2600-year proxy record of biomass burning. Climate of the Past, 2017, 13, 395-410.	3.4	23
103	The pulse of a montane ecosystem: coupling between daily cycles in solar flux, snowmelt, transpiration, groundwater, and streamflow at Sagehen Creek and Independence Creek, Sierra Nevada, USA. Hydrology and Earth System Sciences, 2020, 24, 5095-5123.	4.9	23
104	Prokaryotes in the <scp>WAIS</scp> Divide ice core reflect source and transport changes between Last Glacial Maximum and the early Holocene. Global Change Biology, 2018, 24, 2182-2197.	9.5	22
105	Comprehensive Record of Volcanic Eruptions in the Holocene (11,000Âyears) From the WAIS Divide, Antarctica Ice Core. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032855.	3.3	22
106	Improved estimates of preindustrial biomass burning reduce the magnitude of aerosol climate forcing in the Southern Hemisphere. Science Advances, 2021, 7, .	10.3	22
107	A lumped parameter model for the atmosphere-to-snow transfer function for hydrogen peroxide. Journal of Geophysical Research, 1997, 102, 26809-26818.	3.3	21
108	Tropical Pacific Influence on the Source and Transport of Marine Aerosols to West Antarctica*. Journal of Climate, 2014, 27, 1343-1363.	3.2	21

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109	Halogen-based reconstruction of Russian Arctic sea ice area from the Akademii Nauk ice core (Severnaya Zemlya). Cryosphere, 2016, 10, 245-256.	3.9	20
110	A Horizontal Ice Core From Taylor Glacier, Its Implications for Antarctic Climate History, and an Improved Taylor Dome Ice Core Time Scale. Paleoceanography and Paleoclimatology, 2018, 33, 778-794.	2.9	20
111	North Atlantic jet stream projections in the context of the past 1,250 years. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
112	Hemispheric black carbon increase after the 13th-century MÄori arrival in New Zealand. Nature, 2021, 598, 82-85.	27.8	20
113	Transport of black carbon to polar regions: Sensitivity and forcing by black carbon. Geophysical Research Letters, 2012, 39, .	4.0	19
114	Hydrology of a Perennial Firn Aquifer in Southeast Greenland: An Overview Driven by Field Data. Water Resources Research, 2020, 56, e2019WR026348.	4.2	18
115	Cryptotephra from the Icelandic VeiÃºivÃ¶tn 1477â€‰CE eruption in a Greenland ice core: confirming the dating of volcanic events in the 1450sâ€‰CE and assessing the eruption's climatic impact. Climate of the Past, 2021, 17, 565-585.	3.4	18
116	Polar ice core organic matter signatures reveal past atmospheric carbon composition and spatial trends across ancient and modern timescales. Journal of Glaciology, 2021, 67, 1028-1042.	2.2	17
117	Acidity decline in Antarctic ice cores during the Little Ice Age linked to changes in atmospheric nitrate and sea salt concentrations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5640-5652.	3.3	16
118	Atmospheric methane variability: Centennialâ€scale signals in the Last Glacial Period. Global Biogeochemical Cycles, 2017, 31, 575-590.	4.9	15
119	Snowfall and Water Stable Isotope Variability in East Antarctica Controlled by Warm Synoptic Events. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032863.	3.3	15
120	No Coincident Nitrate Enhancement Events in Polar Ice Cores Following the Largest Known Solar Storms. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,900.	3.3	14
121	Spatial pattern of accumulation at Taylor Dome during Marine Isotope Stage 4: stratigraphic constraints from Taylor Glacier. Climate of the Past, 2019, 15, 1537-1556.	3.4	14
122	Smoking guns and volcanic ash: the importance of sparse tephras in Greenland ice cores. Polar Research, 2020, 39, .	1.6	14
123	A flow cytometric method to measure prokaryotic records in ice cores: an example from the West Antarctic Ice Sheet Divide drilling site. Journal of Glaciology, 2016, 62, 655-673.	2.2	13
124	Temporally delineated sources of major chemical species in high Arctic snow. Atmospheric Chemistry and Physics, 2018, 18, 3485-3503.	4.9	13
125	Cadmium Pollution From Zincâ€Smelters up to Fourfold Higher Than Expected in Western Europe in the 1980s as Revealed by Alpine Ice. Geophysical Research Letters, 2020, 47, e2020GL087537.	4.0	13
126	No evidence for tephra in Greenland from the historic eruption of Vesuvius in 79â€‰CE: implications for geochronology and paleoclimatology. Climate of the Past, 2022, 18, 45-65.	3.4	13

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127	Five millennia of surface temperatures and ice core bubble characteristics from the WAIS Divide deep core, West Antarctica. Paleoceanography, 2016, 31, 416-433.	3.0	12
128	Shallow firn cores 1989â€“2019 in southwest Greenland's percolation zone reveal decreasing density and ice layer thickness after 2012. Journal of Glaciology, 2022, 68, 431-442.	2.2	12
129	Climatic, weather, and socio-economic conditions corresponding to the mid-17th-century eruption cluster. Climate of the Past, 2022, 18, 1083-1108.	3.4	11
130	Burning-derived vanillic acid in an Arctic ice core from Tunu, northeastern Greenland. Climate of the Past, 2018, 14, 1625-1637.	3.4	10
131	Alpine Iceâ€Core Evidence of a Large Increase in Vanadium and Molybdenum Pollution in Western Europe During the 20th Century. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033211.	3.3	10
132	Identifying annual peaks in dielectric profiles with a selection curve. Journal of Glaciology, 2011, 57, 763-769.	2.2	9
133	Method for Correcting Continuous Ice-Core Elemental Measurements for Under-Recovery. Environmental Science & Technology, 2019, 53, 5887-5894.	10.0	9
134	Abrupt Common Era hydroclimate shifts drive west Greenland ice cap change. Nature Geoscience, 2021, 14, 756-761.	12.9	9
135	Stable water isotopes and accumulation rates in the Union Glacier region, Ellsworth Mountains, West Antarctica, over the last 35 years. Cryosphere, 2020, 14, 881-904.	3.9	8
136	Anthropogenic Impacts on Tropospheric Reactive Chlorine Since the Preindustrial. Geophysical Research Letters, 2021, 48, e2021GL093808.	4.0	8
137	Lead isotopic fingerprinting of 250-years of industrial era pollution in Greenland ice. Anthropocene, 2022, 38, 100340.	3.3	8
138	Thallium Pollution in Europe Over the Twentieth Century Recorded in Alpine Ice: Contributions From Coal Burning and Cement Production. Geophysical Research Letters, 2022, 49, .	4.0	8
139	Causes of Enhanced Bromine Levels in Alpine Ice Cores During the 20th Century: Implications for Bromine in the Free European Troposphere. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034246.	3.3	6
140	Incandescenceâ€based singleâ€particle method for black carbon quantification in lake sediment cores. Limnology and Oceanography: Methods, 2018, 16, 711-721.	2.0	5
141	Climate Effects on Firn Permeability Are Preserved Within a Firn Column. Journal of Geophysical Research F: Earth Surface, 2019, 124, 830-837.	2.8	4
142	Dust Transport to the Taylor Glacier, Antarctica, During the Last Interglacial. Geophysical Research Letters, 2019, 46, 2261-2270.	4.0	4
143	Short-Term Meteorological and Environmental Signals Recorded in a Firn Core from a High-Accumulation Site on Plateau Laclavere, Antarctic Peninsula. Geosciences (Switzerland), 2021, 11, 428.	2.2	4
144	Northern Hemisphere atmospheric history of carbon monoxide since preindustrial times reconstructed from multiple Greenland ice cores. Climate of the Past, 2022, 18, 631-647.	3.4	4

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145	Marine Aerosol Records of Arctic Seaâ€ice and Polynya Variability From New Ellesmere and Devon Island Firn Cores, Nunavut, Canada. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017205.	2.6	3
146	Black carbon dominated dust in recent radiative forcing on Rocky Mountain snowpacks. Environmental Research Letters, 2022, 17, 054045.	5.2	3
147	Reply to Strunz and Braeckel: Agricultural failures logically link historical events to extreme climate following the 43 BCE Okmok eruption. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32209-32210.	7.1	1