

# Robert Mulvaney

## List of Publications by Year in descending order

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Version: 2024-02-01

144  
papers

13,221  
citations

38742

50  
h-index

24258

110  
g-index

178  
all docs

178  
docs citations

178  
times ranked

10858  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004, 429, 623-628.	27.8	2,015
2	Recent Rapid Regional Climate Warming on the Antarctic Peninsula. <i>Climatic Change</i> , 2003, 60, 243-274.	3.6	1,009
3	Continental-scale temperature variability during the past two millennia. <i>Nature Geoscience</i> , 2013, 6, 339-346.	12.9	954
4	Timing and climate forcing of volcanic eruptions for the past 2,500 years. <i>Nature</i> , 2015, 523, 543-549.	27.8	824
5	Absence of 21st century warming on Antarctic Peninsula consistent with natural variability. <i>Nature</i> , 2016, 535, 411-415.	27.8	538
6	Southern Ocean sea-ice extent, productivity and iron flux over the past eight glacial cycles. <i>Nature</i> , 2006, 440, 491-496.	27.8	482
7	The 8.2ka event from Greenland ice cores. <i>Quaternary Science Reviews</i> , 2007, 26, 70-81.	3.0	386
8	Evolution of the Southern Annular Mode during the past millennium. <i>Nature Climate Change</i> , 2014, 4, 564-569.	18.8	277
9	Recent Antarctic Peninsula warming relative to Holocene climate and ice-shelf history. <i>Nature</i> , 2012, 489, 141-144.	27.8	265
10	Sea-salt aerosol in coastal Antarctic regions. <i>Journal of Geophysical Research</i> , 1998, 103, 10961-10974.	3.3	256
11	CLIMATE CHANGE: Devil in the Detail. <i>Science</i> , 2001, 293, 1777-1779.	12.6	251
12	A new bipolar ice core record of volcanism from WAIS Divide and NEEM and implications for climate forcing of the last 2000 years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1151-1169.	3.3	217
13	Expression of the bipolar see-saw in Antarctic climate records during the last deglaciation. <i>Nature Geoscience</i> , 2011, 4, 46-49.	12.9	212
14	Sulphuric acid at grain boundaries in Antarctic ice. <i>Nature</i> , 1988, 331, 247-249.	27.8	188
15	Changes in environment over the last 800,000 years from chemical analysis of the EPICA Dome C ice core. <i>Quaternary Science Reviews</i> , 2010, 29, 285-295.	3.0	183
16	Acceleration of snow melt in an Antarctic Peninsula ice core during the twentieth century. <i>Nature Geoscience</i> , 2013, 6, 404-411.	12.9	154
17	A Potent Greenhouse Gas Identified in the Atmosphere: SF <sub>5</sub> CF <sub>3</sub> . <i>Science</i> , 2000, 289, 611-613.	12.6	146
18	Dust and sea salt variability in central East Antarctica (Dome C) over the last 45 kyrs and its implications for southern high-latitude climate. <i>Geophysical Research Letters</i> , 2002, 29, 2411-2414.	4.0	141

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19	In situ measurements of Antarctic snow compaction compared with predictions of models. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	134
20	Factors controlling nitrate in ice cores: Evidence from the Dome C deep ice core. <i>Journal of Geophysical Research</i> , 2000, 105, 20565-20572.	3.3	133
21	Nitrate in Greenland and Antarctic ice cores: a detailed description of post-depositional processes. <i>Annals of Glaciology</i> , 2002, 35, 209-216.	1.4	128
22	Ammonium in coastal Antarctic aerosol and snow: Role of polar ocean and penguin emissions. <i>Journal of Geophysical Research</i> , 1998, 103, 11043-11056.	3.3	126
23	Where to find 1.5 million yr old ice for the IPICS &quot;Oldest-Ice&quot; ice core. <i>Climate of the Past</i> , 2013, 9, 2489-2505.	3.4	123
24	Atmospheric signals and characteristics of accumulation in Dronning Maud Land, Antarctica. <i>Journal of Geophysical Research</i> , 1999, 104, 19191-19211.	3.3	104
25	Antarctic ice rises and rumples: Their properties and significance for ice-sheet dynamics and evolution. <i>Earth-Science Reviews</i> , 2015, 150, 724-745.	9.1	103
26	Snow chemistry across Antarctica. <i>Annals of Glaciology</i> , 2005, 41, 167-179.	1.4	90
27	Stable-Isotope/Air-Temperature relationships in Ice Cores from Dolleman Island and the Palmer Land Plateau, Antarctic Peninsula. <i>Annals of Glaciology</i> , 1988, 10, 130-136.	1.4	85
28	Diffusion and location of hydrochloric acid in ice: Implications for polar stratospheric clouds and ozone depletion. <i>Geophysical Research Letters</i> , 1989, 16, 487-490.	4.0	85
29	Ice core evidence for a 20th century decline of sea ice in the Bellingshausen Sea, Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	80
30	Spatial variability of Antarctic Peninsula net surface mass balance. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 4-1.	3.3	78
31	Postdepositional change in snowpack nitrate from observation of year-round near-surface snow in coastal Antarctica. <i>Journal of Geophysical Research</i> , 1998, 103, 11021-11031.	3.3	77
32	Climate since AD 1510 on Dyer Plateau, Antarctic Peninsula: evidence for recent climate change. <i>Annals of Glaciology</i> , 1994, 20, 420-426.	1.4	77
33	Greenland records of aerosol source and atmospheric lifetime changes from the Eemian to the Holocene. <i>Nature Communications</i> , 2018, 9, 1476.	12.8	74
34	Multiple sources supply eolian mineral dust to the Atlantic sector of coastal Antarctica: Evidence from recent snow layers at the top of Berkner Island ice sheet. <i>Earth and Planetary Science Letters</i> , 2010, 291, 138-148.	4.4	69
35	Evidence for winter/spring denitrification of the stratosphere in the nitrate record of Antarctic firn cores. <i>Journal of Geophysical Research</i> , 1993, 98, 5213-5220.	3.3	66
36	Climate since AD 1510 on Dyer Plateau, Antarctic Peninsula: evidence for recent climate change. <i>Annals of Glaciology</i> , 1994, 20, 420-426.	1.4	64

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37	Spatial variability of the major chemistry of the Antarctic ice sheet. <i>Annals of Glaciology</i> , 1994, 20, 440-447.	1.4	64
38	Methyl bromide, other brominated methanes, and methyl iodide in polar firn air. <i>Journal of Geophysical Research</i> , 2001, 106, 1595-1606.	3.3	63
39	A new ice-core record from Lomonosovfonna, Svalbard: viewing the 1920â€™97 data in relation to present climate and environmental conditions. <i>Journal of Glaciology</i> , 2001, 47, 335-345.	2.2	63
40	Relationship between chemistry of air, fresh snow and firn cores for aerosol species in coastal Antarctica. <i>Journal of Geophysical Research</i> , 1998, 103, 11057-11070.	3.3	62
41	Migration of methane sulphonate in Antarctic firn and ice. <i>Journal of Geophysical Research</i> , 2000, 105, 11525-11534.	3.3	60
42	Stable-isotope records from Dronning Maud Land, Antarctica. <i>Annals of Glaciology</i> , 2002, 35, 195-201.	1.4	60
43	Ice core records as sea ice proxies: An evaluation from the Weddell Sea region of Antarctica. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	59
44	The Location of Impurities in Antarctic Ice. <i>Annals of Glaciology</i> , 1988, 11, 194-197.	1.4	58
45	Synchronous volcanic eruptions and abrupt climate change ~17.7 ka plausibly linked by stratospheric ozone depletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10035-10040.	7.1	58
46	Holocene electrical and chemical measurements from the EPICAâ€™Dome C ice core. <i>Annals of Glaciology</i> , 2000, 30, 20-26.	1.4	57
47	Limited dechlorination of sea-salt aerosols during the last glacial period: Evidence from the European Project for Ice Coring in Antarctica (EPICA) Dome C ice core. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	57
48	The transition from the Last Glacial Period in inland and near-coastal Antarctica. <i>Geophysical Research Letters</i> , 2000, 27, 2673-2676.	4.0	53
49	Millennial changes in North American wildfire and soil activity over the last glacial cycle. <i>Nature Geoscience</i> , 2015, 8, 723-727.	12.9	53
50	Atmospheric Trends and Radiative Forcings of CF <sub>4</sub> and C <sub>2</sub> F <sub>6</sub> Inferred from Firn Air. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2184-2189.	10.0	52
51	A Method for Continuous <sup>239</sup> Pu Determinations in Arctic and Antarctic Ice Cores. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7066-7073.	10.0	51
52	Anions and Cations in Ice Cores from Dolleman Island and the Palmer Land Plateau, Antarctic Peninsula. <i>Annals of Glaciology</i> , 1988, 10, 121-125.	1.4	50
53	Dielectric stratigraphy of ice: A new technique for determining total ionic concentrations in polar ice cores. <i>Geophysical Research Letters</i> , 1989, 16, 1177-1180.	4.0	50
54	Dimethyl sulfide and its oxidation products in the atmosphere of the Atlantic and Southern Oceans. <i>Atmospheric Environment</i> , 1996, 30, 1895-1906.	4.1	50

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55	Changes in the global atmospheric methane budget over the last decades inferred from $^{13}\text{C}$ and D isotopic analysis of Antarctic firn air. <i>Journal of Geophysical Research</i> , 2001, 106, 20465-20481.	3.3	50
56	1000 year ice-core records from Berkner Island, Antarctica. <i>Annals of Glaciology</i> , 2002, 35, 45-51.	1.4	49
57	Comparison of analytical methods used for measuring major ions in the EPICA Dome C (Antarctica) ice core. <i>Annals of Glaciology</i> , 2002, 35, 299-305.	1.4	48
58	The International Trans-Antarctic Scientific Expedition (ITASE): an overview. <i>Annals of Glaciology</i> , 2005, 41, 180-185.	1.4	47
59	A new surface accumulation map for western Dronning Maud Land, Antarctica, from interpolation of point measurements. <i>Journal of Glaciology</i> , 2007, 53, 385-398.	2.2	47
60	Environmental signals in a highly resolved ice core from James Ross Island, Antarctica. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	44
61	Bipolar volcanic synchronization of abrupt climate change in Greenland and Antarctic ice cores during the last glacial period. <i>Climate of the Past</i> , 2020, 16, 1565-1580.	3.4	44
62	The ratio of MSA to non-sea-salt sulphate in Antarctic Peninsula ice cores. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1992, 44, 295-303.	1.6	43
63	20th century trends and budget implications of chloroform and related tri-and dihalomethanes inferred from firn air. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 2847-2863.	4.9	43
64	Constraints on soluble aerosol iron flux to the Southern Ocean at the Last Glacial Maximum. <i>Nature Communications</i> , 2015, 6, 7850.	12.8	43
65	Glacio-chemical study spanning the past 2 kyr on three ice cores from Dronning Maud Land, Antarctica: 1. Annually resolved accumulation rates. <i>Journal of Geophysical Research</i> , 2000, 105, 29411-29421.	3.3	42
66	The 800 year long ion record from the Lomonosovfonna (Svalbard) ice core. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	42
67	Reconstruction of the historical temperature trend from measurements in a medium-length borehole on the Lomonosovfonna plateau, Svalbard. <i>Annals of Glaciology</i> , 2002, 35, 371-378.	1.4	41
68	Anatomy of a Dansgaard-Oeschger warming transition: High-resolution analysis of the North Greenland Ice Core Project ice core. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	41
69	Low atmospheric $\text{CO}_2$ levels during the Little Ice Age due to cooling-induced terrestrial uptake. <i>Nature Geoscience</i> , 2016, 9, 691-694.	12.9	40
70	Spatial variability of the major chemistry of the Antarctic ice sheet. <i>Annals of Glaciology</i> , 1994, 20, 440-447.	1.4	40
71	Glacio-chemical study spanning the past 2 kyr on three ice cores from Dronning Maud Land, Antarctica: 2. Seasonally resolved chemical records. <i>Journal of Geophysical Research</i> , 2000, 105, 29423-29433.	3.3	39
72	Observations of polar ice from the Holocene and the glacial period using the scanning electron microscope. <i>Annals of Glaciology</i> , 2002, 35, 559-566.	1.4	38

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73	Distinguishing East and West Antarctic sediment sources using the Pb isotope composition of detrital K-feldspar. <i>Chemical Geology</i> , 2012, 292-293, 88-102.	3.3	38
74	A technique for the examination of polar ice using the scanning electron microscope. <i>Journal of Microscopy</i> , 2002, 205, 118-124.	1.8	37
75	Full-depth englacial vertical ice sheet velocities measured using phase-sensitive radar. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 2604-2618.	2.8	37
76	Reactions on sulphuric acid aerosol and on polar stratospheric clouds in the Antarctic stratosphere. <i>Geophysical Research Letters</i> , 1991, 18, 1007-1010.	4.0	36
77	The methanesulfonic acid (MSA) record in a Svalbard ice core. <i>Annals of Glaciology</i> , 2005, 42, 345-351.	1.4	36
78	Climate since AD 1510 on Dyer Plateau, Antarctic Peninsula: evidence for recent climate change. <i>Annals of Glaciology</i> , 1994, 20, 420-426.	1.4	36
79	The Berkner Island (Antarctica) ice-core drilling project. <i>Annals of Glaciology</i> , 2007, 47, 115-124.	1.4	35
80	A 340 year record of biogenic sulphur from the Weddell Sea area, Antarctica. <i>Annals of Glaciology</i> , 1995, 21, 169-174.	1.4	34
81	Evidence for a CO increase in the SH during the 20th century based on firn air samples from Berkner Island, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 295-308.	4.9	32
82	Aspects of the inorganic chemistry of rubber vulcanisation. Part 4. Dialkyl- and diaryl-dithiophosphate and -dithiophosphate complexes of zinc: phosphorus-31 nuclear magnetic resonance spectral studies and structures of [NMe <sub>4</sub> ][Zn{S <sub>2</sub> P(OC <sub>6</sub> H <sub>4</sub> Me-p) <sub>2</sub> } <sub>3</sub> ] and [NEt <sub>4</sub> ][Zn(S <sub>2</sub> PPH <sub>2</sub> ) <sub>3</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1983, , 627.	1.1	31
83	Authigenic chlorites: problems with chemical analysis and structural formula calculations. <i>Clay Minerals</i> , 1984, 19, 471-481.	0.6	31
84	Firn accumulation records for the past 1000 years on the basis of dielectric profiling of six cores from Dronning Maud Land, Antarctica. <i>Journal of Glaciology</i> , 2004, 50, 279-291.	2.2	31
85	Signal variability in replicate ice cores. <i>Journal of Glaciology</i> , 2005, 51, 462-468.	2.2	31
86	A 800 year record of nitrate from the Lomonosovfonna ice core, Svalbard. <i>Annals of Glaciology</i> , 2002, 35, 261-265.	1.4	30
87	Holocene black carbon in Antarctica paralleled Southern Hemisphere climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6713-6728.	3.3	30
88	Accumulation variability over a small area in east Dronning Maud Land, Antarctica, as determined from shallow firn cores and snow pits: some implications for ice-core records. <i>Journal of Glaciology</i> , 2005, 51, 343-352.	2.2	28
89	Interpreting temperature information from ice cores along the Antarctic Peninsula: ERA40 analysis. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	28
90	Anions and Cations in Ice Cores from Dolleman Island and the Palmer Land Plateau, Antarctic Peninsula. <i>Annals of Glaciology</i> , 1988, 10, 121-125.	1.4	26

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91	Trends of halon gases in polar firn air: implications for their emission distributions. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 2055-2064.	4.9	24
92	Climate changes in the Atlantic Sector of Antarctica over The Past 500 Years from Ice-Core and Other Evidence. , 1996, , 243-262.		23
93	Spatial variability of the major chemistry of the Antarctic ice sheet. <i>Annals of Glaciology</i> , 1994, 20, 440-447.	1.4	23
94	Glacial-interglacial dynamics of Antarctic firn columns: comparison between simulations and ice core air- $\delta^{15}\text{N}$ measurements. <i>Climate of the Past</i> , 2013, 9, 983-999.	3.4	22
95	Improved estimates of preindustrial biomass burning reduce the magnitude of aerosol climate forcing in the Southern Hemisphere. <i>Science Advances</i> , 2021, 7, .	10.3	22
96	The James Ross Island and the Fletcher Promontory ice-core drilling projects. <i>Annals of Glaciology</i> , 2014, 55, 179-188.	1.4	20
97	A Horizontal Ice Core From Taylor Glacier, Its Implications for Antarctic Climate History, and an Improved Taylor Dome Ice Core Time Scale. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 778-794.	2.9	20
98	Hemispheric black carbon increase after the 13th-century Māori arrival in New Zealand. <i>Nature</i> , 2021, 598, 82-85.	27.8	20
99	A reinterpretation of sea-salt records in Greenland and Antarctic ice cores?. <i>Annals of Glaciology</i> , 2004, 39, 276-282.	1.4	18
100	Flow at ice-divide triple junctions: 2. Three-dimensional views of isochrone architecture from ice-penetrating radar surveys. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	18
101	Bayesian Glaciological Modelling to quantify uncertainties in ice core chronologies. <i>Quaternary Science Reviews</i> , 2011, 30, 2961-2975.	3.0	18
102	Multi-tracer study of gas trapping in an East Antarctic ice core. <i>Cryosphere</i> , 2019, 13, 3383-3403.	3.9	18
103	Brief communication: New radar constraints support presence of ice older than 1.5‰Myr at Little Dome C. <i>Cryosphere</i> , 2021, 15, 1881-1888.	3.9	17
104	Time-trends in the pattern of ocean-atmosphere exchange in an ice core from the Weddell Sea sector of Antarctica. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1992, 44, 430-442.	1.6	16
105	Spatial and temporal distributions of surface mass balance between Concordia and Vostok stations, Antarctica, from combined radar and ice core data: first results and detailed error analysis. <i>Cryosphere</i> , 2018, 12, 1831-1850.	3.9	16
106	A 340 year record of biogenic sulphur from the Weddell Sea area, Antarctica. <i>Annals of Glaciology</i> , 1995, 21, 169-174.	1.4	15
107	Laboratory study of the migration of methane sulphonate in firn. <i>Journal of Glaciology</i> , 1999, 45, 214-218.	2.2	15
108	Effect of density on electrical conductivity of chemically laden polar ice. <i>Journal of Geophysical Research</i> , 2002, 107, ESE 1-1.	3.3	15

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109	Comprehensive 1000 year climatic history from an intermediate-depth ice core from the south dome of Berkner Island, Antarctica: methods, dating and first results. <i>Annals of Glaciology</i> , 2004, 39, 146-154.	1.4	15
110	Anionic tris-dithiophosphato and -dithiophosphinato complexes of zinc(II) and cobalt(II). The structures of $[R_4N][M(S_2PPh_2)_3]$ (M=Zn and Co; R=Et or Me) and of $[Me_4N][Zn\{S_2P(OC_6H_4Me-p)_2\}_3]$ . <i>Transition Metal Chemistry</i> , 1981, 6, 64-66.	1.4	14
111	The preservation of methanesulphonic acid in frozen ice-core samples. <i>Journal of Glaciology</i> , 2008, 54, 680-684.	2.2	14
112	On high-resolution sampling of short ice cores: Dating and temperature information recovery from Antarctic Peninsula virtual cores. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	14
113	Snow Densification and Recent Accumulation Along the iSTAR Traverse, Pine Island Glacier, Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 2284-2301.	2.8	14
114	Stratospheric Ozone Changes From Explosive Tropical Volcanoes: Modeling and Ice Core Constraints. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032290.	3.3	14
115	Ice drilling on Skytrain Ice Rise and Sherman Island, Antarctica. <i>Annals of Glaciology</i> , 2021, 62, 311-323.	1.4	14
116	Continuous flow analysis methods for sodium, magnesium and calcium detection in the Skytrain ice core. <i>Journal of Glaciology</i> , 2022, 68, 90-100.	2.2	14
117	The fractionation of sea salt and acids during transport across an Antarctic ice shelf. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1993, 45, 179-187.	1.6	13
118	A 44 kyr paleoroughness record of the Antarctic surface. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	13
119	Development of the British Antarctic Survey Rapid Access Isotope Drill. <i>Journal of Glaciology</i> , 2019, 65, 288-298.	2.2	11
120	A detailed radiostratigraphic data set for the central East Antarctic Plateau spanning from the Holocene to the mid-Pleistocene. <i>Earth System Science Data</i> , 2021, 13, 4759-4777.	9.9	11
121	Laboratory study of the migration of methane sulphonate in firn. <i>Journal of Glaciology</i> , 1999, 45, 214-218.	2.2	10
122	Preparation of aqueous standards for low temperature x-ray microanalysis. <i>Microscopy Research and Technique</i> , 1992, 22, 207-211.	2.2	9
123	Technical innovations and optimizations for intermediate ice-core drilling operations. <i>Annals of Glaciology</i> , 2014, 55, 243-252.	1.4	9
124	Recent variations in surface mass balance of the Antarctic Peninsula ice sheet. <i>Journal of Glaciology</i> , 2004, 50, 257-267.	2.2	8
125	Chlorine isotope composition in chlorofluorocarbons CFC-11, CFC-12 and CFC-113 in firn, stratospheric and tropospheric air. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6867-6877.	4.9	8
126	Variability of sea salts in ice and firn cores from Fimbul Ice Shelf, Dronning Maud Land, Antarctica. <i>Cryosphere</i> , 2018, 12, 1681-1697.	3.9	8

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127	A change in seasonality in Greenland during a Dansgaard-Oeschger warming. <i>Annals of Glaciology</i> , 2008, 48, 19-24.	1.4	7
128	A low resource subglacial bedrock sampler: The percussive rapid access isotope drill (P-RAID). <i>Cold Regions Science and Technology</i> , 2020, 177, 103113.	3.5	7
129	Iron ore sinter in the analytical transmission electron microscope. <i>Mineralogical Magazine</i> , 1987, 51, 61-69.	1.4	6
130	Impurity Distributions In Ice Under Different Environmental Conditions. <i>Annals of Glaciology</i> , 1990, 14, 362.	1.4	6
131	The potential for a continuous $^{10}\text{Be}$ record measured on ice chips from a borehole. <i>Results in Geochemistry</i> , 2021, 5, 100012.	0.8	6
132	Polarimetric radar reveals the spatial distribution of ice fabric at domes and divides in East Antarctica. <i>Cryosphere</i> , 2022, 16, 1719-1739.	3.9	6
133	Tidal Modulation of a Lateral Shear Margin: Priestley Glacier, Antarctica. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	5
134	Inferring palaeo-accumulation records from ice-core data by an adjoint-based method: application to James Ross Island's ice core. <i>Climate of the Past</i> , 2015, 11, 547-557.	3.4	4
135	Ice Cores: Archive of the Climate System. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2021, , 279-325.	0.3	3
136	Chemical Evidence in Polar Ice Cores from Dielectric Profiling. <i>Annals of Glaciology</i> , 1990, 14, 195-198.	1.4	2
137	Modelling the transition from grain-boundary sliding to power-law creep in dry snow densification. <i>Journal of Glaciology</i> , 2022, 68, 417-430.	2.2	2
138	ICE CORE METHODS   Conductivity Studies. , 2013, , 319-325.		1
139	A comparison of annual layer thickness model estimates with observational measurements using the Berkner Island ice core, Antarctica. <i>Antarctic Science</i> , 2017, 29, 382-393.	0.9	1
140	Spatial Variability of Glaciochemistry along a Transect from Zhongshan Station to LGB69, Antarctica. <i>Atmosphere</i> , 2021, 12, 393.	2.3	1
141	Laboratory study of the migration of methane sulphonate in firn. <i>Journal of Glaciology</i> , 1999, 45, 214-218.	2.2	1
142	Chemical Evidence in Polar Ice Cores from Dielectric Profiling. <i>Annals of Glaciology</i> , 1990, 14, 195-198.	1.4	0
143	Fertilizer and snowfall nitrate. <i>Nature</i> , 1991, 352, 27-27.	27.8	0
144	Stratospheric carbon isotope fractionation and tropospheric histories of CFC-11, CFC-12, and CFC-113 isotopologues. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6857-6873.	4.9	0