

Paul A Mayewski

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.

59
papers

3,732
citations

26
h-index

60
g-index

60
ext. papers

4,396
ext. citations

7.9
avg, IF

4.9
L-index

#	Paper	IF	Citations
59	Mt. Everest's highest glacier is a sentinel for accelerating ice loss. <i>Npj Climate and Atmospheric Science</i> , 2022 , 5,	8	5
58	Trace metal emission history captured in a Chilean ice core. <i>Atmospheric Environment</i> , 2022 , 276, 119002	5.3	1
57	The 1991 explosive Hudson volcanic eruption as a geochronological marker for the Northern Antarctic Peninsula.. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022 , 94, e20210810	1.4	
56	Anthropogenic trace elements (Bi, Cd, Cr, Pb) concentrations in a West Antarctic ice core.. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022 , 94, e20210351	1.4	
55	A quantitative method of resolving annual precipitation for the past millennia from Tibetan ice cores. <i>Cryosphere</i> , 2022 , 16, 1997-2008	5.5	0
54	Into Thick(er) Air? Oxygen Availability at Humans' Physiological Frontier on Mount Everest. <i>IScience</i> , 2020 , 23, 101718	6.1	6
53	Climate Change in the Hindu Kush Himalayas: Basis and Gaps. <i>One Earth</i> , 2020 , 3, 551-555	8.1	8
52	Alpine ice and the annual political economy of the Angevin Empire, from the death of Thomas Becket to Magna Carta, c. AD 1170-1216. <i>Antiquity</i> , 2020 , 94, 473-490	1	
51	Going to Extremes: Installing the World's Highest Weather Stations on Mount Everest. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1870-E1890	6.1	31
50	Importance and vulnerability of the world's water towers. <i>Nature</i> , 2020 , 577, 364-369	50.4	368
49	Pushing Climate Change Science to the Roof of the World. <i>One Earth</i> , 2020 , 3, 556-560	8.1	5
48	Precipitation Characteristics and Moisture Source Regions on Mt. Everest in the Khumbu, Nepal. <i>One Earth</i> , 2020 , 3, 594-607	8.1	7
47	The Impact of a Six-Year Climate Anomaly on the "Spanish Flu" Pandemic and WWI. <i>GeoHealth</i> , 2020 , 4, e2020GH000277	5	8
46	Subseasonal Variations of Stable Isotopes in Tropical Andean Precipitation. <i>Journal of Hydrometeorology</i> , 2019 , 20, 915-933	3.7	8
45	A 2000 year-long proxy and observational reconstruction of Central Asian climate. <i>Quaternary Science Reviews</i> , 2019 , 223, 105847	3.9	0
44	2000 years of North Atlantic-Arctic climate. <i>Quaternary Science Reviews</i> , 2019 , 216, 1-17	3.9	6
43	A 2000 Year Saharan Dust Event Proxy Record from an Ice Core in the European Alps. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12882-12900	4.4	9

42	An Ensemble Mean and Evaluation of Third Generation Global Climate Reanalysis Models. <i>Atmosphere</i> , 2018 , 9, 236	2.7	7
41	The Role of Historical Context in Understanding Past Climate, Pollution and Health Data in Trans-disciplinary Studies: Reply to Comments on More et al., 2017. <i>GeoHealth</i> , 2018 , 2, 162-170	5	6
40	Alpine ice-core evidence for the transformation of the European monetary system, AD 640-70. <i>Antiquity</i> , 2018 , 92, 1571-1585	1	21
39	Evidence for a volcanic underpinning of the Atlantic multidecadal oscillation. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	15
38	Temperature and mineral dust variability recorded in two low-accumulation Alpine ice cores over the last millennium. <i>Climate of the Past</i> , 2018 , 14, 21-37	3.9	24
37	A twentieth century major soluble ion record of dust and anthropogenic pollutants from Inilchek Glacier, Tien Shan. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1884-1900	4.4	8
36	Next-generation ice core technology reveals true minimum natural levels of lead (Pb) in the atmosphere: Insights from the Black Death. <i>GeoHealth</i> , 2017 , 1, 211-219	5	54
35	A New Multielement Method for LA-ICP-MS Data Acquisition from Glacier Ice Cores. <i>Environmental Science & Technology</i> , 2017 , 51, 13282-13287	10.3	11
34	A 125-year record of climate and chemistry variability at the Pine Island Glacier ice divide, Antarctica. <i>Cryosphere</i> , 2017 , 11, 1537-1552	5.5	9
33	Possible Icelandic Tephra Found in European Colle Gnifetti Glacier. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 3904-3909	3.6	5
32	Examination of precipitation variability in southern Greenland. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 6202-6216	4.4	8
31	Recent increase in Antarctic Peninsula ice core uranium concentrations. <i>Atmospheric Environment</i> , 2016 , 140, 381-385	5.3	16
30	Anomalously high arsenic concentration in a West Antarctic ice core and its relationship to copper mining in Chile. <i>Atmospheric Environment</i> , 2016 , 125, 257-264	5.3	24
29	Drilling, processing and first results for Mount Johns ice core in West Antarctica Ice Sheet. <i>Brazilian Journal of Geology</i> , 2016 , 46, 29-40	1.5	7
28	Abrupt and moderate climate changes in the mid-latitudes of Asia during the Holocene. <i>Journal of Glaciology</i> , 2016 , 62, 411-439	3.4	30
27	Ultra-high resolution snapshots of three multi-decadal periods in an Antarctic ice core. <i>Journal of Glaciology</i> , 2016 , 62, 31-36	3.4	6
26	Potential for Southern Hemisphere climate surprises. <i>Journal of Quaternary Science</i> , 2015 , 30, 391-395	2.3	17
25	Twentieth century dust lows and the weakening of the westerly winds over the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2015 , 42, 2434-2441	4.9	34

24	New LA-ICP-MS cryocell and calibration technique for sub-millimeter analysis of ice cores. <i>Journal of Glaciology</i> , 2015 , 61, 233-242	3.4	42
23	Transport and deposition of heavy metals in the Ross Sea Region, Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 10,996	4.4	18
22	Holocene warming marked by abrupt onset of longer summers and reduced storm frequency around Greenland. <i>Journal of Quaternary Science</i> , 2014 , 29, 99-104	2.3	41
21	Medieval Irish chronicles reveal persistent volcanic forcing of severe winter cold events, 431–649 CE. <i>Environmental Research Letters</i> , 2013 , 8, 024035	6.2	50
20	Variations in snow and firn chemistry along US ITASE traverses and the effect of surface glazing. <i>Cryosphere</i> , 2013 , 7, 515-535	5.5	29
19	An ice-core proxy for northerly air mass incursions into West Antarctica. <i>International Journal of Climatology</i> , 2012 , 32, 1455-1465	3.5	44
18	Climate Change during and after the Roman Empire: Reconstructing the Past from Scientific and Historical Evidence. <i>Journal of Interdisciplinary History</i> , 2012 , 43, 169-220	0	274
17	A 108.83-m Ice-Core Record of Atmospheric Dust Deposition at Mt. Qomolangma (Everest), Central Himalaya. <i>Quaternary Research</i> , 2010 , 73, 33-38	1.9	40
16	Recent increases in atmospheric concentrations of Bi, U, Cs, S and Ca from a 350-year Mount Everest ice core record. <i>Journal of Geophysical Research</i> , 2009 , 114,		57
15	Snow accumulation rate on Qomolangma (Mount Everest), Himalaya: synchronicity with sites across the Tibetan Plateau on 50–100 year timescales. <i>Journal of Glaciology</i> , 2008 , 54, 343-352	3.4	78
14	Summer temperature trend over the past two millennia using air content in Himalayan ice. <i>Climate of the Past</i> , 2007 , 3, 89-95	3.9	20
13	Spatial and seasonal variations of elemental composition in Mt. Everest (Qomolangma) snow/firn. <i>Atmospheric Environment</i> , 2007 , 41, 7208-7218	5.3	79
12	Continuous ice core melter system with discrete sampling for major ion, trace element and stable isotope analyses. <i>Environmental Science & Technology</i> , 2006 , 40, 3355-61	10.3	127
11	A 1400-year high-resolution record of atmospheric circulation over the North Atlantic and Asia. <i>Holocene</i> , 2002 , 12, 257-266	2.6	266
10	High-precision dating of volcanic events (A.D. 1301–1995) using ice cores from Law Dome, Antarctica. <i>Journal of Geophysical Research</i> , 2001 , 106, 28089-28095		71
9	Bipolar Changes in Atmospheric Circulation During the Little Ice Age. <i>Science</i> , 1997 , 277, 1294-1296	33.3	164
8	Glaciochemistry of polar ice cores: A review. <i>Reviews of Geophysics</i> , 1997 , 35, 219-243	23.1	503
7	Changes in Atmospheric Circulation and Ocean Ice Cover over the North Atlantic During the Last 41,000 Years. <i>Science</i> , 1994 , 263, 1747-51	33.3	324

6	Greenland ice core signal characteristics: An expanded view of climate change. <i>Journal of Geophysical Research</i> , 1993 , 98, 12839		115
5	Anthropogenic sulfate and Asian dust signals in snow from Tien Shan, northwest China. <i>Annals of Glaciology</i> , 1992 , 16, 45-52	2.5	58
4	An ice-core record of atmospheric response to anthropogenic sulphate and nitrate. <i>Nature</i> , 1990 , 346, 554-556	50.4	223
3	Sulfate and nitrate concentrations from a South greenland ice core. <i>Science</i> , 1986 , 232, 975-7	33.3	180
2	Himalayan and Trans-Himalayan Glacier Fluctuations Since AD 1812. <i>Arctic and Alpine Research</i> , 1979 , 11, 267		163
1	Temperature and mineral dust variability recorded in two low accumulation Alpine ice cores over the last millennium		2