

Jürgen Peder Steffensen

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

7,543
citations

257450

24
h-index

315739

38
g-index

38
all docs

38
docs citations

38
times ranked

7957
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	A stratigraphic framework for abrupt climatic changes during the Last Glacial period based on three synchronized Greenland ice-core records: refining and extending the INTIMATE event stratigraphy. <i>Quaternary Science Reviews</i> , 2014, 106, 14-28.	3.0	1,436
3	High-Resolution Greenland Ice Core Data Show Abrupt Climate Change Happens in Few Years. <i>Science</i> , 2008, 321, 680-684.	12.6	761
4	The Greenland Ice Core Chronology 2005, 15â€“42ka. Part 1: constructing the time scale. <i>Quaternary Science Reviews</i> , 2006, 25, 3246-3257.	3.0	591
5	Formal definition and dating of the GSSP (Global Stratotype Section and Point) for the base of the Holocene using the Greenland NGRIP ice core, and selected auxiliary records. <i>Journal of Quaternary Science</i> , 2009, 24, 3-17.	2.1	552
6	Ancient Biomolecules from Deep Ice Cores Reveal a Forested Southern Greenland. <i>Science</i> , 2007, 317, 111-114.	12.6	393
7	Synchronisation of palaeoenvironmental records over the last 60,000 years, and an extended INTIMATE event stratigraphy to 48,000â€“2k. <i>Quaternary Science Reviews</i> , 2012, 36, 2-10.	3.0	232
8	A new bipolar ice core record of volcanism from WAIS Divide and NEEM and implications for climate forcing of the last 2000â€“years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1151-1169.	3.3	217
9	Reconstruction of millennial changes in dust emission, transport and regional sea ice coverage using the deep EPICA ice cores from the Atlantic and Indian Ocean sector of Antarctica. <i>Earth and Planetary Science Letters</i> , 2007, 260, 340-354.	4.4	193
10	The size distribution of microparticles from selected segments of the Greenland Ice Core Project ice core representing different climatic periods. <i>Journal of Geophysical Research</i> , 1997, 102, 26755-26763.	3.3	192
11	Lead pollution recorded in Greenland ice indicates European emissions tracked plagues, wars, and imperial expansion during antiquity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5726-5731.	7.1	174
12	Optimization of High-Resolution Continuous Flow Analysis for Transient Climate Signals in Ice Cores. <i>Environmental Science & Technology</i> , 2011, 45, 4483-4489.	10.0	83
13	Visual stratigraphy of the North Greenland Ice Core Project (NorthGRIP) ice core during the last glacial period. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	76
14	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
15	Extreme climate after massive eruption of Alaska's Okmok volcano in 43 BCE and effects on the late Roman Republic and Ptolemaic Kingdom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15443-15449.	7.1	57
16	A tentative reconstruction of the last interglacial and glacial inception in Greenland based on new gas measurements in the Greenland Ice Core Project (GRIP) ice core. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	56
17	A detailed framework of Marine Isotope Stages 4 and 5 volcanic events recorded in two Greenland ice-cores. <i>Quaternary Science Reviews</i> , 2012, 36, 59-77.	3.0	53
18	Pervasive Arctic lead pollution suggests substantial growth in medieval silver production modulated by plague, climate, and conflict. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14910-14915.	7.1	50

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19	Seasonal variations of snow chemistry at NEEM, Greenland. <i>Annals of Glaciology</i> , 2011, 52, 193-200.	1.4	48
20	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
21	A relationship between ion balance and the chemical compounds of salt inclusions found in the Greenland Ice Core Project and Dome Fuji ice cores. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	36
22	A 120,000-year long climate record from a NW-Greenland deep ice core at ultra-high resolution. <i>Scientific Data</i> , 2021, 8, 141.	5.3	28
23	Soluble and insoluble lithium dust in the EPICA DomeC ice core—Implications for changes of the East Antarctic dust provenance during the recent glacial—interglacial transition. <i>Earth and Planetary Science Letters</i> , 2007, 258, 32-43.	4.4	27
24	A multimillion-year-old record of Greenland vegetation and glacial history preserved in sediment beneath 1.4 km of ice at Camp Century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
25	Eurasian contribution to the last glacial dust cycle: how are loess sequences built?. <i>Climate of the Past</i> , 2017, 13, 1181-1197.	3.4	25
26	High-resolution isotopic evidence for a potential Saharan provenance of Greenland glacial dust. <i>Scientific Reports</i> , 2018, 8, 15582.	3.3	20
27	Direct observation of salts as micro-inclusions in the Greenland GRIP ice core. <i>Journal of Glaciology</i> , 2009, 55, 777-783.	2.2	17
28	Evidence for stratigraphic distortion in the Greenland Ice Core Project (GRIP) ice core during Event 5e1 (120 kyr BP) from gas isotopes. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	16
29	The NorthGRIP ice-core logging procedure: description and evaluation. <i>Annals of Glaciology</i> , 2002, 35, 5-8.	1.4	14
30	A new continuous high-resolution detection system for sulphate in ice cores. <i>Annals of Glaciology</i> , 2007, 45, 178-182.	1.4	13
31	Chemical compositions of solid particles present in the Greenland NEEM ice core over the last 110,000 years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9789-9813.	3.3	13
32	Lithium in Greenland ice cores measured by ion chromatography. <i>Annals of Glaciology</i> , 2002, 35, 243-249.	1.4	7
33	Comparison of northern and central Greenland ice core records of methanesulfonate covering the last glacial period. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	7
34	Properties of GRIP ice crystals from around Greenland interstadial 3. <i>Annals of Glaciology</i> , 2002, 35, 531-537.	1.4	4
35	Temporal and spatial variabilities in surface mass balance at the EGRIP site, Greenland from 2009 to 2017. <i>Polar Science</i> , 2021, 27, 100568.	1.2	3
36	Variation in recent annual snow deposition and seasonality of snow chemistry at the east Greenland ice core project (EGRIP) camp, Greenland. <i>Polar Science</i> , 2021, 27, 100597.	1.2	3

#	ARTICLE	IF	CITATIONS
37	Theoretical and Experimental Analysis for Cleaning Ice Cores from Estisol™ 140 Drill Liquid. Applied Sciences (Switzerland), 2021, 11, 3830.	2.5	2
38	Erratum to "Reconstruction of millennial changes in dust emission, transport and regional sea ice coverage using the deep EPICA ice cores from the Atlantic and Indian Ocean sector of Antarctica" [Earth Planet. Sci. Lett. 260 (2007) 340-354]. Earth and Planetary Science Letters, 2007, 262, 635-636.	4.4	1