

JÃ,rgen 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	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
2	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
3	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
4	Theoretical and Experimental Analysis for Cleaning Ice Cores from Estisol™ 140 Drill Liquid. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3830.	2.5	2
5	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
6	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
7	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
8	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
9	High-resolution isotopic evidence for a potential Saharan provenance of Greenland glacial dust. <i>Scientific Reports</i> , 2018, 8, 15582.	3.3	20
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Synchronisation of palaeoenvironmental records over the last 60,000 years, and an extended INTIMATE event stratigraphy to 48,000 years. <i>Quaternary Science Reviews</i> , 2012, 36, 2-10.	3.0	232
18	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

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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	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
21	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
22	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
23	High-Resolution Greenland Ice Core Data Show Abrupt Climate Change Happens in Few Years. <i>Science</i> , 2008, 321, 680-684.	12.6	761
24	A new continuous high-resolution detection system for sulphate in ice cores. <i>Annals of Glaciology</i> , 2007, 45, 178-182.	1.4	13
25	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
26	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
27	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]. <i>Earth and Planetary Science Letters</i> , 2007, 262, 635-636.	4.4	1
28	Ancient Biomolecules from Deep Ice Cores Reveal a Forested Southern Greenland. <i>Science</i> , 2007, 317, 111-114.	12.6	393
29	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
30	The Greenland Ice Core Chronology 2005, 15–42ka. Part 1: constructing the time scale. <i>Quaternary Science Reviews</i> , 2006, 25, 3246-3257.	3.0	591
31	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
32	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004, 429, 623-628.	27.8	2,015
33	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
34	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
35	Lithium in Greenland ice cores measured by ion chromatography. <i>Annals of Glaciology</i> , 2002, 35, 243-249.	1.4	7
36	Properties of GRIP ice crystals from around Greenland interstadial 3. <i>Annals of Glaciology</i> , 2002, 35, 531-537.	1.4	4

#	ARTICLE	IF	CITATIONS
37	The NorthGRIP ice-core logging procedure: description and evaluation. <i>Annals of Glaciology</i> , 2002, 35, 5-8.	1.4	14
38	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