Mads F Knudsen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/18779/publications.pdf

Version: 2024-02-01

50 papers	2,188 citations	279798 23 h-index	223800 46 g-index
50 all docs	50 docs citations	50 times ranked	3371 citing authors

#	Article	IF	Citations
1	Tree rings capture an unruly Sun. Nature Geoscience, 2021, 14, 2-3.	12.9	0
2	BATCH PROCESSING OF TREE-RING SAMPLES FOR RADIOCARBON ANALYSIS. Radiocarbon, 2021, 63, 77-89.	1.8	6
3	CHANGES IN SOLAR ACTIVITY DURING THE WOLF MINIMUMâ€"NEW INSIGHTS FROM A HIGH-RESOLUTION14C RECORD BASED ON DANISH OAK. Radiocarbon, 2021, 63, 91-104.	1.8	4
4	New Single-Year Radiocarbon Measurements Based on Danish oak Covering the Periods AD 692â€"790 and 966â€"1057. Radiocarbon, 2020, 62, 969-987.	1.8	8
5	Topographical evolution and glaciation history of South Greenland constrained by paired 26Al/10Be nuclides. Earth and Planetary Science Letters, 2020, 542, 116300.	4.4	9
6	Variations in Solar Activity Across the SpÃ¶rer Minimum Based on Radiocarbon in Danish Oak. Geophysical Research Letters, 2019, 46, 8617-8623.	4.0	14
7	Time-integrating cosmogenic nuclide inventories under the influence of variable erosion, exposure, and sediment mixing. Quaternary Geochronology, 2019, 51, 110-119.	1.4	13
8	Widespread erosion on high plateaus during recent glaciations in Scandinavia. Nature Communications, 2018, 9, 830.	12.8	26
9	Constraining Quaternary ice covers and erosion rates using cosmogenic 26Al/10Be nuclide concentrations. Quaternary Science Reviews, 2018, 181, 65-75.	3.0	20
10	What Is the Carbon Origin of Early-Wood?. Radiocarbon, 2018, 60, 1457-1464.	1.8	14
11	Pleistocene Evolution of a Scandinavian Plateau Landscape. Journal of Geophysical Research F: Earth Surface, 2018, 123, 3370-3387.	2.8	15
12	One million years of glaciation and denudation history in west Greenland. Nature Communications, 2017, 8, 14199.	12.8	32
13	Cosmic ray event in 994 C.E. recorded in radiocarbon from Danish oak. Geophysical Research Letters, 2017, 44, 8621-8628.	4.0	31
14	Formation of plateau landscapes on glaciated continental margins. Nature Geoscience, 2017, 10, 592-597.	12.9	56
15	CHROMOSPHERIC EMISSION OF PLANET CANDIDATE HOST STARS: A WAY TO IDENTIFY FALSE POSITIVES. Astrophysical Journal Letters, 2016, 830, L7.	8.3	1
16	Observational evidence for enhanced magnetic activity of superflare stars. Nature Communications, 2016, 7, 11058.	12.8	70
17	On the Current Solar Magnetic Activity in the Light of Its Behaviour During the Holocene. Solar Physics, 2016, 291, 303-315.	2.5	8
18	Solar forcing as an important trigger for West Greenland sea-ice variability over the last millennium. Quaternary Science Reviews, 2016, 131, 148-156.	3.0	32

#	Article	IF	Citations
19	The periglacial engine of mountain erosion â€“ Part 1: Rates of frost cracking and frost creep. Earth Surface Dynamics, 2015, 3, 447-462.	2.4	37
20	The periglacial engine of mountain erosion â€“ Part 2: Modelling large-scale landscape evolution. Earth Surface Dynamics, 2015, 3, 463-482.	2.4	32
21	Solar forcing of Holocene summer sea-surface temperatures in the northern North Atlantic. Geology, 2015, 43, 203-206.	4.4	80
22	The lost sunspot cycle: New support from¹⁰Be measurements. Astronomy and Astrophysics, 2015, 575, A77.	5.1	14
23	Grand solar minima and maxima deduced from¹⁰Be and¹⁴C: magnetic dynamo configuration and polarity reversal. Astronomy and Astrophysics, 2015, 577, A20.	5.1	37
24	A multi-nuclide approach to constrain landscape evolution and past erosion rates in previously glaciated terrains. Quaternary Geochronology, 2015, 30, 100-113.	1.4	21
25	Assessing the differences between the IntCal and Greenland ice-core time scales for the last 14,000 years via the common cosmogenic radionuclide variations. Quaternary Science Reviews, 2014, 106, 81-87.	3.0	52
26	Diatomâ€based reconstruction of summer seaâ€surface salinity in the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea over the last 15â€‰000 years. Boreas, 2014, 43, 208-219.	2.4	11
27	Modeling the Relationship Between Neutron Counting Rates and Sunspot Numbers Using the Hysteresis Effect. Solar Physics, 2014, 289, 1387-1402.	2.5	14
28	Evidence for external forcing of the Atlantic Multidecadal Oscillation since termination of the Little Ice Age. Nature Communications, 2014, 5, 3323.	12.8	111
29	Reconstruction of Subdecadal Changes in Sunspot Numbers Based on the NGRIP 10Be Record. Solar Physics, 2014, 289, 4377-4392.	2.5	10
30	Rapid early Holocene ice retreat in West Greenland. Quaternary Science Reviews, 2014, 92, 310-323.	3.0	56
31	Early Holocene large-scale meltwater discharge from Greenland documented by foraminifera and sediment parameters. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 391, 71-81.	2.3	37
32	Lifespan of mountain ranges scaled by feedbacks between landsliding and erosion by rivers. Nature, 2013, 498, 475-478.	27.8	132
33	Evidence of Suess solar-cycle bursts in subtropical Holocene speleothem Î´¹⁸O records. Holocene, 2012, 22, 597-602.	1.7	19
34	Variability of the North Atlantic Oscillation over the past 5,200 years. Nature Geoscience, 2012, 5, 808-812.	12.9	394
35	Rapid directional changes associated with a 6.5kyr-long Blake geomagnetic excursion at the Blakeâ€“Bahama Outer Ridge. Earth and Planetary Science Letters, 2012, 333-334, 21-34.	4.4	36
36	A diatomâ€based reconstruction of summer seaâ€surface salinity in the Southern Okinawa Trough, East China Sea, over the last millennium. Journal of Quaternary Science, 2012, 27, 771-779.	2.1	12

#	Article	IF	Citations
37	Modeling the flow of glaciers in steep terrains: The integrated secondâ€order shallow ice approximation (iSOSIA). Journal of Geophysical Research, 2011, 116, .	3.3	72
38	Tracking the Atlantic Multidecadal Oscillation through the last 8,000 years. Nature Communications, 2011, 2, 178.	12.8	291
39	Application of the multispecimen palaeointensity method to Pleistocene lava flows from the Trans-Mexican Volcanic Belt. Physics of the Earth and Planetary Interiors, 2010, 179, 139-156.	1.9	25
40	Is there a link between Earth's magnetic field and low-latitude precipitation?. Geology, 2009, 37, 71-74.	4.4	43
41	No evidence for Brunhes age excursions, Santo AntÃ£o, Cape Verde. Earth and Planetary Science Letters, 2009, 287, 100-115.	4.4	10
42	Paleomagnetic results from a reconnaissance study of Santiago (Cape Verde Islands): Identification of cryptochron C2r.2r-1. Physics of the Earth and Planetary Interiors, 2009, 173, 279-289.	1.9	9
43	Taking the pulse of the Sun during the Holocene by joint analysis of ¹⁴C and ¹⁰Be. Geophysical Research Letters, 2009, 36, .	4.0	62
44	Variations in the geomagnetic dipole moment during the Holocene and the past 50Âkyr. Earth and Planetary Science Letters, 2008, 272, 319-329.	4.4	114
45	In-phase anomalies in Beryllium-10 production and palaeomagnetic field behaviour during the Iceland Basin geomagnetic excursion. Earth and Planetary Science Letters, 2008, 265, 588-599.	4.4	37
46	Seven thousand year duration for a geomagnetic excursion constrained by ²³⁰Th_{xs}. Geophysical Research Letters, 2007, 34, .	4.0	13
47	High-resolution data of the Iceland Basin geomagnetic excursion from ODP sites 1063 and 983: Existence of intense flux patches during the excursion?. Earth and Planetary Science Letters, 2006, 251, 18-32.	4.4	16
48	Palaeomagnetic distortion modelling and possible recovery by inversion. Physics of the Earth and Planetary Interiors, 2003, 135, 55-73.	1.9	13
49	Paleomagnetic evidence from Cape Verde Islands basalts for fully reversed excursions in the Brunhes Chron. Earth and Planetary Science Letters, 2003, 206, 199-214.	4.4	16
50	AN INTERCOMPARISON PROJECT ON 14C FROM SINGLE-YEAR TREE RINGS. Radiocarbon, 0, , 1-8.	1.8	3