

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	Variability of the North Atlantic Oscillation over the past 5,200 years. <i>Nature Geoscience</i> , 2012, 5, 808-812.	12.9	394
2	Tracking the Atlantic Multidecadal Oscillation through the last 8,000 years. <i>Nature Communications</i> , 2011, 2, 178.	12.8	291
3	Lifespan of mountain ranges scaled by feedbacks between landsliding and erosion by rivers. <i>Nature</i> , 2013, 498, 475-478.	27.8	132
4	Variations in the geomagnetic dipole moment during the Holocene and the past 50 kyr. <i>Earth and Planetary Science Letters</i> , 2008, 272, 319-329.	4.4	114
5	Evidence for external forcing of the Atlantic Multidecadal Oscillation since termination of the Little Ice Age. <i>Nature Communications</i> , 2014, 5, 3323.	12.8	111
6	Solar forcing of Holocene summer sea-surface temperatures in the northern North Atlantic. <i>Geology</i> , 2015, 43, 203-206.	4.4	80
7	Modeling the flow of glaciers in steep terrains: The integrated second-order shallow ice approximation (iSOSIA). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	72
8	Observational evidence for enhanced magnetic activity of superflare stars. <i>Nature Communications</i> , 2016, 7, 11058.	12.8	70
9	Taking the pulse of the Sun during the Holocene by joint analysis of ¹⁴ C and ¹⁰ Be. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	62
10	Rapid early Holocene ice retreat in West Greenland. <i>Quaternary Science Reviews</i> , 2014, 92, 310-323.	3.0	56
11	Formation of plateau landscapes on glaciated continental margins. <i>Nature Geoscience</i> , 2017, 10, 592-597.	12.9	56
12	Assessing the differences between the IntCal and Greenland ice-core time scales for the last 14,000 years via the common cosmogenic radionuclide variations. <i>Quaternary Science Reviews</i> , 2014, 106, 81-87.	3.0	52
13	Is there a link between Earth's magnetic field and low-latitude precipitation?. <i>Geology</i> , 2009, 37, 71-74.	4.4	43
14	In-phase anomalies in Beryllium-10 production and palaeomagnetic field behaviour during the Iceland Basin geomagnetic excursion. <i>Earth and Planetary Science Letters</i> , 2008, 265, 588-599.	4.4	37
15	Early Holocene large-scale meltwater discharge from Greenland documented by foraminifera and sediment parameters. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 391, 71-81.	2.3	37
16	The periglacial engine of mountain erosion – Part 1: Rates of frost cracking and frost creep. <i>Earth Surface Dynamics</i> , 2015, 3, 447-462.	2.4	37
17	Grand solar minima and maxima deduced from ¹⁰ Be and ¹⁴ C: magnetic dynamo configuration and polarity reversal. <i>Astronomy and Astrophysics</i> , 2015, 577, A20.	5.1	37
18	Rapid directional changes associated with a 6.5kyr-long Blake geomagnetic excursion at the Blake-Bahama Outer Ridge. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 21-34.	4.4	36

#	ARTICLE	IF	CITATIONS
19	The periglacial engine of mountain erosion – Part 2: Modelling large-scale landscape evolution. <i>Earth Surface Dynamics</i> , 2015, 3, 463-482.	2.4	32
20	Solar forcing as an important trigger for West Greenland sea-ice variability over the last millennium. <i>Quaternary Science Reviews</i> , 2016, 131, 148-156.	3.0	32
21	One million years of glaciation and denudation history in west Greenland. <i>Nature Communications</i> , 2017, 8, 14199.	12.8	32
22	Cosmic ray event in 994 C.E. recorded in radiocarbon from Danish oak. <i>Geophysical Research Letters</i> , 2017, 44, 8621-8628.	4.0	31
23	Widespread erosion on high plateaus during recent glaciations in Scandinavia. <i>Nature Communications</i> , 2018, 9, 830.	12.8	26
24	Application of the multispecimen palaeointensity method to Pleistocene lava flows from the Trans-Mexican Volcanic Belt. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 179, 139-156.	1.9	25
25	A multi-nuclide approach to constrain landscape evolution and past erosion rates in previously glaciated terrains. <i>Quaternary Geochronology</i> , 2015, 30, 100-113.	1.4	21
26	Constraining Quaternary ice covers and erosion rates using cosmogenic ²⁶ Al/ ¹⁰ Be nuclide concentrations. <i>Quaternary Science Reviews</i> , 2018, 181, 65-75.	3.0	20
27	Evidence of Suess solar-cycle bursts in subtropical Holocene speleothem ¹⁸ O records. <i>Holocene</i> , 2012, 22, 597-602.	1.7	19
28	Paleomagnetic evidence from Cape Verde Islands basalts for fully reversed excursions in the Brunhes Chron. <i>Earth and Planetary Science Letters</i> , 2003, 206, 199-214.	4.4	16
29	High-resolution data of the Iceland Basin geomagnetic excursion from ODP sites 1063 and 983: Existence of intense flux patches during the excursion?. <i>Earth and Planetary Science Letters</i> , 2006, 251, 18-32.	4.4	16
30	Pleistocene Evolution of a Scandinavian Plateau Landscape. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 3370-3387.	2.8	15
31	Modeling the Relationship Between Neutron Counting Rates and Sunspot Numbers Using the Hysteresis Effect. <i>Solar Physics</i> , 2014, 289, 1387-1402.	2.5	14
32	The lost sunspot cycle: New support from ¹⁰ Be measurements. <i>Astronomy and Astrophysics</i> , 2015, 575, A77.	5.1	14
33	What Is the Carbon Origin of Early-Wood?. <i>Radiocarbon</i> , 2018, 60, 1457-1464.	1.8	14
34	Variations in Solar Activity Across the Spörer Minimum Based on Radiocarbon in Danish Oak. <i>Geophysical Research Letters</i> , 2019, 46, 8617-8623.	4.0	14
35	Palaeomagnetic distortion modelling and possible recovery by inversion. <i>Physics of the Earth and Planetary Interiors</i> , 2003, 135, 55-73.	1.9	13
36	Seven thousand year duration for a geomagnetic excursion constrained by ²³⁰ Th. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	13

#	ARTICLE	IF	CITATIONS
37	Time-integrating cosmogenic nuclide inventories under the influence of variable erosion, exposure, and sediment mixing. <i>Quaternary Geochronology</i> , 2019, 51, 110-119.	1.4	13
38	A diatom-based reconstruction of summer sea-surface salinity in the Southern Okinawa Trough, East China Sea, over the last millennium. <i>Journal of Quaternary Science</i> , 2012, 27, 771-779.	2.1	12
39	Diatom-based reconstruction of summer sea-surface salinity in the South China Sea over the last 15,000 years. <i>Boreas</i> , 2014, 43, 208-219.	2.4	11
40	No evidence for Brunhes age excursions, Santo Antão, Cape Verde. <i>Earth and Planetary Science Letters</i> , 2009, 287, 100-115.	4.4	10
41	Reconstruction of Subdecadal Changes in Sunspot Numbers Based on the NGRIP 10Be Record. <i>Solar Physics</i> , 2014, 289, 4377-4392.	2.5	10
42	Paleomagnetic results from a reconnaissance study of Santiago (Cape Verde Islands): Identification of cryptochron C2r.2r-1. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 173, 279-289.	1.9	9
43	Topographical evolution and glaciation history of South Greenland constrained by paired ²⁶ Al/ ¹⁰ Be nuclides. <i>Earth and Planetary Science Letters</i> , 2020, 542, 116300.	4.4	9
44	On the Current Solar Magnetic Activity in the Light of Its Behaviour During the Holocene. <i>Solar Physics</i> , 2016, 291, 303-315.	2.5	8
45	New Single-Year Radiocarbon Measurements Based on Danish oak Covering the Periods AD 692-790 and 966-1057. <i>Radiocarbon</i> , 2020, 62, 969-987.	1.8	8
46	BATCH PROCESSING OF TREE-RING SAMPLES FOR RADIOCARBON ANALYSIS. <i>Radiocarbon</i> , 2021, 63, 77-89.	1.8	6
47	CHANGES IN SOLAR ACTIVITY DURING THE WOLF MINIMUM—NEW INSIGHTS FROM A HIGH-RESOLUTION ¹⁴ C RECORD BASED ON DANISH OAK. <i>Radiocarbon</i> , 2021, 63, 91-104.	1.8	4
48	AN INTERCOMPARISON PROJECT ON ¹⁴ C FROM SINGLE-YEAR TREE RINGS. <i>Radiocarbon</i> , 0, , 1-8.	1.8	3
49	CHROMOSPHERIC EMISSION OF PLANET CANDIDATE HOST STARS: A WAY TO IDENTIFY FALSE POSITIVES. <i>Astrophysical Journal Letters</i> , 2016, 830, L7.	8.3	1
50	Tree rings capture an unruly Sun. <i>Nature Geoscience</i> , 2021, 14, 2-3.	12.9	0