

# Florian Adolphi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7188271/publications.pdf>

Version: 2024-02-01

51  
papers

5,289  
citations

346980

22  
h-index

223390

49  
g-index

81  
all docs

81  
docs citations

81  
times ranked

6685  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmogenic radionuclides reveal an extreme solar particle storm near a solar minimum 9125 years BP. Nature Communications, 2022, 13, 214.	5.8	24
2	Toward Reconciling Radiocarbon Production Rates With Carbon Cycle Changes of the Last 55,000 Years. Paleoceanography and Paleoclimatology, 2022, 37, .	1.3	7
3	Tree-rings reveal two strong solar proton events in 7176 and 5259 BCE. Nature Communications, 2022, 13, 1196.	5.8	21
4	Solar and meteorological influences on seasonal atmospheric <sup>7</sup> Be in Europe for 1975 to 2018. Chemosphere, 2021, 263, 128318.	4.2	11
5	A global environmental crisis 42,000 years ago. Science, 2021, 371, 811-818.	6.0	61
6	Solar Activity of the Past 100 Years Inferred From <sup>10</sup> Be in Ice Cores—Implications for Long-Term Solar Activity Reconstructions. Geophysical Research Letters, 2021, 48, e2020GL090896.	1.5	5
7	Geomagnetic dipole moment variations for the last glacial period inferred from cosmogenic radionuclides in Greenland ice cores via disentangling the climate and production signals. Quaternary Science Reviews, 2021, 258, 106881.	1.4	14
8	Major Differences in Regional Climate Impact Between High- and Low-Latitude Volcanic Eruptions. Geophysical Research Letters, 2021, 48, e2020GL092017.	1.5	5
9	Precise date for the Laacher See eruption synchronizes the Younger Dryas. Nature, 2021, 595, 66-69.	13.7	53
10	A Single-Year Cosmic Ray Event at 5410 BCE Registered in <sup>14</sup> C of Tree Rings. Geophysical Research Letters, 2021, 48, e2021GL093419.	1.5	25
11	The Signal of Solar Storms Embedded in Cosmogenic Radionuclides: Detectability and Uncertainties. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029351.	0.8	16
12	Eleven-year solar cycles over the last millennium revealed by radiocarbon in tree rings. Nature Geoscience, 2021, 14, 10-15.	5.4	97
13	BATCH PROCESSING OF TREE-RING SAMPLES FOR RADIOCARBON ANALYSIS. Radiocarbon, 2021, 63, 77-89.	0.8	6
14	Response to Comment on “A global environmental crisis 42,000 years ago”. Science, 2021, 374, eabi9756.	6.0	2
15	Response to Comment on “A global environmental crisis 42,000 years ago”. Science, 2021, 374, eabh3655.	6.0	0
16	Testing and Improving the IntCal20 Calibration Curve with Independent Records. Radiocarbon, 2020, 62, 1079-1094.	0.8	18
17	The IntCal20 Northern Hemisphere Radiocarbon Age Calibration Curve (0–55 cal kBP). Radiocarbon, 2020, 62, 725-757.	0.8	3,502
18	Solar and climate signals revealed by seasonal <sup>10</sup> Be data from the NEEM ice core project for the neutron monitor period. Earth and Planetary Science Letters, 2020, 541, 116273.	1.8	13

#	ARTICLE	IF	CITATIONS
19	Radionuclide wiggle matching reveals a nonsynchronous early Holocene climate oscillation in Greenland and western Europe around a grand solar minimum. <i>Climate of the Past</i> , 2020, 16, 1145-1157.	1.3	8
20	Mysteriously high $\delta^{14}\text{C}$ of the glacial atmosphere: influence of $\delta^{14}\text{C}$ production and carbon cycle changes. <i>Climate of the Past</i> , 2020, 16, 1159-1185.	1.3	12
21	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.	1.3	44
22	Seasonal reconstructions coupling ice core data and an isotope-enabled climate model – methodological implications of seasonality, climate modes and selection of proxy data. <i>Climate of the Past</i> , 2020, 16, 1737-1758.	1.3	9
23	Reconciling the Greenland ice-core and radiocarbon timescales through the Laschamp geomagnetic excursion. <i>Earth and Planetary Science Letters</i> , 2019, 520, 1-9.	1.8	7
24	Decadal-scale progression of the onset of Dansgaard-Oeschger warming events. <i>Climate of the Past</i> , 2019, 15, 811-825.	1.3	31
25	Multiradionuclide evidence for an extreme solar proton event around 2,610 B.P. ( $\approx 4660$ BC). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5961-5966.	3.3	63
26	Sand drift events and surface winds in south-central Sweden: From the deglaciation to the present. <i>Quaternary Science Reviews</i> , 2019, 209, 13-22.	1.4	16
27	A South Atlantic island record uncovers shifts in westerlies and hydroclimate during the last glacial. <i>Climate of the Past</i> , 2019, 15, 1939-1958.	1.3	0
28	Greenland records of aerosol source and atmospheric lifetime changes from the Eemian to the Holocene. <i>Nature Communications</i> , 2018, 9, 1476.	5.8	74
29	Climate information preserved in seasonal water isotope at NEEM: relationships with temperature, circulation and sea ice. <i>Climate of the Past</i> , 2018, 14, 1067-1078.	1.3	11
30	Synchronizing $\delta^{10}\text{Be}$ in two varved lake sediment records to $\delta^{14}\text{C}$ during three grand solar minima. <i>Climate of the Past</i> , 2018, 14, 687-696.	1.3	18
31	Connecting the Greenland ice-core and $^{26}\text{Al}$ timescales via cosmogenic radionuclides: testing the synchronicity of Dansgaard-Oeschger events. <i>Climate of the Past</i> , 2018, 14, 1755-1781.	1.3	62
32	Solar and volcanic forcing of North Atlantic climate inferred from a process-based reconstruction. <i>Climate of the Past</i> , 2018, 14, 1179-1194.	1.3	31
33	No Coincident Nitrate Enhancement Events in Polar Ice Cores Following the Largest Known Solar Storms. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,900.	1.2	14
34	Rapid global ocean-atmosphere response to Southern Ocean freshening during the last glacial. <i>Nature Communications</i> , 2017, 8, 520.	5.8	15
35	Radiocarbon calibration uncertainties during the last deglaciation: Insights from new floating tree-ring chronologies. <i>Quaternary Science Reviews</i> , 2017, 170, 98-108.	1.4	47
36	The WAIS Divide deep ice core WD2014 chronology – Part 2: Annual-layer counting (0-31 ka BP). <i>Climate of the Past</i> , 2016, 12, 769-786.	1.3	137

#	ARTICLE	IF	CITATIONS
37	Synchronizing the Greenland ice core and radiocarbon timescales over the Holocene – Bayesian wiggle-matching of cosmogenic radionuclide records. <i>Climate of the Past</i> , 2016, 12, 15-30.	1.3	68
38	High-precision dating and correlation of ice, marine and terrestrial sequences spanning Heinrich Event 3: Testing mechanisms of interhemispheric change using New Zealand ancient kauri (Agathis) Tj ETQq0 0 0 rgBT /Overlook 10 Tf 5	1.4	13
39	The Revised Sunspot Record in Comparison to Cosmogenic Radionuclide-Based Solar Activity Reconstructions. <i>Solar Physics</i> , 2016, 291, 3025-3043.	1.0	68
40	A varved lake sediment record of the $^{10}\text{Be}$ solar activity proxy for the Lateglacial-Holocene transition. <i>Quaternary Science Reviews</i> , 2016, 153, 31-39.	1.4	13
41	Periodicities in mid- to late-Holocene peatland hydrology identified from Swedish and Lithuanian tree-ring data. <i>Quaternary Science Reviews</i> , 2016, 137, 200-208.	1.4	8
42	Mid-Holocene humid periods reconstructed from calcite varves of the Lake Woserin sediment record (north-eastern Germany). <i>Holocene</i> , 2016, 26, 935-946.	0.9	14
43	Solar cycles and depositional processes in annual $^{10}\text{Be}$ from two varved lake sediment records. <i>Earth and Planetary Science Letters</i> , 2015, 428, 44-51.	1.8	24
44	Rapid increase in cosmogenic $^{14}\text{C}$ in AD 775 measured in New Zealand kauri trees indicates short-lived increase in $^{14}\text{C}$ production spanning both hemispheres. <i>Earth and Planetary Science Letters</i> , 2015, 411, 290-297.	1.8	86
45	Multiradionuclide evidence for the solar origin of the cosmic-ray events of AD 774/5 and 993/4. <i>Nature Communications</i> , 2015, 6, 8611.	5.8	188
46	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.	1.4	52
47	Challenges in $^{14}\text{C}$ dating towards the limit of the method inferred from anchoring a floating tree ring radiocarbon chronology to ice core records around the Laschamp geomagnetic field minimum. <i>Earth and Planetary Science Letters</i> , 2014, 394, 209-215.	1.8	28
48	Persistent link between solar activity and Greenland climate during the Last Glacial Maximum. <i>Nature Geoscience</i> , 2014, 7, 662-666.	5.4	80
49	Intercomparison of $^{14}\text{C}$ Dating of Wood Samples at Lund University and ETH-Zurich AMS Facilities: Extraction, Graphitization, and Measurement. <i>Radiocarbon</i> , 2013, 55, 391-400.	0.8	13
50	Intercomparison of Radiocarbon Dating of Wood Samples at Lund University and ETH Zurich AMS Facilities: Extraction, Graphitization, and Measurement. <i>Radiocarbon</i> , 2013, 55, .	0.8	2
51	Impact of climate change on the Baltic Sea ecosystem over the past 1,000 years. <i>Nature Climate Change</i> , 2012, 2, 871-874.	8.1	125