

# Frank Niessen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/695118/publications.pdf>

Version: 2024-02-01

48  
papers

2,982  
citations

236925

25  
h-index

233421

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismostratigraphic and Geomorphic Evidence for the Glacial History of the Northwestern Chukchi Margin, Arctic Ocean. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021, 126, e2020JF006030.	2.8	14
2	A Pulse of Meteoric Subsurface Fluid Discharging Into the Chukchi Sea During the Early Holocene Thermal Maximum (EHTM). <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009750.	2.5	4
3	Cyclostratigraphic age constraining for Quaternary sediments in the Makarov Basin of the western Arctic Ocean using manganese variability. <i>Quaternary Geochronology</i> , 2020, 55, 101021.	1.4	3
4	Glacial-interglacial cycles largely controlled mass movements during the late Quaternary in Lake El'gygytyn, Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 539, 109506.	2.3	0
5	Late Quaternary depositional and glacial history of the Arliss Plateau off the East Siberian margin in the western Arctic Ocean. <i>Quaternary Science Reviews</i> , 2020, 228, 106099.	3.0	17
6	Holocene changes in sea-ice cover and polynya formation along the eastern North Greenland shelf: New insights from biomarker records. <i>Quaternary Science Reviews</i> , 2020, 231, 106173.	3.0	32
7	The structural elements and tectonics of the Lake Van basin (Eastern Anatolia) from multi-channel seismic reflection profiles. <i>Journal of African Earth Sciences</i> , 2017, 129, 165-178.	2.0	25
8	Holocene variability in sea ice cover, primary production, and Pacific Water inflow and climate change in the Chukchi and East Siberian Seas (Arctic Ocean). <i>Journal of Quaternary Science</i> , 2017, 32, 362-379.	2.1	86
9	Arctic Ocean sea ice cover during the penultimate glacial and the last interglacial. <i>Nature Communications</i> , 2017, 8, 373.	12.8	95
10	Inference on Paleoclimate Change Using Microbial Habitat Preference in Arctic Holocene Sediments. <i>Scientific Reports</i> , 2017, 7, 9652.	3.3	7
11	Production of fluorescent dissolved organic matter in Arctic Ocean sediments. <i>Scientific Reports</i> , 2016, 6, 39213.	3.3	80
12	Evidence for ice-free summers in the late Miocene central Arctic Ocean. <i>Nature Communications</i> , 2016, 7, 11148.	12.8	96
13	An East Siberian ice shelf during the Late Pleistocene glaciations: Numerical reconstructions. <i>Quaternary Science Reviews</i> , 2016, 147, 148-163.	3.0	18
14	Exploring the long-term Cenozoic Arctic Ocean climate history: a challenge within the International Ocean Discovery Program (IODP). <i>Arktos</i> , 2015, 1, 1.	1.0	12
15	Arctic Ocean glacial history. <i>Quaternary Science Reviews</i> , 2014, 92, 40-67.	3.0	184
16	Deep water paleo-iceberg scouring on top of Hovgaard Ridge—Arctic Ocean. <i>Geophysical Research Letters</i> , 2014, 41, 5068-5074.	4.0	16
17	Repeated Pleistocene glaciation of the East Siberian continental margin. <i>Nature Geoscience</i> , 2013, 6, 842-846.	12.9	140
18	Sedimentary evolution of Lake Van (Eastern Turkey) reconstructed from high-resolution seismic investigations. <i>International Journal of Earth Sciences</i> , 2013, 102, 571-585.	1.8	41

#	ARTICLE	IF	CITATIONS
19	Introduction: The ANDRILL McMurdo Ice Shelf (MIS) and Southern McMurdo Sound (SMS) Drilling Projects. , 2012, 8, 546-547.		0
20	Neogene tectonic and climatic evolution of the Western Ross Sea, Antarctica " Chronology of events from the AND-1B drill hole. Global and Planetary Change, 2012, 96-97, 189-203.	3.5	27
21	Seismic evidence of up to 200m lake level change in Southern Patagonia since Marine Isotope Stage 4. Sedimentology, 2012, 59, 1087-1100.	3.1	23
22	Intraplate volcanism off South Greenland: caused by glacial rebound?. Geophysical Journal International, 2012, 190, 1-7.	2.4	16
23	Local variability of sedimentation rate in Lake Arendsee, Germany. Limnologica, 2010, 40, 97-101.	1.5	10
24	Late Quaternary lake response to climate change and anthropogenic impact: biomarker evidence from Lake Constance sediments. Journal of Paleolimnology, 2009, 41, 393-406.	1.6	13
25	Late Quaternary mass movement events in Lake Elgygytgyn, North-eastern Siberia. Sedimentology, 2009, 56, 2155-2174.	3.1	41
26	Environmental history of southern Patagonia unravelled by the seismic stratigraphy of Laguna Potrok Aike. Sedimentology, 2009, 56, 873-892.	3.1	99
27	"PALEOVAN"™, International Continental Scientific Drilling Program (ICDP): site survey results and perspectives. Quaternary Science Reviews, 2009, 28, 1555-1567.	3.0	177
28	Antarctic Drilling Recovers Stratigraphic Records From the Continental Margin. Eos, 2009, 90, 90-91.	0.1	23
29	The eastern extent of the Barents-Kara ice sheet during the Last Glacial Maximum based on seismic-reflection data from the eastern Kara Sea. Polar Research, 2008, 27, 162-172.	1.6	31
30	A record of Antarctic climate and ice sheet history recovered. Eos, 2007, 88, 557-558.	0.1	22
31	Millennial to interannual climate variability in the Mediterranean during the Last Glacial Maximum. Quaternary International, 2004, 122, 31-41.	1.5	39
32	Siberian river run-off and Late Quaternary glaciation in the southern Kara Sea, Arctic Ocean: preliminary results. Polar Research, 2002, 21, 315-322.	1.6	8
33	Siberian river run-off and Late Quaternary glaciation in the southern Kara Sea, Arctic Ocean: preliminary results. Polar Research, 2002, 21, 315-322.	1.6	41
34	The Late Quaternary evolution of the western Laptev Sea continental margin, Arctic Siberia" implications from sub-bottom profiling. Global and Planetary Change, 2001, 31, 105-124.	3.5	33
35	Orbitally induced oscillations in the East Antarctic ice sheet at the Oligocene/Miocene boundary. Nature, 2001, 413, 719-723.	27.8	222
36	Holocene climate history of Geographical Society Å, East Greenland " evidence from lake sediments. Palaeogeography, Palaeoclimatology, Palaeoecology, 2000, 160, 45-68.	2.3	77

#	ARTICLE	IF	CITATIONS
37	Effects of cementation on velocities of siliciclastic sediments. <i>Geophysical Research Letters</i> , 2000, 27, 593-596.	4.0	13
38	GLACIAL VARVE THICKNESS AND 127 YEARS OF INSTRUMENTAL CLIMATE DATA: A COMPARISON. <i>Climatic Change</i> , 1997, 36, 391-411.	3.6	50
39	Calibration and application of marine sedimentary physical properties using a multi-sensor core logger. <i>Marine Geology</i> , 1997, 136, 151-172.	2.1	171
40	Interhemispheric synchrony of Late-glacial climatic instability as recorded in proglacial Lake Mascardi, Argentina. <i>Journal of Quaternary Science</i> , 1997, 12, 333-338.	2.1	110
41	Glacial Varve Thickness and 127 Years of Instrumental Climate Data: A Comparison. , 1997, , 159-179.		10
42	Glacial history of east Greenland explored. <i>Eos</i> , 1995, 76, 353-353.	0.1	10
43	Varve formation and the climatic record in an Alpine proglacial lake: calibrating annually-laminated sediments against hydrological and meteorological data. <i>Holocene</i> , 1994, 4, 1-8.	1.7	116
44	Holocene glacial activity and climatic variations in the Swiss Alps: reconstructing a continuous record from proglacial lake sediments. <i>Holocene</i> , 1994, 4, 259-268.	1.7	153
45	Palaeolimnological studies of the eutrophication of volcanic Lake Albano (Central Italy). <i>Journal of Paleolimnology</i> , 1994, 10, 181-197.	1.6	53
46	Dust transport and palaeoclimate during the Oldest Dryas in Central Europe – implications from varves (Lake Constance). <i>Climate Dynamics</i> , 1992, 8, 71-81.	3.8	24
47	Lake Qinghai, China: closed-basin like levels and the oxygen isotope record for ostracoda since the latest Pleistocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1991, 84, 141-162.	2.3	440
48	Historical record of polychlorinated dibenzo-dioxins and dibenzofurans in Swiss lake sediments. <i>Chemosphere</i> , 1985, 14, 1175-1179.	8.2	60