

Ludvig A LÅwemark

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,925
citations

126907

33
h-index

175258

52
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80
all docs

80
docs citations

80
times ranked

3439
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-Heterogeneity in Marine Sediments Revealed by Three-Dimensional High-Resolution Radiocarbon Measurements. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	3
2	The 20-million-year old lair of an ambush-predatory worm preserved in northeast Taiwan. <i>Scientific Reports</i> , 2021, 11, 1174.	3.3	5
3	A muted El Niño-like condition during late MIS 3. <i>Quaternary Science Reviews</i> , 2021, 254, 106782.	3.0	9
4	Hydroclimate variability of central Indo-Pacific region during the Holocene. <i>Quaternary Science Reviews</i> , 2021, 253, 106779.	3.0	13
5	Corascope: Software assisted XRF scan merging. <i>Computers and Geosciences</i> , 2021, 156, 104906.	4.2	2
6	Potential and pitfalls of XRF-CS analysis of ion-exchange resins in environmental studies. <i>Scientific Reports</i> , 2021, 11, 20941.	3.3	1
7	Middle to Late Pleistocene Arctic paleoceanographic changes based on sedimentary records from Mendeleev Ridge and Makarov Basin. <i>Quaternary Science Reviews</i> , 2020, 228, 106105.	3.0	23
8	Microplastic pollution of the Tamsui River and its tributaries in northern Taiwan: Spatial heterogeneity and correlation with precipitation. <i>Environmental Pollution</i> , 2020, 260, 113935.	7.5	105
9	Re-evaluating $\delta^{14}\text{C}$ dating accuracy in deep-sea sediment archives. <i>Geochronology</i> , 2020, 2, 17-31.	2.5	9
10	What caused the cultural hiatus in the Iron-Age Kiwulan Site, northeastern Taiwan?. <i>Quaternary International</i> , 2019, 514, 186-194.	1.5	7
11	Rainfall variations in central Indo-Pacific over the past 2,700 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17201-17206.	7.1	73
12	High resolution XRF core scanners: A key tool for the environmental and palaeoclimate sciences. <i>Quaternary International</i> , 2019, 514, 1-4.	1.5	13
13	Rapid assessment of heavy metal pollution using ion-exchange resin sachets and micro-XRF core-scanning. <i>Scientific Reports</i> , 2019, 9, 6601.	3.3	23
14	Stratigraphic Occurrences of Sub-Polar Planktic Foraminifera in Pleistocene Sediments on the Lomonosov Ridge, Arctic Ocean. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	12
15	Current perspectives on the capabilities of high resolution XRF core scanners. <i>Quaternary International</i> , 2019, 514, 5-15.	1.5	54
16	Practical guidelines and recent advances in the Itrax XRF core-scanning procedure. <i>Quaternary International</i> , 2019, 514, 16-29.	1.5	39
17	Deciphering $\sim 145,000$ years of Arctic Ocean lithostratigraphic variability through multivariate statistical analysis. <i>Quaternary International</i> , 2019, 514, 141-151.	1.5	9
18	Changes in sea ice cover and ice sheet extent at the Yermak Plateau during the last 160 ka "Reconstructions from biomarker records. <i>Quaternary Science Reviews</i> , 2018, 182, 93-108.	3.0	43

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19	New insights from XRF core scanning data into boreal lake ontogeny during the Eemian (Marine) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	5
20	Monsoonal Forcing of European Ice Sheet Dynamics During the Late Quaternary. Geophysical Research Letters, 2018, 45, 7066-7074.	4.0	17
21	New constraints on Arctic Ocean Mn stratigraphy from radiocarbon dating on planktonic foraminifera. Quaternary International, 2017, 447, 13-26.	1.5	9
22	Editorial: AMS C14 applications. Quaternary International, 2017, 447, 1-2.	1.5	0
23	Disentangling Natural and Anthropogenic Signals in Lacustrine Records: An Example from the Ilan Plain, NE Taiwan. Frontiers in Earth Science, 2016, 4, .	1.8	9
24	Testing commonly used X-ray fluorescence core scanning-based proxies for organic-rich lake sediments and peat. Boreas, 2016, 45, 180-189.	2.4	67
25	Development of an Eemian (MIS 5e) Interglacial palaeolake at Sokli (N Finland) inferred using multiple proxies. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 463, 11-26.	2.3	11
26	Distribution and quantity of microplastic on sandy beaches along the northern coast of Taiwan. Marine Pollution Bulletin, 2016, 111, 126-135.	5.0	127
27	Variations in glacial and interglacial marine conditions over the last two glacial cycles off northern Greenland. Quaternary Science Reviews, 2016, 147, 164-177.	3.0	14
28	A peculiar reworking of <i>Ophiomorpha</i> shafts in the Miocene Nangang Formation, Taiwan. Geodinamica Acta, 2016, 28, 71-85.	2.2	10
29	Choosing optimal exposure times for XRF core scanning: Suggestions based on the analysis of geological reference materials. Geochemistry, Geophysics, Geosystems, 2016, 17, 1558-1566.	2.5	24
30	Evidence for targeted elasmobranch predation on thalassinidean shrimp in the Miocene Taliao Formation, NE Taiwan. Lethaia, 2015, 48, 227-234.	1.4	10
31	Testing ethological hypotheses of the trace fossil Zoophycos based on Quaternary material from the Greenland and Norwegian Seas. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 425, 1-13.	2.3	44
32	Can XRF scanning of speleothems be used as a non-destructive method to identify paleoflood events in caves?. International Journal of Speleology, 2015, 44, 17-23.	1.0	22
33	The Tienchi Pond on Lanyu Island (Western Pacific): Lake formation and potential as environmental archive. Journal of Asian Earth Sciences, 2015, 114, 435-446.	2.3	0
34	Hydroclimatic shifts in northeast Thailand during the last two millennia – the record of Lake Pa Kho. Quaternary Science Reviews, 2015, 111, 62-71.	3.0	31
35	Oceanic density fronts steering bottom-current induced sedimentation deduced from a 50ka contourite-drift record and numerical modeling (off NW Spain). Quaternary Science Reviews, 2015, 112, 207-225.	3.0	52
36	Palaeoenvironmental record of glacial lake evolution during the early Holocene at Sokli, NE Finland. Boreas, 2014, 43, 362-376.	2.4	25

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37	Arctic Ocean Mn-stratigraphy: genesis, synthesis and inter-basin correlation. <i>Quaternary Science Reviews</i> , 2014, 92, 97-111.	3.0	64
38	An Arctic perspective on dating Mid-Late Pleistocene environmental history. <i>Quaternary Science Reviews</i> , 2014, 92, 9-31.	3.0	48
39	Paleohydrological changes in northeastern Taiwan over the past 2ky inferred from biological proxies in the sediment record of a floodplain lake. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 401-411.	2.3	15
40	Geochemical responses to paleoclimatic changes in southern Sweden since the late glacial: the HÄsseldala Port lake sediment record. <i>Journal of Paleolimnology</i> , 2013, 50, 57-70.	1.6	74
41	Lake Kumphawapi – an archive of Holocene palaeoenvironmental and palaeoclimatic changes in northeast Thailand. <i>Quaternary Science Reviews</i> , 2013, 68, 59-75.	3.0	40
42	Biogenic and detrital-rich intervals in central Arctic Ocean cores identified using x-ray fluorescence scanning. <i>Polar Research</i> , 2013, 32, 18386.	1.6	28
43	Late Quaternary spatial and temporal variability in Arctic deep-sea bioturbation and its relation to Mn cycles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 365-366, 192-208.	2.3	42
44	Ethological analysis of the trace fossil <i>Zoophycos</i> : hints from the Arctic Ocean. <i>Lethaia</i> , 2012, 45, 290-298.	1.4	37
45	Holocene environmental changes in northeast Thailand as reconstructed from a tropical wetland. <i>Global and Planetary Change</i> , 2012, 92-93, 148-161.	3.5	25
46	Recommendations for using XRF core scanning as a tool in tephrochronology. <i>Holocene</i> , 2012, 22, 371-375.	1.7	77
47	Normalizing XRF-scanner data: A cautionary note on the interpretation of high-resolution records from organic-rich lakes. <i>Journal of Asian Earth Sciences</i> , 2011, 40, 1250-1256.	2.3	229
48	Zoophycos cyclicity during the last 425ka in the northeastern South China Sea: Evidence for monsoon fluctuation at the Milankovitch scale. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 305, 256-263.	2.3	21
49	Variations in monsoonal rainfall over the last 21 kyr inferred from sedimentary organic matter in Tung-Yuan Pond, southern Taiwan. <i>Quaternary Science Reviews</i> , 2011, 30, 3413-3422.	3.0	37
50	Morphology, ethology and taxonomy of the ichnogenus <i>Schaubcylindrichnus</i> : Notes for clarification. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 297, 184-187.	2.3	18
51	Enhanced Mediterranean-Atlantic exchange during Atlantic freshening phases. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	57
52	Reconstructing the southern South China Sea upper water column structure since the Last Glacial Maximum: Implications for the East Asian winter monsoon development. <i>Paleoceanography</i> , 2010, 25, .	3.0	72
53	Flow of Canadian basin deep water in the Western Eurasian Basin of the Arctic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 577-586.	1.4	19
54	A multiproxy lake record from Inner Mongolia displays a late Holocene teleconnection between Central Asian and North Atlantic climates. <i>Quaternary International</i> , 2010, 227, 170-182.	1.5	43

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55	An Arctic Ocean ice shelf during MIS 6 constrained by new geophysical and geological data. <i>Quaternary Science Reviews</i> , 2010, 29, 3505-3517.	3.0	104
56	High-resolution geophysical observations of the Yermak Plateau and northern Svalbard margin: implications for ice-sheet grounding and deep-keeled icebergs. <i>Quaternary Science Reviews</i> , 2010, 29, 3518-3531.	3.0	57
57	Pyritic and baritic burrows and microbial filaments in postglacial lacustrine clays in the northern Baltic Sea. <i>Journal of the Geological Society</i> , 2010, 167, 1185-1198.	2.1	33
58	New evidence for a glacioeustatic influence on deep water circulation, bottom water ventilation and primary productivity in the South China Sea. <i>Dynamics of Atmospheres and Oceans</i> , 2009, 47, 138-153.	1.8	12
59	Bias in foraminiferal multispecies reconstructions of paleohydrographic conditions caused by foraminiferal abundance variations and bioturbational mixing: A model approach. <i>Marine Geology</i> , 2008, 256, 101-106.	2.1	25
60	Arctic Ocean manganese contents and sediment colour cycles. <i>Polar Research</i> , 2008, 27, 105-113.	1.6	60
61	Importance and Usefulness of Trace Fossils and Bioturbation in Paleooceanography. , 2007, , 413-427.		5
62	A Test of the Gardening Hypothesis for the Trace Fossil <i>Zoophycos</i> . , 2007, , .		0
63	On the influence of sea level and monsoon climate on the southern South China Sea freshwater budget over the last 22,000 years. <i>Quaternary Science Reviews</i> , 2006, 25, 1475-1488.	3.0	84
64	Sapropel burn-down and ichnological response to late Quaternary sapropel formation in two ~ 4400 ky records from the eastern Mediterranean Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 239, 406-425.	2.3	34
65	Deformation of pyritized burrows: A novel technique for the detection and estimation of core shortening in gravity cores. <i>Marine Geology</i> , 2006, 233, 37-48.	2.1	7
66	<i>Schaubcylindrichnus formosus</i> sp. nov. in Miocene Sandstones from Northeastern Taiwan. <i>Ichnos</i> , 2006, 13, 267-276.	0.5	19
67	Temporal variations of the trace fossil <i>Zoophycos</i> in a 425 ka long sediment record from the South China Sea: implications for the ethology of the <i>Zoophycos</i> producer. <i>Geological Magazine</i> , 2006, 143, 105-114.	1.5	35
68	A test of different factors influencing the isotopic signal of planktonic foraminifera in surface sediments from the northern South China Sea. <i>Marine Micropaleontology</i> , 2005, 55, 49-62.	1.2	50
69	Mg/Ca ratios of two <i>Globigerinoides ruber</i> (white) morphotypes: Implications for reconstructing past tropical/subtropical surface water conditions. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	106
70	Trace fossils as a paleoceanographic tool: evidence from Late Quaternary sediments of the southwestern Iberian margin. <i>Marine Geology</i> , 2004, 204, 27-41.	2.1	63
71	Large age differences between planktic foraminifers caused by abundance variations and <i>Zoophycos</i> bioturbation. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	32
72	Ocean surface water response to short-term climate changes revealed by coccolithophores from the Gulf of Cadiz (NE Atlantic) and Alboran Sea (W Mediterranean). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 205, 317-336.	2.3	138

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73	Ethology of the Zoophycos-Producer: Arguments against the Gardening Model from 13 org C Evidences of the Spreiten Material. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2004, 15, 713.	0.6	37
74	Ethological implications from a detailed X-ray radiograph and 14C study of the modern deep-sea Zoophycos. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 192, 101-121.	2.3	74
75	Automatic image analysis of X-ray radiographs: a new method for ichnofabric evaluation. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2003, 50, 815-827.	1.4	25
76	Dating errors in high-resolution stratigraphy: a detailed X-ray radiograph and AMS- 14 C study of Zoophycos burrows. <i>Marine Geology</i> , 2001, 177, 191-198.	2.1	56
77	East Asian winter monsoon variation during the last 3000 years as recorded in a subtropical mountain lake, northeastern Taiwan. <i>Holocene</i> , 0, , 095968362110190.	1.7	2
78	Selective colonization after storm events in a delta environment: applied ichnology from the early Miocene of Taiwan. <i>Ichnos</i> , 0, , 1-13.	0.5	1