

# Johan Rydberg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/888470/publications.pdf>

Version: 2024-02-01

30  
papers

1,110  
citations

471509

17  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1795  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon and nitrogen loss rates during aging of lake sediment: Changes over 27 years studied in varved lake sediment. <i>Limnology and Oceanography</i> , 2008, 53, 1076-1082.	3.1	179
2	Lake Sedimentary DNA Research on Past Terrestrial and Aquatic Biodiversity: Overview and Recommendations. <i>Quaternary</i> , 2021, 4, 6.	2.0	121
3	Climate driven release of carbon and mercury from permafrost mires increases mercury loading to sub-arctic lakes. <i>Science of the Total Environment</i> , 2010, 408, 4778-4783.	8.0	109
4	Assessing the Stability of Mercury and Methylmercury in a Varved Lake Sediment Deposit. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4391-4396.	10.0	71
5	Decadal diagenetic effects on $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ studied in varved lake sediment. <i>Limnology and Oceanography</i> , 2009, 54, 917-924.	3.1	68
6	Wavelength dispersive X-ray fluorescence spectroscopy as a fast, non-destructive and cost-effective analytical method for determining the geochemical composition of small loose-powder sediment samples. <i>Journal of Paleolimnology</i> , 2014, 52, 265-276.	1.6	64
7	Is there a chronological record of atmospheric mercury and lead deposition preserved in the mor layer (O-horizon) of boreal forest soils?. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 703-712.	3.9	54
8	An explorative study of mercury export from a thawing palsa mire. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	50
9	Establishing natural sediment reference conditions for metals and the legacy of long-range and local pollution on lakes in Europe. <i>Journal of Paleolimnology</i> , 2011, 45, 519-531.	1.6	47
10	Estimating species colonization dates using <i>scp</i> DNA in lake sediment. <i>Methods in Ecology and Evolution</i> , 2018, 9, 535-543.	5.2	31
11	Importance of vegetation type for mercury sequestration in the northern Swedish mire, RÅdmosamyran. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7116-7126.	3.9	29
12	Evaluating paleoproxies for peat decomposition and their relationship to peat geochemistry. <i>Holocene</i> , 2013, 23, 1666-1671.	1.7	29
13	An assessment of chlorophyll preservation in lake sediments using multiple analytical techniques applied to the annually laminated lake sediments of Nylandssjön. <i>Journal of Paleolimnology</i> , 2020, 64, 379-388.	1.6	27
14	Speciation of iron and sulphur in seasonal layers of varved lake sediment: an XPS study. <i>Surface and Interface Analysis</i> , 2008, 40, 354-357.	1.8	26
15	Mineral dust as a driver of carbon accumulation in northern latitudes. <i>Scientific Reports</i> , 2018, 8, 6876.	3.3	26
16	Compaction of recent varved lake sediments. <i>Gff</i> , 2013, 135, 231-236.	1.2	20
17	Spatial variability of organic matter molecular composition and elemental geochemistry in surface sediments of a small boreal Swedish lake. <i>Biogeosciences</i> , 2017, 14, 1773-1792.	3.3	20
18	Influence of catchment vegetation on mercury accumulation in lake sediments from a long-term perspective. <i>Science of the Total Environment</i> , 2015, 538, 896-904.	8.0	19

#	ARTICLE	IF	CITATIONS
19	The role of iron and sulfur in the visual appearance of lake sediment varves. <i>Journal of Paleolimnology</i> , 2009, 42, 141-153.	1.6	18
20	Paleodust deposition and peat accumulation rates – Bog size matters. <i>Chemical Geology</i> , 2020, 554, 119795.	3.3	16
21	Biogeochemical data from terrestrial and aquatic ecosystems in a periglacial catchment, West Greenland. <i>Earth System Science Data</i> , 2016, 8, 439-459.	9.9	14
22	It's in your glass: a history of sea level and storminess from the Laphroaig bog, Islay (southwestern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.4	13
23	The Importance of Eolian Input on Lake-Sediment Geochemical Composition in the Dry Proglacial Landscape of Western Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2016, 48, 93-109.	1.1	12
24	Late-Holocene climate and vegetation dynamics in eastern Lesotho highlands. <i>Holocene</i> , 2018, 28, 1483-1494.	1.7	12
25	Tracing a bog-iron bloomery furnace in an adjacent lake-sediment record in Ångersjö, central Sweden, using pollen and geochemical signals. <i>Vegetation History and Archaeobotany</i> , 2016, 25, 569-581.	2.1	9
26	Landscape Setting Drives the Microbial Eukaryotic Community Structure in Four Swedish Mountain Lakes over the Holocene. <i>Microorganisms</i> , 2021, 9, 355.	3.6	8
27	Copper-ore mining in Sweden since the pre-Roman Iron Age: lake-sediment evidence of human activities at the Garpenberg ore field since 375 BCE.. <i>Journal of Archaeological Science: Reports</i> , 2017, 12, 99-108.	0.5	6
28	New insights from XRF core scanning data into boreal lake ontogeny during the Eemian (Marine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.7	5
29	Environmental footprint of small-scale, historical mining and metallurgy in the Swedish boreal forest landscape: The Moshyttan blast furnace as microcosm. <i>Holocene</i> , 2019, 29, 578-591.	1.7	4
30	A carbon mass-balance budget for a periglacial catchment in West Greenland – Linking the terrestrial and aquatic systems. <i>Science of the Total Environment</i> , 2020, 711, 134561.	8.0	3