

# Lyudmila A Pestryakova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/166114/publications.pdf>

Version: 2024-02-01

42  
papers

899  
citations

430754

18  
h-index

552653

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sedimentary <sc>DNA</sc> identifies modern and past macrophyte diversity and its environmental drivers in high-latitude and high-elevation lakes in Siberia and China. <i>Limnology and Oceanography</i> , 2022, 67, 1126-1141.	1.6	13
2	Thermohydrological Impact of Forest Disturbances on Ecosystem-Protected Permafrost. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
3	<i>Larix</i> species range dynamics in Siberia since the Last Glacial captured from sedimentary ancient DNA. <i>Communications Biology</i> , 2022, 5, .	2.0	10
4	Climatic and environmental changes in the Yana Highlands of north-eastern Siberia over the last c. 57 000 years, derived from a sediment core from Lake Emanda. <i>Boreas</i> , 2021, 50, 114-133.	1.2	11
5	Hybridization capture of larch ( <i>Larix</i> Mill.) chloroplast genomes from sedimentary ancient DNA reveals past changes of Siberian forest. <i>Molecular Ecology Resources</i> , 2021, 21, 801-815.	2.2	26
6	Variability of the surface energy balance in permafrost-underlain boreal forest. <i>Biogeosciences</i> , 2021, 18, 343-365.	1.3	19
7	Effects of climate change and industrialization on Lake Bolshoe Toko, eastern Siberia. <i>Journal of Paleolimnology</i> , 2021, 65, 335-352.	0.8	16
8	Late Pleistocene to Holocene vegetation and climate changes in northwestern Chukotka (Far East) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	13
9	Vegetation Changes in Southeastern Siberia During the Late Pleistocene and the Holocene. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	15
10	Climate and environmental changes of the Lateglacial transition and Holocene in northeastern Siberia: Evidence from diatom oxygen isotopes and assemblage composition at Lake Emanda. <i>Quaternary Science Reviews</i> , 2021, 259, 106905.	1.4	9
11	Sediment and carbon accumulation in a glacial lake in Chukotka (Arctic Siberia) during the Late Pleistocene and Holocene: combining hydroacoustic profiling and down-core analyses. <i>Biogeosciences</i> , 2021, 18, 4791-4816.	1.3	6
12	Sensitivity of ecosystem-protected permafrost under changing boreal forest structures. <i>Environmental Research Letters</i> , 2021, 16, 084045.	2.2	11
13	Late Quaternary Climate Reconstruction and Lead-Lag Relationships of Biotic and Sediment-Geochemical Indicators at Lake Bolshoe Toko, Siberia. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	8
14	14,000-year Carbon Accumulation Dynamics in a Siberian Lake Reveal Catchment and Lake Productivity Changes. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	3
15	Plant Sedimentary Ancient DNA From Far East Russia Covering the Last 28,000 Years Reveals Different Assembly Rules in Cold and Warm Climates. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	10
16	Holocene Vegetation and Plant Diversity Changes in the North-Eastern Siberian Treeline Region From Pollen and Sedimentary Ancient DNA. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	29
17	Long-lived larch clones may conserve adaptations that could restrict treeline migration in northern Siberia. <i>Ecology and Evolution</i> , 2020, 10, 10017-10030.	0.8	7
18	Geochemical and sedimentological responses of arctic glacial Lake Ilirney, chukotka (far east Russia) to palaeoenvironmental change since 1451.8 ka BP. <i>Quaternary Science Reviews</i> , 2020, 247, 106607.	1.4	27

#	ARTICLE	IF	CITATIONS
19	Phylogenetic diversity and environment form assembly rules for Arctic diatom generaâ€”A study on recent and ancient sedimentary DNA. <i>Journal of Biogeography</i> , 2020, 47, 1166-1179.	1.4	15
20	Lake-depth related pattern of genetic and morphological diatom diversity in boreal Lake Bolshoe Toko, Eastern Siberia. <i>PLoS ONE</i> , 2020, 15, e0230284.	1.1	20
21	Strong shrub expansion in tundra-taiga, tree infilling in taiga and stable tundra in central Chukotka (north-eastern Siberia) between 2000 and 2017. <i>Environmental Research Letters</i> , 2020, 15, 085006.	2.2	28
22	Plant diversity in sedimentary DNA obtained from high-latitude (Siberia) and high-elevation lakes (China). <i>Biodiversity Data Journal</i> , 2020, 8, e57089.	0.4	12
23	Chloroplast and mitochondrial genetic variation of larches at the Siberian tundra-taiga ecotone revealed by de novo assembly. <i>PLoS ONE</i> , 2019, 14, e0216966.	1.1	13
24	Advances in the Derivation of Northeast Siberian Forest Metrics Using High-Resolution UAV-Based Photogrammetric Point Clouds. <i>Remote Sensing</i> , 2019, 11, 1447.	1.8	19
25	Spatial distribution of environmental indicators in surface sediments of Lake Bolshoe Toko, Yakutia, Russia. <i>Biogeosciences</i> , 2019, 16, 4023-4049.	1.3	28
26	Dispersal distances and migration rates at the arctic treeline in Siberia â€” a genetic and simulation-based study. <i>Biogeosciences</i> , 2019, 16, 1211-1224.	1.3	21
27	The sensitivity of diatom taxa from Yakutian lakes (north-eastern Siberia) to electrical conductivity and other environmental variables. <i>Polar Research</i> , 2018, 37, 1485625.	1.6	25
28	Temporal and spatial patterns of mitochondrial haplotype and species distributions in Siberian larches inferred from ancient environmental DNA and modeling. <i>Scientific Reports</i> , 2018, 8, 17436.	1.6	24
29	Late Holocene ice-wedge polygon dynamics in northeastern Siberian coastal lowlands. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	0.4	7
30	Dissimilar responses of larch stands in northern Siberia to increasing temperaturesâ€”a field and simulation based study. <i>Ecology</i> , 2017, 98, 2343-2355.	1.5	34
31	A comparison of sedimentary <scp>DNA</scp> and pollen from lake sediments in recording vegetation composition at the Siberian treeline. <i>Molecular Ecology Resources</i> , 2017, 17, e46-e62.	2.2	64
32	Sedimentary DNA versus morphology in the analysis of diatom-environment relationships. <i>Journal of Paleolimnology</i> , 2017, 57, 51-66.	0.8	27
33	Câ€” â€”N ratio, stable isotope (&lt;i>Î±&lt;sup>13&lt;sup>C&lt;/sup>&lt;/i>) Tj ETQq1 10. &lt;i>Î±&lt;sup>13&lt;sup>C&lt;/sup>&lt;/i>-alkane patterns of brown mosses along hydrological gradients of low-centred polygons of the Siberian Arctic. <i>Biogeosciences</i> , 2017, 14, 1617-1630.	1.3	11
34	Freshwater ostracods (Crustacea) and environmental variability of polygon ponds in the tundra of the Indigirka Lowland, north-east Siberia. <i>Polar Research</i> , 2016, 35, 25225.	1.6	12
35	Vegetation patterns along microâ€”relief and vegetation type transects in polygonal landscapes of the Siberian Arctic. <i>Journal of Vegetation Science</i> , 2016, 27, 377-386.	1.1	18
36	Vegetation, climate and lake changes over the last 7000 years at the boreal treeline in north-central Siberia. <i>Quaternary Science Reviews</i> , 2016, 147, 422-434.	1.4	45

#	ARTICLE	IF	CITATIONS
37	Genetic data from algae sedimentary DNA reflect the influence of environment over geography. <i>Scientific Reports</i> , 2015, 5, 12924.	1.6	30
38	Relative pollen productivity estimates for common taxa of the northern Siberian Arctic. <i>Review of Palaeobotany and Palynology</i> , 2015, 221, 71-82.	0.8	43
39	A combined paleolimnological/genetic analysis of diatoms reveals divergent evolutionary lineages of <i>Staurosira</i> and <i>Staurosirella</i> (Bacillariophyta) in Siberian lake sediments along a latitudinal transect. <i>Journal of Paleolimnology</i> , 2014, 52, 77-93.	0.8	18
40	A pollen-climate transfer function from the tundra and taiga vegetation in Arctic Siberia and its applicability to a Holocene record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 386, 702-713.	1.0	61
41	Siberian larch forests and the ion content of thaw lakes form a geochemically functional entity. <i>Nature Communications</i> , 2013, 4, 2408.	5.8	36
42	Present-day variability and Holocene dynamics of permafrost-affected lakes in central Yakutia (Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.4	39