

# Lutz Schirrmeister

## List of Publications by Citations

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140  
papers

5,626  
citations

43  
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172  
ext. papers

6,661  
ext. citations

3.5  
avg, IF

5.44  
L-index

#	Paper	IF	Citations
140	Estimated stocks of circumpolar permafrost carbon with quantified uncertainty ranges and identified data gaps. <i>Biogeosciences</i> , <b>2014</b> , 11, 6573-6593	4.6	806
139	Paleoenvironmental and paleoclimatic records from permafrost deposits in the Arctic region of Northern Siberia. <i>Quaternary International</i> , <b>2002</b> , 89, 97-118	2	179
138	The periglacial climate and environment in northern Eurasia during the Last Glaciation. <i>Quaternary Science Reviews</i> , <b>2004</b> , 23, 1333-1357	3.9	165
137	The deep permafrost carbon pool of the Yedoma region in Siberia and Alaska. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 6165-6170	4.9	152
136	Sedimentary characteristics and origin of the Late Pleistocene Ice Complex on north-east Siberian Arctic coastal lowlands and islands – A review. <i>Quaternary International</i> , <b>2011</b> , 241, 3-25	2	142
135	Deep Yedoma permafrost: A synthesis of depositional characteristics and carbon vulnerability. <i>Earth-Science Reviews</i> , <b>2017</b> , 172, 75-86	10.2	135
134	Fossil organic matter characteristics in permafrost deposits of the northeast Siberian Arctic. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		121
133	A new data set for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region. <i>Earth System Science Data</i> , <b>2013</b> , 5, 393-402	10.5	111
132	Vegetation and climate history in the Laptev Sea region (Arctic Siberia) during Late Quaternary inferred from pollen records. <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 2182-2199	3.9	104
131	Spatial analyses of thermokarst lakes and basins in Yedoma landscapes of the Lena Delta. <i>Cryosphere</i> , <b>2011</b> , 5, 849-867	5.5	102
130	Palaeobotanical evidence for warm summers in the East Siberian Arctic during the last cold stage. <i>Quaternary Research</i> , <b>2005</b> , 63, 283-300	1.9	102
129	Palaeoenvironmental dynamics inferred from late Quaternary permafrost deposits on Kurungnakh Island, Lena Delta, Northeast Siberia, Russia. <i>Quaternary Science Reviews</i> , <b>2008</b> , 27, 1523-1540	3.9	96
128	Deposition and degradation of a volatile-rich layer in Utopia Planitia and implications for climate history on Mars. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		94
127	PERMAFROST AND PERIGLACIAL FEATURES   Yedoma: Late Pleistocene Ice-Rich Syngenetic Permafrost of Beringia <b>2013</b> , 542-552		93
126	Observation-based modelling of permafrost carbon fluxes with accounting for deep carbon deposits and thermokarst activity. <i>Biogeosciences</i> , <b>2015</b> , 12, 3469-3488	4.6	87
125	Palaeoclimate reconstruction on Big Lyakhovsky Island, north Siberia – Hydrogen and oxygen isotopes in ice wedges. <i>Permafrost and Periglacial Processes</i> , <b>2002</b> , 13, 91-105	4.2	84
124	Geological and geomorphological evolution of a sedimentary periglacial landscape in Northeast Siberia during the Late Quaternary. <i>Geomorphology</i> , <b>2007</b> , 86, 25-51	4.3	81

123	The use of CORONA images in remote sensing of periglacial geomorphology: an illustration from the NE Siberian coast. <i>Permafrost and Periglacial Processes</i> , <b>2005</b> , 16, 163-172	4.2	78
122	Grain-size properties and organic-carbon stock of Yedoma Ice Complex permafrost from the Kolyma lowland, northeastern Siberia. <i>Global Biogeochemical Cycles</i> , <b>2012</b> , 26,	5.9	77
121	Weichselian and Holocene palaeoenvironmental history of the Bol'shoy Lyakhovsky Island, New Siberian Archipelago, Arctic Siberia. <i>Boreas</i> , <b>2009</b> , 38, 72-110	2.4	75
120	Late Quaternary History of the Accumulation Plain North of the Chekanovsky Ridge (Lena Delta, Russia): A Multidisciplinary Approach. <i>Polar Geography</i> , <b>2003</b> , 27, 277-319	2.2	73
119	Evolution of thermokarst in East Siberian ice-rich permafrost: A case study. <i>Geomorphology</i> , <b>2013</b> , 201, 363-379	4.3	72
118	Paleontological records indicate the occurrence of open woodlands in a dry inland climate at the present-day Arctic coast in western Beringia during the Last Interglacial. <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 2134-2159	3.9	72
117	Eemian and Late Glacial/Holocene palaeoenvironmental records from permafrost sequences at the Dmitry Laptev Strait (NE Siberia, Russia). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 279, 73-95	2.9	67
116	Late Quaternary ice-rich permafrost sequences as a paleoenvironmental archive for the Laptev Sea Region in northern Siberia. <i>International Journal of Earth Sciences</i> , <b>2002</b> , 91, 154-167	2.2	66
115	Organic-matter quality of deep permafrost carbon [a study from Arctic Siberia. <i>Biogeosciences</i> , <b>2015</b> , 12, 2227-2245	4.6	62
114	Last Glacial Maximum records in permafrost of the East Siberian Arctic. <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 3139-3151	3.9	62
113	Modern and Late Holocene Retrogressive Thaw Slump Activity on the Yukon Coastal Plain and Herschel Island, Yukon Territory, Canada. <i>Permafrost and Periglacial Processes</i> , <b>2012</b> , 23, 39-51	4.2	61
112	Quantifying Wedge-Ice Volumes in Yedoma and Thermokarst Basin Deposits. <i>Permafrost and Periglacial Processes</i> , <b>2014</b> , 25, 151-161	4.2	59
111	Eastern Beringia and beyond: Late Wisconsinan and Holocene landscape dynamics along the Yukon Coastal Plain, Canada. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 319-320, 28-45	2.9	59
110	Thermokarst in Siberian ice-rich permafrost: Comparison to asymmetric scalloped depressions on Mars. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		58
109	Arctic freshwater ostracods from modern periglacial environments in the Lena River Delta (Siberian Arctic, Russia): geochemical applications for palaeoenvironmental reconstructions. <i>Journal of Paleolimnology</i> , <b>2008</b> , 39, 427-449	2.1	58
108	Permafrost evidence for severe winter cooling during the Younger Dryas in northern Alaska. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	57
107	Late Saalian and Eemian palaeoenvironmental history of the Bol'shoy Lyakhovsky Island (Laptev Sea region, Arctic Siberia). <i>Boreas</i> , <b>2004</b> , 33, 319-348	2.4	57
106	Periglacial landscape evolution and environmental changes of Arctic lowland areas for the last 60 000 years (western Laptev Sea coast, Cape Mamontov Klyk). <i>Polar Research</i> , <b>2008</b> , 27, 249-272	2	56

105	Ice Complex formation in arctic East Siberia during the MIS3 Interstadial. <i>Quaternary Science Reviews</i> , <b>2014</b> , 84, 39-55	3.9	54
104	Ground ice and slope sediments archiving late Quaternary paleoenvironment and paleoclimate signals at the margins of El'gygytgyn Impact Crater, NE Siberia. <i>Quaternary Research</i> , <b>2006</b> , 66, 259-272	1.9	53
103	Lateglacial and Holocene isotopic and environmental history of northern coastal Alaska [Results from a buried ice-wedge system at Barrow. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 3720-3735	3.9	52
102	Origin and characteristics of massive ground ice on Herschel Island (western Canadian Arctic) as revealed by stable water isotope and Hydrochemical signatures. <i>Permafrost and Periglacial Processes</i> , <b>2011</b> , 22, 26-38	4.2	50
101	Methane oxidation following submarine permafrost degradation: Measurements from a central Laptev Sea shelf borehole. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2015</b> , 120, 965-978	3.7	47
100	<sup>230</sup> Th/ <sup>U</sup> Dating of Frozen Peat, Bol'shoy Lyakhovsky Island (Northern Siberia). <i>Quaternary Research</i> , <b>2002</b> , 57, 253-258	1.9	47
99	Polygon pattern geomorphometry on Svalbard (Norway) and western Utopia Planitia (Mars) using high-resolution stereo remote-sensing data. <i>Geomorphology</i> , <b>2011</b> , 134, 197-216	4.3	46
98	Palaeoclimatic information from stable water isotopes of Holocene ice wedges on the Dmitrii Laptev Strait, northeast Siberia, Russia. <i>Permafrost and Periglacial Processes</i> , <b>2011</b> , 22, 84-100	4.2	46
97	Late Quaternary paleoenvironmental records from the western Lena Delta, Arctic Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 299, 175-196	2.9	43
96	Spectral characterization of periglacial surfaces and geomorphological units in the Arctic Lena Delta using field spectrometry and remote sensing. <i>Remote Sensing of Environment</i> , <b>2009</b> , 113, 1220-1235	13.2	42
95	Application of Landsat-7 satellite data and a DEM for the quantification of thermokarst-affected terrain types in the periglacial Lena-Anabar coastal lowland. <i>Polar Research</i> , <b>2006</b> , 25, 51-67	2	42
94	Testate amoebae (Protozoa: Testacealobosea and Testaceafilosea) as bioindicators in the Late Quaternary deposits of the Bykovsky Peninsula, Laptev Sea, Russia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2004</b> , 209, 165-181	2.9	42
93	Continental climate in the East Siberian Arctic during the last interglacial: Implications from palaeobotanical records. <i>Global and Planetary Change</i> , <b>2008</b> , 60, 535-562	4.2	41
92	Improved estimates show large circumpolar stocks of permafrost carbon while quantifying substantial uncertainty ranges and identifying remaining data gaps		41
91	Characterisation of the Permafrost Carbon Pool. <i>Permafrost and Periglacial Processes</i> , <b>2013</b> , 24, 146-155	4.2	39
90	Periglacial sediment variations controlled by late Quaternary climate and lake level change at Elgygytgyn Crater, Arctic Siberia. <i>Boreas</i> , <b>2008</b> , 37, 55-65	2.4	36
89	Freshwater Ostracodes in Quaternary Permafrost Deposits in the Siberian Arctic. <i>Journal of Paleolimnology</i> , <b>2005</b> , 34, 363-376	2.1	36
88	Distribution of late Pleistocene ice-rich syngenetic permafrost of the Yedoma Suite in east and central Siberia, Russia. <i>US Geological Survey Open-File Report</i> ,		36

87	Sedimentary ancient DNA and pollen reveal the composition of plant organic matter in Late Quaternary permafrost sediments of the Buor Khaya Peninsula (north-eastern Siberia). <i>Biogeosciences</i> , <b>2017</b> , 14, 575-596	4.6	33
86	Vegetation history of central Chukotka deduced from permafrost paleoenvironmental records of the El'gygytgyn Impact Crater. <i>Climate of the Past</i> , <b>2012</b> , 8, 1287-1300	3.9	32
85	Differences in behavior and distribution of permafrost-related lakes in Central Yakutia and their response to climatic drivers. <i>Water Resources Research</i> , <b>2017</b> , 53, 1167-1188	5.4	31
84	Late Quaternary environmental and landscape dynamics revealed by a pingo sequence on the northern Seward Peninsula, Alaska. <i>Quaternary Science Reviews</i> , <b>2012</b> , 39, 26-44	3.9	31
83	Palaeoclimate characteristics in interior Siberia of MIS6: first insights from the Batagay permafrost mega-thaw slump in the Yana Highlands. <i>Climate of the Past</i> , <b>2017</b> , 13, 795-818	3.9	29
82	The History of Tree and Shrub Taxa on Bol'shoy Lyakhovsky Island (New Siberian Archipelago) since the Last Interglacial Uncovered by Sedimentary Ancient DNA and Pollen Data. <i>Genes</i> , <b>2017</b> , 8,	4.2	28
81	Habitable periglacial landscapes in martian mid-latitudes. <i>Icarus</i> , <b>2012</b> , 219, 345-357	3.8	28
80	Quartz weathering in freeze-thaw cycles: experiment and application to the el'gygytgyn crater lake record for tracing siberian permafrost history. <i>Geografiska Annaler, Series A: Physical Geography</i> , <b>2012</b> , 94, 481-499	1.1	27
79	Evaporation effects as reflected in freshwaters and ostracod calcite from modern environments in Central and Northeast Yakutia (East Siberia, Russia). <i>Hydrobiologia</i> , <b>2008</b> , 614, 171-195	2.4	27
78	Transient modeling of the ground thermal conditions using satellite data in the Lena River delta, Siberia. <i>Cryosphere</i> , <b>2017</b> , 11, 1441-1463	5.5	26
77	Permafrost Thaw and Liberation of Inorganic Nitrogen in Eastern Siberia. <i>Permafrost and Periglacial Processes</i> , <b>2017</b> , 28, 605-618	4.2	26
76	Coastal dynamics and submarine permafrost in shallow water of the central Laptev Sea, East Siberia. <i>Cryosphere</i> , <b>2016</b> , 10, 1449-1462	5.5	26
75	Ground-ice stable isotopes and cryostratigraphy reflect late Quaternary palaeoclimate in the Northeast Siberian Arctic (Oyogos Yar coast, Dmitry Laptev Strait). <i>Climate of the Past</i> , <b>2017</b> , 13, 587-611	3.9	25
74	Ice Complex permafrost of MIS5 age in the Dmitry Laptev Strait coastal region (East Siberian Arctic). <i>Quaternary Science Reviews</i> , <b>2016</b> , 147, 298-311	3.9	25
73	Coastal permafrost landscape development since the Late Pleistocene in the western Laptev Sea, Siberia. <i>Boreas</i> , <b>2011</b> , 40, 697-713	2.4	23
72	Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea). <i>Biogeosciences</i> , <b>2017</b> , 14, 1261-1283	4.883	22
71	Past climate and continentality inferred from ice wedges at Batagay megaslump in the Northern Hemisphere's most continental region, Yana Highlands, interior Yakutia. <i>Climate of the Past</i> , <b>2019</b> , 15, 1443-1461	3.9	21
70	Late Quaternary paleoenvironmental records from the Chatanika River valley near Fairbanks (Alaska). <i>Quaternary Science Reviews</i> , <b>2016</b> , 147, 259-278	3.9	21

69	Diatoms of modern bottom sediments in Siberian arctic. <i>Contemporary Problems of Ecology</i> , <b>2012</b> , 5, 413-422	0.8	21
68	Dating of syngenetic ice wedges in permafrost with $^{36}\text{Cl}$ . <i>Quaternary Science Reviews</i> , <b>2007</b> , 26, 1547-1556	3.9	20
67	Holocene thermokarst and pingo development in the Kolyma Lowland (NE Siberia). <i>Permafrost and Periglacial Processes</i> , <b>2018</b> , 29, 182-198	4.2	18
66	Testate amoebae and environmental features of polygon tundra in the Indigirka lowland (East Siberia). <i>Polar Biology</i> , <b>2013</b> , 36, 857-870	2	18
65	Periglacial landscape dynamics in the western Canadian Arctic: Results from a thermokarst lake record on a push moraine (Herschel Island, Yukon Territory). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2013</b> , 381-382, 15-25	2.9	17
64	Depositional dynamics in the El'gygytgyn Crater margin: implications for the 3.6 Ma old sediment archive. <i>Climate of the Past</i> , <b>2012</b> , 8, 1897-1911	3.9	17
63	Testate amoebae record from the Laptev Sea coast and its implication for the reconstruction of Late Pleistocene and Holocene environments in the Arctic Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 271, 301-315	2.9	17
62	ESR of trapped holes and electrons in natural and synthetic carbonates, silicates and aluminosilicates. <i>Applied Radiation and Isotopes</i> , <b>1996</b> , 47, 1489-1496	1.7	17
61	Ratio of $^{36}\text{Cl}/\text{Cl}$ in ground ice of east Siberia and its application for chronometry. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2009</b> , 10, n/a-n/a	3.6	16
60	Microbial lipid signatures and substrate potential of organic matter in permafrost deposits: Implications for future greenhouse gas production. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 2652-2666	3.7	16
59	The genesis of Yedoma Ice Complex permafrost [A] grain-size endmember modeling analysis from Siberia and Alaska. <i>E&amp;G Quaternary Science Journal</i> , <b>2020</b> , 69, 33-53	1.9	15
58	Substrate potential of last interglacial to Holocene permafrost organic matter for future microbial greenhouse gas production. <i>Biogeosciences</i> , <b>2018</b> , 15, 1969-1985	4.6	13
57	Ice Complex formation on Bol'shoy Lyakhovsky Island (New Siberian Archipelago, East Siberian Arctic) since about 200 ka. <i>Quaternary Research</i> , <b>2019</b> , 92, 530-548	1.9	13
56	The mystery of Bunge Land (New Siberian Archipelago): implications for its formation based on palaeoenvironmental records, geomorphology, and remote sensing. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 3598-3614	3.9	13
55	Late glacial and Holocene sedimentation, vegetation, and climate history from easternmost Beringia (northern Yukon Territory, Canada). <i>Quaternary Research</i> , <b>2012</b> , 78, 549-560	1.9	12
54	Spatial analyses of thermokarst lakes and basins in Yedoma landscapes of the Lena Delta		12
53	Holocene thermokarst dynamics in Central Yakutia [A] multi-core and robust grain-size endmember modeling approach. <i>Quaternary Science Reviews</i> , <b>2019</b> , 218, 10-33	3.9	11
52	River flooding as a driver of polygon dynamics: modern vegetation data and a millennial peat record from the Anabar River lowlands (Arctic Siberia). <i>Biogeosciences</i> , <b>2013</b> , 10, 5703-5728	4.6	11

51	Internal characteristics of ice-marginal sediments deduced from georadar profiling and sediment properties (Brøgger Peninsula, Svalbard). <i>Geomorphology</i> , <b>2008</b> , 95, 74-83	4.3	11
50	3D ground-penetrating radar imaging of ice complex deposits in northern East Siberia. <i>Geophysics</i> , <b>2016</b> , 81, WA195-WA202	3.1	10
49	Application of Landsat-7 satellite data and a DEM for the quantification of thermokarst-affected terrain types in the periglacial Lena-Anabar coastal lowland. <i>Polar Research</i> , <b>2006</b> , 25, 51-67	2	10
48	The weathering of basaltic rocks in Burundi and Vietnam. <i>Catena</i> , <b>1994</b> , 21, 243-256	5.8	10
47	Freshwater ostracods (Crustacea) and environmental variability of polygon ponds in the tundra of the Indigirka Lowland, north-east Siberia. <i>Polar Research</i> , <b>2016</b> , 35, 25225	2	10
46	Thermo-erosional valleys in Siberian ice-rich permafrost. <i>Permafrost and Periglacial Processes</i> , <b>2021</b> , 32, 59-75	4.2	10
45	Sediment characteristics of a thermokarst lagoon in the northeastern Siberian Arctic (Ivashkina Lagoon, Bykovsky Peninsula). <i>Arktos</i> , <b>2018</b> , 4, 1	0.9	10
44	Diatom records and tephra mineralogy in pingo deposits of Seward Peninsula, Alaska. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2017</b> , 479, 1-15	2.9	9
43	Testate amoebae in late quaternary sediments of the Cape Mamontov Klyk (Yakutia). <i>Biology Bulletin</i> , <b>2009</b> , 36, 363-372	0.5	9
42	Glycerol dialkyl glycerol tetraethers (GDGTs) in high latitude Siberian permafrost: Diversity, environmental controls, and implications for proxy applications. <i>Organic Geochemistry</i> , <b>2019</b> , 136, 103888	3.1	8
41	Modern and fossil diatom assemblages from Bolshoy Lyakhovsky Island (New Siberian Archipelago, Arctic Siberia). <i>Contemporary Problems of Ecology</i> , <b>2017</b> , 10, 380-394	0.8	8
40	Geochemical signatures of pingo ice and its origin in Grøhdalen, west Spitsbergen. <i>Cryosphere</i> , <b>2019</b> , 13, 3155-3169	5.5	8
39	Organic carbon characteristics in ice-rich permafrost in alas and Yedoma deposits, central Yakutia, Siberia. <i>Biogeosciences</i> , <b>2020</b> , 17, 3797-3814	4.6	7
38	Thermokarst Lake to Lagoon Transitions in Eastern Siberia: Do Submerged Taliks Refreeze?. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2020</b> , 125, e2019JF005424	3.8	7
37	Testaceans (Protozoa: Testacea) in Quaternary Permafrost Sediments of Bykovsky Peninsula, Arctic Yakutia. <i>Biology Bulletin</i> , <b>2003</b> , 30, 191-206	0.5	6
36	Organic matter quality of deep permafrost carbon — study from Arctic Siberia		6
35	Observation-based modelling of permafrost carbon fluxes with accounting for deep carbon deposits and thermokarst activity		6
34	The cryostratigraphy of the Yedoma cliff of Sobo-Sise Island (Lena delta) reveals permafrost dynamics in the central Laptev Sea coastal region during the last 52 kyr. <i>Cryosphere</i> , <b>2020</b> , 14, 4525-4551	5.5	6

33	Late Holocene ice-wedge polygon dynamics in northeastern Siberian coastal lowlands. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2018</b> , 50, e1462595	1.8	6
32	Geocryological and Hydrogeological Conditions of the Western Part of Nordenskiöld Land (Spitsbergen Archipelago). <i>Izvestiya - Atmospheric and Oceanic Physics</i> , <b>2020</b> , 56, 1376-1400	1	5
31	<del>1000-</del> <del>1000-</del> Zoologicheskii Zhurnal, <b>2019</b> , 98, 1268-1290	1.5	5
30	Coastal dynamics and submarine permafrost in shallow water of the central Laptev Sea, East Siberia		5
29	n-Alkane Characteristics of Thawed Permafrost Deposits Below a Thermokarst Lake on Bykovsky Peninsula, Northeastern Siberia. <i>Frontiers in Environmental Science</i> , <b>2020</b> , 8,	4.8	5
28	Northeast Siberian Permafrost Ice-Wedge Stable Isotopes Depict Pronounced Last Glacial Maximum Winter Cooling. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092087	4.9	5
27	Late Saalian and Eemian palaeoenvironmental history of the Bol'shoy Lyakhovsky Island (Laptev Sea region, Arctic Siberia). <i>Boreas</i> , <b>2008</b> , 33, 319-348	2.4	4
26	Permafrost thaw and release of inorganic nitrogen from polygonal tundra soils in eastern Siberia		4
25	Vegetation history of Central Chukotka deduced from permafrost paleoenvironmental records of the El'gygytyn Impact Crater		4
24	Short communication: a new dataset for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region		4
23	Microbial community composition and abundance after millennia of submarine permafrost warming. <i>Biogeosciences</i> , <b>2019</b> , 16, 3941-3958	4.6	4
22	Greenhouse gas production in degrading ice-rich permafrost deposits in northeastern Siberia. <i>Biogeosciences</i> , <b>2018</b> , 15, 5423-5436	4.6	4
21	Past freeze and thaw cycling in the margin of the El'gygytyn crater deduced from a 141 m long permafrost record. <i>Climate of the Past</i> , <b>2014</b> , 10, 1109-1123	3.9	3
20	Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea)		3
19	Onset of intense permafrost conditions in Northern Eurasia at ~2.55 Ma seen in a cryogenic weathering record from Lake El'gygytyn		3
18	Circum-Arctic Map of the Yedoma Permafrost Domain. <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	3
17	Paleo-Ecology of the Yedoma Ice Complex on Sobo-Sise Island (EasternLena Delta, Siberian Arctic). <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	3
16	Onshore Thermokarst Primes Subsea Permafrost Degradation. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093881	4.9	3



15	Thermokarst Lagoons: A Core-Based Assessment of Depositional Characteristics and an Estimate of Carbon Pools on the Bykovsky Peninsula. <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	3
14	River flooding as a driver of polygon dynamics: modern vegetation data and a millennial peat record from the Anabar River lowlands (Arctic Siberia)		2
13	Ground-ice stable isotopes and cryostratigraphy reflect late Quaternary palaeoclimate in the Northeast Siberian Arctic (Oyogos Yar coast, Dmitry Laptev Strait)		2
12	Middle and Late Pleistocene climate and continentality inferred from ice wedges at Batagay megaslump in the Northern Hemisphere's most continental region, Yana Highlands, interior Yakutia		2
11	Alluvial fan dynamics in the El'gygytyn Crater: implications for the 3.6 Ma old sediment archive		2
10	Iron Redistribution Upon Thermokarst Processes in the Yedoma Domain. <i>Frontiers in Earth Science</i> , <b>2021</b> , 9,	3.5	2
9	Past freeze and thaw cycling in the margin of the El'gygytyn Crater deduced from a 141 m long permafrost record		1
8	Late Quaternary sedimentation dynamics in the Beenchime-Salaatinsky Crater, Northern Yakutia. <i>Arktos</i> , <b>2020</b> , 6, 75-92	0.9	1
7	A robust vegetation-based elevation transfer method for reconstructing Arctic polygon mire palaeo-microtopography. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2019</b> , 522, 12-27	2.9	1
6	Pingo drilling reveals sodium chloride-dominated massive ice in Grøfdalen, Spitsbergen. <i>Permafrost and Periglacial Processes</i> , <b>2021</b> , 32, 572	4.2	1
5	Mineral Element Stocks in the Yedoma Domain: A Novel Method Applied to Ice-Rich Permafrost Regions. <i>Frontiers in Earth Science</i> , 9,	3.5	1
4	Organic matter characteristics of a rapidly eroding permafrost cliff in NE Siberia (Lena Delta, Laptev Sea region). <i>Biogeosciences</i> , <b>2022</b> , 19, 2079-2094	4.6	0
3	Application of Landsat-7 satellite data and a DEM for the quantification of thermokarst-affected terrain types in the periglacial Lena-Anabar coastal lowland. <i>Polar Research</i> , <b>2005</b> , 25, 51-67	2	
2	Bacterial Communities of Frozen Quaternary Sediments of Marine Origin on the Coast of Western Spitsbergen. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , <b>2021</b> , 57, 895-917	1	
1	Archaeal Communities of Frozen Quaternary Sediments of Marine Origin on the Coast of Western Spitsbergen. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , <b>2021</b> , 57, 1254-1270	1	