

Lutz Schirrmeister

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

5,626
citations

43
h-index

71
g-index


172
ext. papers

6,661
ext. citations

3.5
avg, IF

5.44
L-index

#	Paper	IF	Citations
140	Organic matter characteristics of a rapidly eroding permafrost cliff in NE Siberia (Lena Delta, Laptev Sea region). <i>Biogeosciences</i> , 2022 , 19, 2079-2094	4.6	0
139	Circum-Arctic Map of the Yedoma Permafrost Domain. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	3
138	Northeast Siberian Permafrost Ice-Wedge Stable Isotopes Depict Pronounced Last Glacial Maximum Winter Cooling. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092087	4.9	5
137	Paleo-Ecology of the Yedoma Ice Complex on Sobo-Sise Island (Eastern Lena Delta, Siberian Arctic). <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	3
136	Onshore Thermokarst Primes Subsea Permafrost Degradation. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093881	4.9	3
135	Iron Redistribution Upon Thermokarst Processes in the Yedoma Domain. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	2
134	Thermo-erosional valleys in Siberian ice-rich permafrost. <i>Permafrost and Periglacial Processes</i> , 2021 , 32, 59-75	4.2	10
133	Pingo drilling reveals sodium chloride-dominated massive ice in Grøhdalen, Spitsbergen. <i>Permafrost and Periglacial Processes</i> , 2021 , 32, 572	4.2	1
132	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> , 2021 , 9,	3.5	3
131	Bacterial Communities of Frozen Quaternary Sediments of Marine Origin on the Coast of Western Spitsbergen. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2021 , 57, 895-917	1	
130	Archaeal Communities of Frozen Quaternary Sediments of Marine Origin on the Coast of Western Spitsbergen. <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2021 , 57, 1254-1270	1	
129	Geocryological and Hydrogeological Conditions of the Western Part of Nordenskiöld Land (Spitsbergen Archipelago). <i>Izvestiya - Atmospheric and Oceanic Physics</i> , 2020 , 56, 1376-1400	1	5
128	Organic carbon characteristics in ice-rich permafrost in alas and Yedoma deposits, central Yakutia, Siberia. <i>Biogeosciences</i> , 2020 , 17, 3797-3814	4.6	7
127	The genesis of Yedoma Ice Complex permafrost [grain-size endmember modeling analysis from Siberia and Alaska. <i>E&G Quaternary Science Journal</i> , 2020 , 69, 33-53	1.9	15
126	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> , 2020 , 14, 4525-4551	5.5	6
125	Thermokarst Lake to Lagoon Transitions in Eastern Siberia: Do Submerged Taliks Refreeze?. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020 , 125, e2019JF005424	3.8	7
124	n-Alkane Characteristics of Thawed Permafrost Deposits Below a Thermokarst Lake on Bykovsky Peninsula, Northeastern Siberia. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	5

123	Late Quaternary sedimentation dynamics in the Beenchime-Salaatinsky Crater, Northern Yakutia. <i>Arktos</i> , 2020 , 6, 75-92	0.9	1
122	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> , 2019 , 15, 1443-1461	3.9	21
121	Holocene thermokarst dynamics in Central Yakutia [A multi-core and robust grain-size endmember modeling approach. <i>Quaternary Science Reviews</i> , 2019 , 218, 10-33	3.9	11
120	Ice Complex formation on Bol'shoy Lyakhovsky Island (New Siberian Archipelago, East Siberian Arctic) since about 200 ka. <i>Quaternary Research</i> , 2019 , 92, 530-548	1.9	13
119	Glycerol dialkyl glycerol tetraethers (GDGTs) in high latitude Siberian permafrost: Diversity, environmental controls, and implications for proxy applications. <i>Organic Geochemistry</i> , 2019 , 136, 103888	3.1	8
118	  Zoologicheskii Zhurnal, 2019 , 98, 1268-1290	1.5	5
117	Geochemical signatures of pingo ice and its origin in Grøhdalen, west Spitsbergen. <i>Cryosphere</i> , 2019 , 13, 3155-3169	5.5	8
116	Microbial community composition and abundance after millennia of submarine permafrost warming. <i>Biogeosciences</i> , 2019 , 16, 3941-3958	4.6	4
115	A robust vegetation-based elevation transfer method for reconstructing Arctic polygon mire palaeo-microtopography. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019 , 522, 12-27	2.9	1
114	Substrate potential of last interglacial to Holocene permafrost organic matter for future microbial greenhouse gas production. <i>Biogeosciences</i> , 2018 , 15, 1969-1985	4.6	13
113	Holocene thermokarst and pingo development in the Kolyma Lowland (NE Siberia). <i>Permafrost and Periglacial Processes</i> , 2018 , 29, 182-198	4.2	18
112	Late Holocene ice-wedge polygon dynamics in northeastern Siberian coastal lowlands. <i>Arctic, Antarctic, and Alpine Research</i> , 2018 , 50, e1462595	1.8	6
111	Greenhouse gas production in degrading ice-rich permafrost deposits in northeastern Siberia. <i>Biogeosciences</i> , 2018 , 15, 5423-5436	4.6	4
110	Sediment characteristics of a thermokarst lagoon in the northeastern Siberian Arctic (Ivashkina Lagoon, Bykovsky Peninsula). <i>Arktos</i> , 2018 , 4, 1	0.9	10
109	Differences in behavior and distribution of permafrost-related lakes in Central Yakutia and their response to climatic drivers. <i>Water Resources Research</i> , 2017 , 53, 1167-1188	5.4	31
108	Diatom records and tephra mineralogy in pingo deposits of Seward Peninsula, Alaska. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017 , 479, 1-15	2.9	9
107	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> , 2017 , 14, 575-596	4.6	33
106	Transient modeling of the ground thermal conditions using satellite data in the Lena River delta, Siberia. <i>Cryosphere</i> , 2017 , 11, 1441-1463	5.5	26

105	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> , 2017 , 13, 795-818	3.9	29
104	Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea). <i>Biogeosciences</i> , 2017 , 14, 1261-1283	4.8	22
103	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> , 2017 , 13, 587-613	3.9	25
102	Deep Yedoma permafrost: A synthesis of depositional characteristics and carbon vulnerability. <i>Earth-Science Reviews</i> , 2017 , 172, 75-86	10.2	135
101	Permafrost Thaw and Liberation of Inorganic Nitrogen in Eastern Siberia. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 605-618	4.2	26
100	Modern and fossil diatom assemblages from Bol'shoy Lyakhovsky Island (New Siberian Archipelago, Arctic Siberia). <i>Contemporary Problems of Ecology</i> , 2017 , 10, 380-394	0.8	8
99	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> , 2017 , 8,	4.2	28
98	Late Quaternary paleoenvironmental records from the Chatanika River valley near Fairbanks (Alaska). <i>Quaternary Science Reviews</i> , 2016 , 147, 259-278	3.9	21
97	3D ground-penetrating radar imaging of ice complex deposits in northern East Siberia. <i>Geophysics</i> , 2016 , 81, WA195-WA202	3.1	10
96	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	2	10
95	Coastal dynamics and submarine permafrost in shallow water of the central Laptev Sea, East Siberia. <i>Cryosphere</i> , 2016 , 10, 1449-1462	5.5	26
94	Ice Complex permafrost of MIS5 age in the Dmitry Laptev Strait coastal region (East Siberian Arctic). <i>Quaternary Science Reviews</i> , 2016 , 147, 298-311	3.9	25
93	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> , 2016 , 121, 2652-2666	3.7	16
92	Methane oxidation following submarine permafrost degradation: Measurements from a central Laptev Sea shelf borehole. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 965-978	3.7	47
91	Observation-based modelling of permafrost carbon fluxes with accounting for deep carbon deposits and thermokarst activity. <i>Biogeosciences</i> , 2015 , 12, 3469-3488	4.6	87
90	Organic-matter quality of deep permafrost carbon in a study from Arctic Siberia. <i>Biogeosciences</i> , 2015 , 12, 2227-2245	4.6	62
89	Ice Complex formation in arctic East Siberia during the MIS3 Interstadial. <i>Quaternary Science Reviews</i> , 2014 , 84, 39-55	3.9	54
88	Quantifying Wedge-Ice Volumes in Yedoma and Thermokarst Basin Deposits. <i>Permafrost and Periglacial Processes</i> , 2014 , 25, 151-161	4.2	59

87	Estimated stocks of circumpolar permafrost carbon with quantified uncertainty ranges and identified data gaps. <i>Biogeosciences</i> , 2014 , 11, 6573-6593	4.6	806
86	Past freeze and thaw cycling in the margin of the El'gygytgyn crater deduced from a 141 m long permafrost record. <i>Climate of the Past</i> , 2014 , 10, 1109-1123	3.9	3
85	Evolution of thermokarst in East Siberian ice-rich permafrost: A case study. <i>Geomorphology</i> , 2013 , 201, 363-379	4.3	72
84	Characterisation of the Permafrost Carbon Pool. <i>Permafrost and Periglacial Processes</i> , 2013 , 24, 146-155	4.2	39
83	The deep permafrost carbon pool of the Yedoma region in Siberia and Alaska. <i>Geophysical Research Letters</i> , 2013 , 40, 6165-6170	4.9	152
82	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> , 2013 , 381-382, 15-25	2.9	17
81	Testate amoebae and environmental features of polygon tundra in the Indigirka lowland (East Siberia). <i>Polar Biology</i> , 2013 , 36, 857-870	2	18
80	PERMAFROST AND PERIGLACIAL FEATURES Yedoma: Late Pleistocene Ice-Rich Syngenetic Permafrost of Beringia 2013 , 542-552		93
79	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> , 2013 , 10, 5703-5728	4.6	11
78	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> , 2013 , 5, 393-402	10.5	111
77	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> , 2012 , 94, 481-499	1.1	27
76	Grain-size properties and organic-carbon stock of Yedoma Ice Complex permafrost from the Kolyma lowland, northeastern Siberia. <i>Global Biogeochemical Cycles</i> , 2012 , 26,	5.9	77
75	Diatoms of modern bottom sediments in Siberian arctic. <i>Contemporary Problems of Ecology</i> , 2012 , 5, 413-422	0.8	21
74	Late Quaternary environmental and landscape dynamics revealed by a pingo sequence on the northern Seward Peninsula, Alaska. <i>Quaternary Science Reviews</i> , 2012 , 39, 26-44	3.9	31
73	Eastern Beringia and beyond: Late Wisconsinan and Holocene landscape dynamics along the Yukon Coastal Plain, Canada. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012 , 319-320, 28-45	2.9	59
72	Late glacial and Holocene sedimentation, vegetation, and climate history from easternmost Beringia (northern Yukon Territory, Canada). <i>Quaternary Research</i> , 2012 , 78, 549-560	1.9	12
71	Vegetation history of central Chukotka deduced from permafrost paleoenvironmental records of the El'gygytgyn Impact Crater. <i>Climate of the Past</i> , 2012 , 8, 1287-1300	3.9	32
70	Depositional dynamics in the El'gygytgyn Crater margin: implications for the 3.6 Ma old sediment archive. <i>Climate of the Past</i> , 2012 , 8, 1897-1911	3.9	17

69	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> , 2012 , 23, 39-51	4.2	61
68	Habitable periglacial landscapes in martian mid-latitudes. <i>Icarus</i> , 2012 , 219, 345-357	3.8	28
67	Polygon pattern geomorphometry on Svalbard (Norway) and western Utopia Planitia (Mars) using high-resolution stereo remote-sensing data. <i>Geomorphology</i> , 2011 , 134, 197-216	4.3	46
66	Late Quaternary paleoenvironmental records from the western Lena Delta, Arctic Siberia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 299, 175-196	2.9	43
65	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> , 2011 , 241, 3-25	2	142
64	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> , 2011 , 30, 2134-2159	3.9	72
63	Vegetation and climate history in the Laptev Sea region (Arctic Siberia) during Late Quaternary inferred from pollen records. <i>Quaternary Science Reviews</i> , 2011 , 30, 2182-2199	3.9	104
62	Last Glacial Maximum records in permafrost of the East Siberian Arctic. <i>Quaternary Science Reviews</i> , 2011 , 30, 3139-3151	3.9	62
61	Fossil organic matter characteristics in permafrost deposits of the northeast Siberian Arctic. <i>Journal of Geophysical Research</i> , 2011 , 116,		121
60	Coastal permafrost landscape development since the Late Pleistocene in the western Laptev Sea, Siberia. <i>Boreas</i> , 2011 , 40, 697-713	2.4	23
59	Palaeoclimatic information from stable water isotopes of Holocene ice wedges on the Dmitrii Laptev Strait, northeast Siberia, Russia. <i>Permafrost and Periglacial Processes</i> , 2011 , 22, 84-100	4.2	46
58	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> , 2011 , 22, 26-38	4.2	50
57	Spatial analyses of thermokarst lakes and basins in Yedoma landscapes of the Lena Delta. <i>Cryosphere</i> , 2011 , 5, 849-867	5.5	102
56	Permafrost evidence for severe winter cooling during the Younger Dryas in northern Alaska. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	57
55	Thermokarst in Siberian ice-rich permafrost: Comparison to asymmetric scalloped depressions on Mars. <i>Journal of Geophysical Research</i> , 2010 , 115,		58
54	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> , 2010 , 29, 3598-3614	3.9	13
53	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> , 2010 , 29, 3720-3735	3.9	52
52	Weichselian and Holocene palaeoenvironmental history of the Bol'shoy Lyakhovsky Island, New Siberian Archipelago, Arctic Siberia. <i>Boreas</i> , 2009 , 38, 72-110	2.4	75

51	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> , 2009 , 113, 1220-1235	13.2	42
50	Testate amoebae in late quaternary sediments of the Cape Mamontov Klyk (Yakutia). <i>Biology Bulletin</i> , 2009 , 36, 363-372	0.5	9
49	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> , 2009 , 271, 301-315	2.9	17
48	Eemian and Late Glacial/Holocene palaeoenvironmental records from permafrost sequences at the Dmitry Laptev Strait (NE Siberia, Russia). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009 , 279, 73-95	2.9	67
47	Ratio of $^{36}\text{Cl}/\text{Cl}$ in ground ice of east Siberia and its application for chronometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2009 , 10, n/a-n/a	3.6	16
46	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> , 2008 , 27, 249-272	2	56
45	Late Saalian and Eemian palaeoenvironmental history of the Bol'shoi Lyakhovskiy Island (Laptev Sea region, Arctic Siberia). <i>Boreas</i> , 2008 , 33, 319-348	2.4	4
44	Periglacial sediment variations controlled by late Quaternary climate and lake level change at Elgygytgyn Crater, Arctic Siberia. <i>Boreas</i> , 2008 , 37, 55-65	2.4	36
43	Palaeoenvironmental dynamics inferred from late Quaternary permafrost deposits on Kurungnakh Island, Lena Delta, Northeast Siberia, Russia. <i>Quaternary Science Reviews</i> , 2008 , 27, 1523-1540	3.9	96
42	Internal characteristics of ice-marginal sediments deduced from georadar profiling and sediment properties (Brøgger Peninsula, Svalbard). <i>Geomorphology</i> , 2008 , 95, 74-83	4.3	11
41	Continental climate in the East Siberian Arctic during the last interglacial: Implications from palaeobotanical records. <i>Global and Planetary Change</i> , 2008 , 60, 535-562	4.2	41
40	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> , 2008 , 39, 427-449	2.1	58
39	Evaporation effects as reflected in freshwaters and ostracod calcite from modern environments in Central and Northeast Yakutia (East Siberia, Russia). <i>Hydrobiologia</i> , 2008 , 614, 171-195	2.4	27
38	Deposition and degradation of a volatile-rich layer in Utopia Planitia and implications for climate history on Mars. <i>Journal of Geophysical Research</i> , 2007 , 112,		94
37	Dating of syngenetic ice wedges in permafrost with ^{36}Cl . <i>Quaternary Science Reviews</i> , 2007 , 26, 1547-1556	3.9	20
36	Geological and geomorphological evolution of a sedimentary periglacial landscape in Northeast Siberia during the Late Quaternary. <i>Geomorphology</i> , 2007 , 86, 25-51	4.3	81
35	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> , 2006 , 66, 259-272	1.9	53
34	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> , 2006 , 25, 51-67	2	10

33	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> , 2006 , 25, 51-67	2	42
32	The use of CORONA images in remote sensing of periglacial geomorphology: an illustration from the NE Siberian coast. <i>Permafrost and Periglacial Processes</i> , 2005 , 16, 163-172	4.2	78
31	Palaeobotanical evidence for warm summers in the East Siberian Arctic during the last cold stage. <i>Quaternary Research</i> , 2005 , 63, 283-300	1.9	102
30	Freshwater Ostracodes in Quaternary Permafrost Deposits in the Siberian Arctic. <i>Journal of Paleolimnology</i> , 2005 , 34, 363-376	2.1	36
29	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> , 2005 , 25, 51-67	2	
28	Late Saalian and Eemian palaeoenvironmental history of the Bol'shoy Lyakhovsky Island (Laptev Sea region, Arctic Siberia). <i>Boreas</i> , 2004 , 33, 319-348	2.4	57
27	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> , 2004 , 209, 165-181	2.9	42
26	The periglacial climate and environment in northern Eurasia during the Last Glaciation. <i>Quaternary Science Reviews</i> , 2004 , 23, 1333-1357	3.9	165
25	Testaceans (Protozoa: Testacea) in Quaternary Permafrost Sediments of Bykovsky Peninsula, Arctic Yakutia. <i>Biology Bulletin</i> , 2003 , 30, 191-206	0.5	6
24	Late Quaternary History of the Accumulation Plain North of the Chekanovsky Ridge (Lena Delta, Russia): A Multidisciplinary Approach. <i>Polar Geography</i> , 2003 , 27, 277-319	2.2	73
23	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> , 2002 , 91, 154-167	2.2	66
22	²³⁰ Th/ ^U Dating of Frozen Peat, Bol'shoy Lyakhovsky Island (Northern Siberia). <i>Quaternary Research</i> , 2002 , 57, 253-258	1.9	47
21	Palaeoclimate reconstruction on Big Lyakhovsky Island, north Siberia—hydrogen and oxygen isotopes in ice wedges. <i>Permafrost and Periglacial Processes</i> , 2002 , 13, 91-105	4.2	84
20	Paleoenvironmental and paleoclimatic records from permafrost deposits in the Arctic region of Northern Siberia. <i>Quaternary International</i> , 2002 , 89, 97-118	2	179
19	ESR of trapped holes and electrons in natural and synthetic carbonates, silicates and aluminosilicates. <i>Applied Radiation and Isotopes</i> , 1996 , 47, 1489-1496	1.7	17
18	The weathering of basaltic rocks in Burundi and Vietnam. <i>Catena</i> , 1994 , 21, 243-256	5.8	10
17	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
16	Permafrost thaw and release of inorganic nitrogen from polygonal tundra soils in eastern Siberia		4

15	Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea)	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	Organic matter quality of deep permafrost carbon in a study from Arctic Siberia	6
12	Observation-based modelling of permafrost carbon fluxes with accounting for deep carbon deposits and thermokarst activity	6
11	Improved estimates show large circumpolar stocks of permafrost carbon while quantifying substantial uncertainty ranges and identifying remaining data gaps	41
10	Ground-ice stable isotopes and cryostratigraphy reflect late Quaternary palaeoclimate in the Northeast Siberian Arctic (Oyogos Yar coast, Dmitry Laptev Strait)	2
9	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
8	Vegetation history of Central Chukotka deduced from permafrost paleoenvironmental records of the El'gygytyn Impact Crater	4
7	Alluvial fan dynamics in the El'gygytyn Crater: implications for the 3.6 Ma old sediment archive	2
6	Onset of intense permafrost conditions in Northern Eurasia at ~2.55 Ma seen in a cryogenic weathering record from Lake El'gygytyn	3
5	Short communication: a new dataset for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region	4
4	Spatial analyses of thermokarst lakes and basins in Yedoma landscapes of the Lena Delta	12
3	Coastal dynamics and submarine permafrost in shallow water of the central Laptev Sea, East Siberia	5
2	Past freeze and thaw cycling in the margin of the El'gygytyn Crater deduced from a 141 m long permafrost record	1
1	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