Guido Grosse

List of Publications by Year
in descending order

167 papers	15,721 citations	28274 55 h-index	19749 117 g-index
230 all docs	230 docs citations	230 times ranked	9633 citing authors

#	Article	IF	Citations
1	Remote sensing annual dynamics of rapid permafrost thaw disturbances with LandTrendr. Remote Sensing of Environment, 2022, 268, 112752.	11.0	47
2	Degrading permafrost river catchments and their impact on Arctic Ocean nearshore processes. Ambio, 2022, 51, 439-455.	5.5	27
3	Lake and drained lake basin systems in lowland permafrost regions. Nature Reviews Earth & Environment, 2022, 3, 85-98.	29.7	41
4	Origin and Pathways of Dissolved Organic Carbon in a Small Catchment in the Lena River Delta. Frontiers in Earth Science, 2022, 9, .	1.8	2
5	Heavy and Light Mineral Association of Late Quaternary Permafrost Deposits in Northeastern Siberia. Frontiers in Earth Science, 2022, 10, .	1.8	5
6	Organic matter characteristics of a rapidly eroding permafrost cliff in NE Siberia (Lena Delta, Laptev) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	3
7	Expanding beaver pond distribution in Arctic Alaska, 1949 to 2019. Scientific Reports, 2022, 12, 7123.	3.3	8
8	High-resolution bathymetry models for the Lena Delta and Kolyma Gulf coastal zones. Earth System Science Data, 2022, 14, 2279-2301.	9.9	4
9	Thermoâ€erosional valleys in Siberian iceâ€rich permafrost. Permafrost and Periglacial Processes, 2021, 32, 59-75.	3.4	18
10	Decadal-scale hotspot methane ebullition within lakes following abrupt permafrost thaw. Environmental Research Letters, 2021, 16, 035010.	5.2	21
11	Spatiotemporal patterns of northern lake formation since the Last Glacial Maximum. Quaternary Science Reviews, 2021, 253, 106773.	3.0	23
12	Greenhouse gas production and lipid biomarker distribution in Yedoma and Alas thermokarst lake sediments in Eastern Siberia. Global Change Biology, 2021, 27, 2822-2839.	9.5	21
13	Methane pathways in winter ice of a thermokarst lakeâ€“lagoonâ€“coastal water transect in north Siberia. Cryosphere, 2021, 15, 1607-1625.	3.9	7
14	The role of wetland expansion and successional processes in methane emissions from northern wetlands during the Holocene. Quaternary Science Reviews, 2021, 257, 106864.	3.0	15
15	Remote Sensing-Based Statistical Approach for Defining Drained Lake Basins in a Continuous Permafrost Region, North Slope of Alaska. Remote Sensing, 2021, 13, 2539.	4.0	8
16	First pan-Arctic assessment of dissolved organic carbon in lakes of the permafrost region. Biogeosciences, 2021, 18, 3917-3936.	3.3	12
17	Onshore Thermokarst Primes Subsea Permafrost Degradation. Geophysical Research Letters, 2021, 48, e2021GL093881.	4.0	12
18	Iron Redistribution Upon Thermokarst Processes in the Yedoma Domain. Frontiers in Earth Science, 2021, 9, .	1.8	10

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19	Monitoring the Transformation of Arctic Landscapes: Automated Shoreline Change Detection of Lakes Using Very High Resolution Imagery. Remote Sensing, 2021, 13, 2802.	4.0	5
20	Thermokarst Lagoons: A Core-Based Assessment of Depositional Characteristics and an Estimate of Carbon Pools on the Bykovsky Peninsula. Frontiers in Earth Science, 2021, 9, .	1.8	7
21	A Quantitative Graph-Based Approach to Monitoring Ice-Wedge Trough Dynamics in Polygonal Permafrost Landscapes. Remote Sensing, 2021, 13, 3098.	4.0	12
22	Geochemistry and Weathering Indices of Yedoma and Alas Deposits beneath Thermokarst Lakes in Central Yakutia. Frontiers in Earth Science, 2021, 9, .	1.8	7
23	Mineral Element Stocks in the Yedoma Domain: A Novel Method Applied to Ice-Rich Permafrost Regions. Frontiers in Earth Science, 2021, 9, .	1.8	10
24	Geomorphological and Climatic Drivers of Thermokarst Lake Area Increase Trend (1999â€“2018) in the Kolyma Lowland Yedoma Region, North-Eastern Siberia. Remote Sensing, 2021, 13, 178.	4.0	40
25	Landsat-based lake distribution and changes in western Alaska permafrost regions between the 1970s and 2010s. Environmental Research Letters, 2021, 16, 025006.	5.2	15
26	Developing and Testing a Deep Learning Approach for Mapping Retrogressive Thaw Slumps. Remote Sensing, 2021, 13, 4294.	4.0	20
27	Circum-Arctic Map of the Yedoma Permafrost Domain. Frontiers in Earth Science, 2021, 9, .	1.8	49
28	Expanding infrastructure and growing anthropogenic impacts along Arctic coasts. Environmental Research Letters, 2021, 16, 115013.	5.2	26
29	The Borealâ€“Arctic Wetland and Lake Dataset (BAWLD). Earth System Science Data, 2021, 13, 5127-5149.	9.9	46
30	Thawing Yedoma permafrost is a neglected nitrous oxide source. Nature Communications, 2021, 12, 7107.	12.8	24
31	A synthesis of methane dynamics in thermokarst lake environments. Earth-Science Reviews, 2020, 210, 103365.	9.1	28
32	Thermokarst Lake to Lagoon Transitions in Eastern Siberia: Do Submerged Taliks Refreeze?. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005424.	2.8	12
33	n-Alkane Characteristics of Thawed Permafrost Deposits Below a Thermokarst Lake on Bykovsky Peninsula, Northeastern Siberia. Frontiers in Environmental Science, 2020, 8, .	3.3	10
34	Rapid Fluvio-Thermal Erosion of a Yedoma Permafrost Cliff in the Lena River Delta. Frontiers in Earth Science, 2020, 8, .	1.8	38
35	Mosaicking Landsat and Sentinel-2 Data to Enhance LandTrendr Time Series Analysis in Northern High Latitude Permafrost Regions. Remote Sensing, 2020, 12, 2471.	4.0	12
36	Remote sensing northern lake methane ebullition. Nature Climate Change, 2020, 10, 511-517.	18.8	45

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37	Increase in beaver dams controls surface water and thermokarst dynamics in an Arctic tundra region, Baldwin Peninsula, northwestern Alaska. Environmental Research Letters, 2020, 15, 075005.	5.2	20
38	Identifying historical and future potential lake drainage events on the western Arctic coastal plain of Alaska. Permafrost and Periglacial Processes, 2020, 31, 110-127.	3.4	30
39	Carbon release through abrupt permafrost thaw. Nature Geoscience, 2020, 13, 138-143.	12.9	434
40	High potential for loss of permafrost landforms in a changing climate. Environmental Research Letters, 2020, 15, 104065.	5.2	28
41	Organic carbon characteristics in ice-rich permafrost in alas and Yedoma deposits, central Yakutia, Siberia. Biogeosciences, 2020, 17, 3797-3814.	3.3	17
42	The genesis of Yedoma Ice Complex permafrost â€“ grain-size endmember modeling analysis from Siberia and Alaska. E&G Quaternary Science Journal, 2020, 69, 33-53.	0.7	28
43	The catastrophic thermokarst lake drainage events of 2018 in northwestern Alaska: fast-forward into the future. Cryosphere, 2020, 14, 4279-4297.	3.9	51
44	Ice roads through lake-rich Arctic watersheds: Integrating climate uncertainty and freshwater habitat responses into adaptive management. Arctic, Antarctic, and Alpine Research, 2019, 51, 9-23.	1.1	22
45	Century-scale time since permafrost thaw affects temperature sensitivity of net methane production in thermokarst-lake and talik sediments. Science of the Total Environment, 2019, 691, 124-134.	8.0	18
46	Comparing Spectral Characteristics of Landsat-8 and Sentinel-2 Same-Day Data for Arctic-Boreal Regions. Remote Sensing, 2019, 11, 1730.	4.0	19
47	Permafrost collapse is accelerating carbon release. Nature, 2019, 569, 32-34.	27.8	237
48	An Object-Based Classification Method to Detect Methane Ebullition Bubbles in Early Winter Lake Ice. Remote Sensing, 2019, 11, 822.	4.0	8
49	Organic Carbon and Nitrogen Stocks Along a Thermokarst Lake Sequence in Arctic Alaska. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1230-1247.	3.0	16
50	Heat and Salt Flow in Subsea Permafrost Modeled with CryoGRID2. Journal of Geophysical Research F: Earth Surface, 2019, 124, 920-937.	2.8	28
51	Size Distributions of Arctic Waterbodies Reveal Consistent Relations in Their Statistical Moments in Space and Time. Frontiers in Earth Science, 2019, 7, .	1.8	25
52	Widespread global peatland establishment and persistence over the last 130,000 y. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4822-4827.	7.1	82
53	Permafrost is warming at a global scale. Nature Communications, 2019, 10, 264.	12.8	1,039
54	Tundra landform and vegetation productivity trend maps for the Arctic Coastal Plain of northern Alaska. Scientific Data, 2018, 5, 180058.	5.3	26

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55	Variability in Rates of Coastal Change Along the Yukon Coast, 1951 to 2015. Journal of Geophysical Research F: Earth Surface, 2018, 123, 779-800.	2.8	50
56	Reduced arctic tundra productivity linked with landform and climate change interactions. Scientific Reports, 2018, 8, 2345.	3.3	100
57	Alaskan marine transgressions record out-of-phase Arctic Ocean glaciation during the last interglacial. Geology, 2018, 46, 783-786.	4.4	11
58	A decade of remotely sensed observations highlight complex processes linked to coastal permafrost bluff erosion in the Arctic. Environmental Research Letters, 2018, 13, 115001.	5.2	73
59	Organic matter characteristics in yedoma and thermokarst deposits on Baldwin Peninsula, west Alaska. Biogeosciences, 2018, 15, 6033-6048.	3.3	28
60	Remote sensing quantifies widespread abundance of permafrost region disturbances across the Arctic and Subarctic. Nature Communications, 2018, 9, 5423.	12.8	179
61	Transient Electromagnetic Surveys for the Determination of Talik Depth and Geometry Beneath Thermokarst Lakes. Journal of Geophysical Research: Solid Earth, 2018, 123, 9310-9323.	3.4	21
62	Sedimentary and geochemical characteristics of two small permafrost-dominated Arctic river deltas in northern Alaska. Arktos, 2018, 4, 1-18.	1.0	4
63	Sediment characteristics of a thermokarst lagoon in the northeastern Siberian Arctic (Ivashkina) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	14
64	Tundra be dammed: Beaver colonization of the Arctic. Global Change Biology, 2018, 24, 4478-4488.	9.5	66
65	Sub-seasonal thaw slump mass wasting is not consistently energy limited at the landscape scale. Cryosphere, 2018, 12, 549-564.	3.9	35
66	Carbon and nitrogen pools in thermokarst-affected permafrost landscapes in Arctic Siberia. Biogeosciences, 2018, 15, 953-971.	3.3	38
67	Sentinel-1 InSAR Measurements of Elevation Changes over Yedoma Uplands on Sobo-Sise Island, Lena Delta. Remote Sensing, 2018, 10, 1152.	4.0	31
68	Monitoring Inter- and Intra-Seasonal Dynamics of Rapidly Degrading Ice-Rich Permafrost Riverbanks in the Lena Delta with TerraSAR-X Time Series. Remote Sensing, 2018, 10, 51.	4.0	28
69	21st-century modeled permafrost carbon emissions accelerated by abrupt thaw beneath lakes. Nature Communications, 2018, 9, 3262.	12.8	187
70	Coastal erosion and mass wasting along the Canadian Beaufort Sea based on annual airborne LiDAR elevation data. Geomorphology, 2017, 293, 331-346.	2.6	67
71	Diatom records and tephra mineralogy in pingo deposits of Seward Peninsula, Alaska. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 479, 1-15.	2.3	14
72	Deep Yedoma permafrost: A synthesis of depositional characteristics and carbon vulnerability. Earth-Science Reviews, 2017, 172, 75-86.	9.1	236

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73	A lake-centric geospatial database to guide research and inform management decisions in an Arctic watershed in northern Alaska experiencing climate and land-use changes. Ambio, 2017, 46, 769-786.	5.5	19
74	Landsat-Based Trend Analysis of Lake Dynamics across Northern Permafrost Regions. Remote Sensing, 2017, 9, 640.	4.0	110
75	PeRL: aÂcircum-Arctic Permafrost Region Pond andÂLakeÂdatabase. Earth System Science Data, 2017, 9, 317-348.	9.9	62
76	Detection and spatiotemporal analysis of methane ebullition on thermokarst lake ice using high-resolution optical aerial imagery. Biogeosciences, 2016, 13, 27-44.	3.3	25
77	Presence of rapidly degrading permafrost plateaus in south-central Alaska. Cryosphere, 2016, 10, 2673-2692.	3.9	34
78	Coastal dynamics and submarine permafrost in shallow water of the central Laptev Sea, East Siberia. Cryosphere, 2016, 10, 1449-1462.	3.9	39
79	Evidence of multiple thermokarst lake generations from an 11Â800â€yearâ€old permafrost core on the northern S eward P eninsula, A laska. Boreas, 2016, 45, 584-603.	2.4	24
80	Changing permafrost in a warming world and feedbacks to the Earth system. Environmental Research Letters, 2016, 11, 040201.	5.2	143
81	Threshold sensitivity of shallow Arctic lakes and sublake permafrost to changing winter climate. Geophysical Research Letters, 2016, 43, 6358-6365.	4.0	68
82	Simulating soil organic carbon in yedoma deposits during the Last Glacial Maximum in a land surface model. Geophysical Research Letters, 2016, 43, 5133-5142.	4.0	18
83	Monitoring permafrost and thermokarst processes with TanDEM-X DEM time series: Opportunities and limitations. , 2016, , .		2
84	Rapid degradation of permafrost underneath waterbodies in tundra landscapesâ€"Toward a representation of thermokarst in land surface models. Journal of Geophysical Research F: Earth Surface, 2016, 121, 2446-2470.	2.8	54
85	Detection of landscape dynamics in the Arctic Lena Delta with temporally dense Landsat time-series stacks. Remote Sensing of Environment, 2016, 181, 27-41.	11.0	76
86	Spatial distribution of thermokarst terrain in Arctic Alaska. Geomorphology, 2016, 273, 116-133.	2.6	66
87	Remote Sensing of Landscape Change in Permafrost Regions. Permafrost and Periglacial Processes, 2016, 27, 324-338.	3.4	74
88	Midâ€Wisconsin to Holocene Permafrost and Landscape Dynamics based on a Drained Lake Basin Core from the Northern Seward Peninsula, Northwest Alaska. Permafrost and Periglacial Processes, 2016, 27, 56-75.	3.4	26
89	Methane emissions proportional to permafrost carbon thawed in Arctic lakes since the 1950s. Nature Geoscience, 2016, 9, 679-682.	12.9	150
90	Circumpolar distribution and carbon storage of thermokarst landscapes. Nature Communications, 2016, 7, 13043.	12.8	343

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91	Impacts of shore expansion and catchment characteristics on lacustrine thermokarst records in permafrost lowlands, Alaska Arctic Coastal Plain. Arktos, 2016, 2, 1.	1.0	16
92	The evolution of a thermokarst-lake landscape: Late Quaternary permafrost degradation and stabilization in interior Alaska. Sedimentary Geology, 2016, 340, 3-14.	2.1	35
93	Facies analysis of yedoma thermokarst lakes on the northern Seward Peninsula, Alaska. Sedimentary Geology, 2016, 340, 25-37.	2.1	38
94	Pan-Arctic ice-wedge degradation in warming permafrost and its influence on tundra hydrology. Nature Geoscience, 2016, 9, 312-318.	12.9	527
95	Recent Arctic tundra fire initiates widespread thermokarst development. Scientific Reports, 2015, 5, 15865.	3.3	139
96	Observation-based modelling of permafrost carbon fluxes with accounting for deep carbon deposits and thermokarst activity. Biogeosciences, 2015, 12, 3469-3488.	3.3	114
97	Thermokarst lake methanogenesis along a complete talik profile. Biogeosciences, 2015, 12, 4317-4331.	3.3	43
98	Distribution and biophysical processes of beaded streams in Arctic permafrost landscapes. Biogeosciences, 2015, 12, 29-47.	3.3	25
99	Active Layer Stratigraphy and Organic Layer Thickness at a Thermokarst Site in Arctic Alaska Identified Using Ground Penetrating Radar. Arctic, Antarctic, and Alpine Research, 2015, 47, 195-202.	1.1	18
100	Climate change and the permafrost carbon feedback. Nature, 2015, 520, 171-179.	27.8	2,369
101	A simplified, data-constrained approach to estimate the permafrost carbonâ€“climate feedback. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140423.	3.4	149
102	Polygonal tundra geomorphological change in response to warming alters future <scp>CO</scp>₂ and <scp>CH</scp>₄ flux on the Barrow Peninsula. Global Change Biology, 2015, 21, 1634-1651.	9.5	100
103	Estimated stocks of circumpolar permafrost carbon with quantified uncertainty ranges and identified data gaps. Biogeosciences, 2014, 11, 6573-6593.	3.3	1,079
104	Seasonal thaw settlement at drained thermokarst lake basins, Arctic Alaska. Cryosphere, 2014, 8, 815-826.	3.9	50
105	A shift of thermokarst lakes from carbon sources to sinks during the Holocene epoch. Nature, 2014, 511, 452-456.	27.8	246
106	Quantifying Wedge-Ice Volumes in Yedoma and Thermokarst Basin Deposits. Permafrost and Periglacial Processes, 2014, 25, 151-161.	3.4	72
107	Expert assessment of vulnerability of permafrost carbon to climate change. Climatic Change, 2013, 119, 359-374.	3.6	257
108	8.21 Thermokarst Lakes, Drainage, and Drained Basins. , 2013, , 325-353.		194

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109	Detecting unfrozen sediments below thermokarst lakes with surface nuclear magnetic resonance. Geophysical Research Letters, 2013, 40, 535-540.	4.0	45
110	Characterisation of the Permafrost Carbon Pool. Permafrost and Periglacial Processes, 2013, 24, 146-155.	3.4	46
111	Classification of freshwater ice conditions on the Alaskan Arctic Coastal Plain using ground penetrating radar and TerraSAR-X satellite data. International Journal of Remote Sensing, 2013, 34, 8267-8279.	2.9	27
112	Quantification of upland thermokarst features with high resolution remote sensing. Environmental Research Letters, 2013, 8, 035016.	5.2	35
113	The deep permafrost carbon pool of the Yedoma region in Siberia and Alaska. Geophysical Research Letters, 2013, 40, 6165-6170.	4.0	187
114	Characterization of L-band synthetic aperture radar (SAR) backscatter from floating and grounded thermokarst lake ice in Arctic Alaska. Cryosphere, 2013, 7, 1741-1752.	3.9	26
115	Quantifying landscape change in an arctic coastal lowland using repeat airborne LiDAR. Environmental Research Letters, 2013, 8, 045025.	5.2	47
116	Synthetic aperture radar (SAR) backscatter response from methane ebullition bubbles trapped by thermokarst lake ice. Canadian Journal of Remote Sensing, 2013, 38, 667-682.	2.4	31
117	PERMAFROST AND PERIGLACIAL FEATURES | Yedoma: Late Pleistocene Ice-Rich Syngenetic Permafrost of Beringia. , 2013, , 542-552.		139
118	Recent lake iceâ€out phenology within and among lake districts of Alaska, U.S.A. Limnology and Oceanography, 2013, 58, 2013-2028.	3.1	59
119	Identification of unrecognized tundra fire events on the north slope of Alaska. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1334-1344.	3.0	58
120	Impacts of disturbance on the terrestrial carbon budget of North America. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 303-316.	3.0	57
121	Short- and long-term thermo-erosion of ice-rich permafrost coasts in the Laptev Sea region. Biogeosciences, 2013, 10, 4297-4318.	3.3	167
122	Organic carbon and total nitrogen stocks in soils of the Lena River Delta. Biogeosciences, 2013, 10, 3507-3524.	3.3	81
123	A new data set for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region. Earth System Science Data, 2013, 5, 393-402.	9.9	148
124	Ground penetrating radar detection of subsnow slush on ice-covered lakes in interior Alaska. Cryosphere, 2012, 6, 1435-1443.	3.9	17
125	Field information links permafrost carbon to physical vulnerabilities of thawing. Geophysical Research Letters, 2012, 39, .	4.0	265
126	Geologic methane seeps along boundaries of Arctic permafrost thaw and melting glaciers. Nature Geoscience, 2012, 5, 419-426.	12.9	211

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127	Late Quaternary environmental and landscape dynamics revealed by a pingo sequence on the northern Seward Peninsula, Alaska. Quaternary Science Reviews, 2012, 39, 26-44.	3.0	32
128	Assessment of pingo distribution and morphometry using an IfSAR derived digital surface model, western Arctic Coastal Plain, Northern Alaska. Geomorphology, 2012, 138, 1-14.	2.6	37
129	Drainage Network Structure and Hydrologic Behavior of Three Lake-Rich Watersheds on the Arctic Coastal Plain, Alaska. Arctic, Antarctic, and Alpine Research, 2012, 44, 385-398.	1.1	41
130	Peat accumulation in drained thermokarst lake basins in continuous, iceâ€rich permafrost, northern Seward Peninsula, Alaska. Journal of Geophysical Research, 2012, 117, .	3.3	84
131	Using the deuterium isotope composition of permafrost meltwater to constrain thermokarst lake contributions to atmospheric CH₄ during the last deglaciation. Journal of Geophysical Research, 2012, 117, .	3.3	64
132	Characterizing Post-Drainage Succession in Thermokarst Lake Basins on the Seward Peninsula, Alaska with TerraSAR-X Backscatter and Landsat-based NDVI Data. Remote Sensing, 2012, 4, 3741-3765.	4.0	33
133	Rapid movement of frozen debris-lobes: implications for permafrost degradation and slope instability in the south-central Brooks Range, Alaska. Natural Hazards and Earth System Sciences, 2012, 12, 1521-1537.	3.6	37
134	Vulnerability of high-latitude soil organic carbon in North America to disturbance. Journal of Geophysical Research, 2011, 116, .	3.3	337
135	Vulnerability and Feedbacks of Permafrost to Climate Change. Eos, 2011, 92, 73-74.	0.1	121
136	Modern thermokarst lake dynamics in the continuous permafrost zone, northern Seward Peninsula, Alaska. Journal of Geophysical Research, 2011, 116, .	3.3	250
137	Late Quaternary paleoenvironmental records from the western Lena Delta, Arctic Siberia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 299, 175-196.	2.3	51
138	Sedimentary characteristics and origin of the Late Pleistocene Ice Complex on north-east Siberian Arctic coastal lowlands and islands â€“ A review. Quaternary International, 2011, 241, 3-25.	1.5	182
139	Fossil organic matter characteristics in permafrost deposits of the northeast Siberian Arctic. Journal of Geophysical Research, 2011, 116, .	3.3	147
140	Coastal erosion dynamics on the permafrost-dominated Bykovsky Peninsula, north Siberia, 1951â€“2006. Polar Research, 2011, 30, 7341.	1.6	67
141	Expansion rate and geometry of floating vegetation mats on the margins of thermokarst lakes, northern Seward Peninsula, Alaska, USA. Earth Surface Processes and Landforms, 2011, 36, 1889-1897.	2.5	21
142	Hydrogeomorphic processes of thermokarst lakes with groundedâ€ice and floatingâ€ice regimes on the Arctic coastal plain, Alaska. Hydrological Processes, 2011, 25, 2422-2438.	2.6	106
143	Spatial distribution of pingos in northern Asia. Cryosphere, 2011, 5, 13-33.	3.9	44
144	Spatial analyses of thermokarst lakes and basins in Yedoma landscapes of the Lena Delta. Cryosphere, 2011, 5, 849-867.	3.9	121

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145	Holocene land-cover changes on the Tibetan Plateau. Holocene, 2010, 20, 91-104.	1.7	62
146	Why Permafrost Is Thawing, Not Melting. Eos, 2010, 91, 87-87.	0.1	2
147	The mystery of Bunge Land (New Siberian Archipelago): implications for its formation based on palaeoenvironmental records, geomorphology, and remote sensing. Quaternary Science Reviews, 2010, 29, 3598-3614.	3.0	17
148	Sikuliqiruq: ice dynamics of the Meade River â€“ Arctic Alaska, from freezeup to breakup from time-series ground imagery. Polar Geography, 2010, 33, 115-137.	1.9	2
149	Weichselian and Holocene palaeoenvironmental history of the Bol'shoy Lyakhovsky Island, New Siberian Archipelago, Arctic Siberia. Boreas, 2009, 38, 72-110.	2.4	92
150	Land cover classification of tundra environments in the Arctic Lena Delta based on Landsat 7 ETM+ data and its application for upscaling of methane emissions. Remote Sensing of Environment, 2009, 113, 380-391.	11.0	123
151	Spectral characterization of periglacial surfaces and geomorphological units in the Arctic Lena Delta using field spectrometry and remote sensing. Remote Sensing of Environment, 2009, 113, 1220-1235.	11.0	51
152	Erosional history of Cape Halkett and contemporary monitoring of bluff retreat, Beaufort Sea coast, Alaska. Polar Geography, 2009, 32, 129-142.	1.9	26
153	Arctic thermokarst lakes and the carbon cycle. PAGES News, 2009, 17, 16-18.	0.3	2
154	Periglacial landscape evolution and environmental changes of Arctic lowland areas for the last 60 000 years (western Laptev Sea coast, Cape Mamontov Klyk). Polar Research, 2008, 27, 249-272.	1.6	68
155	Continental climate in the East Siberian Arctic during the last interglacial: Implications from palaeobotanical records. Global and Planetary Change, 2008, 60, 535-562.	3.5	48
156	Deposition and degradation of a volatile-rich layer in Utopia Planitia and implications for climate history on Mars. Journal of Geophysical Research, 2007, 112, .	3.3	116
157	Geological and geomorphological evolution of a sedimentary periglacial landscape in Northeast Siberia during the Late Quaternary. Geomorphology, 2007, 86, 25-51.	2.6	99
158	Thermokarst Lakes as a Source of Atmospheric CH ₄ During the Last Deglaciation. Science, 2007, 318, 633-636.	12.6	287
159	Application of Landsat-7 satellite data and a DEM for the quantification of thermokarst-affected terrain types in the periglacial Lenaâ€“Anabar coastal lowland. Polar Research, 2006, 25, 51-67.	1.6	15
160	Application of Landsat-7 satellite data and a DEM for the quantification of thermokarst-affected terrain types in the periglacial Lena?Anabar coastal lowland. Polar Research, 2006, 25, 51-67.	1.6	45
161	The use of CORONA images in remote sensing of periglacial geomorphology: an illustration from the NE Siberian coast. Permafrost and Periglacial Processes, 2005, 16, 163-172.	3.4	92
162	Application of Landsat-7 satellite data and a DEM for the quantification of thermokarst-affected terrain types in the periglacial Lena?Anabar coastal lowland. Polar Research, 2005, 25, 51-67.	1.6	0

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163	Late Saalian and Eemian palaeoenvironmental history of the Bol'shoy Lyakhovsky Island (Laptev Sea) Tj ETQq1 1 0.784314 rgBT /Over	2.4	68
164	Late Saalian and Eemian palaeoenvironmental history of the Bol'shoy Lyakhovsky Island (Laptev Sea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.4	13
165	Late Quaternary History of the Accumulation Plain North of the Chekanovsky Ridge (Lena Delta,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	86
166	Short communication: a new dataset for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region. , 0, , .		6
167	Mercury in Sediment Core Samples From Deep Siberian Ice-Rich Permafrost. Frontiers in Earth Science, 0, 9, .	1.8	3