

CITATION REPORT

List of articles citing

Thermal state of permafrost in Russia

DOI: 10.1002/ppp.683

Permafrost and Periglacial Processes, 2010, 21, 136-155.

Source: <https://exaly.com/paper-pdf/47763780/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
353	Thermal state of permafrost and active-layer monitoring in the antarctic: Advances during the international polar year 2007-2009. <i>Permafrost and Periglacial Processes</i> , 2010 , 21, 182-197	4.2	131
352	High-resolution mapping of ecosystem carbon storage and potential effects of permafrost thaw in periglacial terrain, European Russian Arctic. 2011 , 116,		82
351	Warming-induced destabilization of peat plateau/thermokarst lake complexes. 2011 , 116,		91
350	Past and present permafrost temperatures in the Abisko area: redrilling of boreholes. 2011 , 40, 558-65		33
349	Alaskan Permafrost Groundwater Storage Changes Derived from GRACE and Ground Measurements. 2011 , 3, 378-397		47
348	Air and Ground Temperature Variations Observed along Elevation and Continentality Gradients in Southern Norway. <i>Permafrost and Periglacial Processes</i> , 2011 , 22, 343-360	4.2	48
347	Opportunities and limitations to detect climate-related regime shifts in inland Arctic ecosystems through eco-hydrological monitoring. 2011 , 6, 014015		38
346	Spatial distribution of pingos in northern Asia. 2011 , 5, 13-33		35
345	Modeling the temperature evolution of Svalbard permafrost during the 20th and 21st century. 2011 , 5, 67-79		70
344	Sources and the flux pattern of dissolved carbon in rivers of the Yenisey basin draining the Central Siberian Plateau. 2011 , 6, 045212		64
343	Modelling borehole temperatures in Southern Norway – insights into permafrost dynamics during the 20th and 21st century. 2012 , 6, 553-571		38
342	Response characteristics of vegetation and soil environment to permafrost degradation in the upstream regions of the Shule River Basin. 2012 , 7, 045406		34
341	Changes in Climate Extremes and their Impacts on the Natural Physical Environment. 109-230		709
340	Geologic methane seeps along boundaries of Arctic permafrost thaw and melting glaciers. 2012 , 5, 419-426		161
339	Future vegetation changes in thawing subarctic mires and implications for greenhouse gas exchange – regional assessment. 2012 , 115, 379-398		27
338	Permafrost, Infrastructure, and Climate Change: A GIS-Based Landscape Approach to Geotechnical Modeling. 2012 , 44, 368-380		51
337	Seven-year trends of CO ₂ exchange in a tundra ecosystem affected by long-term permafrost thaw. 2012 , 117, n/a-n/a		36

336	Trends in CO2 exchange in a high Arctic tundra heath, 2000-2010. 2012 , 117, n/a-n/a		54
335	Thermokarst lake, hydrological flow and water balance indicators of permafrost change in Western Siberia. <i>Journal of Hydrology</i> , 2012 , 464-465, 459-466	6	106
334	Temporal and spatial variations of the active layer along the Qinghai-Tibet Highway in a permafrost region. 2012 , 57, 4609-4616		89
333	Spectral Estimation of Soil Properties in Siberian Tundra Soils and Relations with Plant Species Composition. 2012 , 2012, 1-13		10
332	Using Air Convection Ducts to Control Permafrost Degradation under Road Infrastructure: Beaver Creek Experimental Site, Yukon, Canada. 2012 ,		1
331	Mapping the degree of decomposition and thaw remobilization potential of soil organic matter in discontinuous permafrost terrain. 2012 , 117, n/a-n/a		54
330	Variations in soil temperature at BJ site on the central Tibetan Plateau. 2012 , 9, 274-285		4
329	Detection and attribution of anthropogenic climate change impacts. 2013 , 4, 121-150		48
328	Permafrost changes and engineering stability in Qinghai-Xizang Plateau. 2013 , 58, 1079-1094		65
327	8.15 Permafrost: Formation and Distribution, Thermal and Mechanical Properties. 2013 , 202-222		4
326	8.28 The Glacial and Periglacial Research Frontier: Where from Here?. 2013 , 479-499		4
325	Effect of Climate Change on Siberian Infrastructure. 2013 , 155-170		6
324	Soil carbon pools in tundra and taiga ecosystems of northeastern Europe. 2013 , 46, 958-967		12
323	The deep permafrost carbon pool of the Yedoma region in Siberia and Alaska. 2013 , 40, 6165-6170		152
322	Climate warming and permafrost dynamics in the Antarctic Peninsula region. 2013 , 100, 215-223		98
321	Climate Changes in Siberia. 2013 , 57-109		27
320	Spatio-temporal features of permafrost thaw projected from long-term high-resolution modeling for a region in the Hudson Bay Lowlands in Canada. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013 , 118, 542-552	3.8	16
319	Seasonal and spatial variability of elemental concentrations in boreal forest larch foliage of Central Siberia on continuous permafrost. 2013 , 113, 435-449		31

318	Permafrost and fire as regulators of stream chemistry in basins of the Central Siberian Plateau. 2013 , 116, 55-68	21
317	Permafrost and groundwater on the Qinghai-Tibet Plateau and in northeast China. 2013 , 21, 5-23	197
316	Trajectory of the Arctic as an integrated system. 2013 , 23, 1837-68	142
315	Simulating soil freeze/thaw dynamics with an improved pan-Arctic water balance model. 2013 , 5, 659-675	37
314	Permafrost temperature and active-layer thickness of Yakutia with 0.5-degree spatial resolution for model evaluation. <i>Earth System Science Data</i> , 2013 , 5, 305-310	10.5 20
313	Contribution of permafrost soils to the global carbon budget. 2013 , 8, 014026	135
312	Response of methanogenic archaea to Late Pleistocene and Holocene climate changes in the Siberian Arctic. 2013 , 27, 305-317	34
311	Influence of the physical terrestrial Arctic in the eco-climate system. 2013 , 23, 1778-97	16
310	Baseline characteristics of climate, permafrost and land cover from a new permafrost observatory in the Lena River Delta, Siberia (1998-2011). 2013 , 10, 2105-2128	124
309	Short- and long-term thermo-erosion of ice-rich permafrost coasts in the Laptev Sea region. 2013 , 10, 4297-4318	134
308	PERMAFROST AND PERIGLACIAL FEATURES Active Layer Processes. 2013 , 421-429	1
307	Organic carbon and total nitrogen stocks in soils of the Lena River Delta. 2013 , 10, 3507-3524	63
306	LGM permafrost distribution: how well can the latest PMIP multi-model ensembles perform reconstruction?. 2013 , 9, 1697-1714	32
305	Simulating high-latitude permafrost regions by the JSBACH terrestrial ecosystem model. 2014 , 7, 631-647	80
304	Temporal Behavior of Lake Size-Distribution in a Thawing Permafrost Landscape in Northwestern Siberia. 2014 , 6, 621-636	44
303	Implications of Arctic Sea Ice Decline for the Earth System. 2014 , 39, 57-89	69
302	Characteristics of summer-time energy exchange in a high Arctic tundra heath 2000-2010. 2014 , 66, 21631	25
301	Permafrost thaw affects boreal deciduous plant transpiration through increased soil water, deeper thaw, and warmer soils. 2014 , 7, 982-997	26

300	Climate change and climatic events: community-, functional- and species-level responses of bryophytes and lichens to constant, stepwise, and pulse experimental warming in an alpine tundra. 2014 , 124, 81-91		24
299	Changes in the dynamics and thermal regime of the permafrost and active layer of the high arctic coastal area in north-west spitsbergen, svalbard. 2014 , 96, 227-240		9
298	The impact of the permafrost carbon feedback on global climate. 2014 , 9, 085003		218
297	Geocryological characteristics of the upper permafrost in a tundra-forest transition of the Indigirka River Valley, Russia. 2014 , 8, 96-113		30
296	Vegetation-Permafrost Relations within the Forest-Tundra Ecotone near Old Crow, Northern Yukon, Canada. <i>Permafrost and Periglacial Processes</i> , 2014 , 25, 127-135	4.2	21
295	Long-term soil temperature dynamics in the Sierra Nevada, Spain. 2014 , 235-236, 170-181		19
294	A shift of thermokarst lakes from carbon sources to sinks during the Holocene epoch. 2014 , 511, 452-6		194
293	Recent air temperature changes in the permafrost landscapes of northeastern Eurasia. 2014 , 8, 114-128		49
292	Bubble emissions from thermokarst lakes in the Qinghai-Xizang Plateau. <i>Quaternary International</i> , 2014 , 321, 65-70	2	12
291	Late season mobilization of trace metals in two small Alaskan arctic watersheds as a proxy for landscape scale permafrost active layer dynamics. 2014 , 381, 180-193		35
290	Observations: Cryosphere. 2014 , 317-382		91
289	Frozen soil degradation and its effects on surface hydrology in the northern Tibetan Plateau. 2015 , 120, 8276-8298		93
288	Comparative analysis of land, marine, and satellite observations of methane in the lower Atmosphere in the Russian Arctic under conditions of climate change. 2015 , 51, 979-991		5
287	Flood zone biogeochemistry of the Ob River middle course. 2015 , 63, 133-145		15
286	Permafrost hydrology in changing climatic conditions: seasonal variability of stable isotope composition in rivers in discontinuous permafrost. 2015 , 10, 095003		59
285	Noah Modelling of the Permafrost Distribution and Characteristics in the West Kunlun Area, Qinghai-Tibet Plateau, China. <i>Permafrost and Periglacial Processes</i> , 2015 , 26, 160-174	4.2	23
284	Remotely Sensed Active Layer Thickness (ReSALT) at Barrow, Alaska Using Interferometric Synthetic Aperture Radar. 2015 , 7, 3735-3759		46
283	Impact of model developments on present and future simulations of permafrost in a global land-surface model. 2015 , 9, 1505-1521		47

282	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers. 2015 , 12, 6301-6320		55
281	A ground temperature map of the North Atlantic permafrost region based on remote sensing and reanalysis data. 2015 , 9, 1303-1319		62
280	The role of snow cover affecting boreal-arctic soil freeze-thaw and carbon dynamics. 2015 , 12, 5811-5829		37
279	Impact of model developments on present and future simulations of permafrost in a global land-surface model. 2015 ,		7
278	Warming permafrost and active layer variability at Cime Bianche, Western European Alps. 2015 , 9, 647-661		29
277	Observing Muostakh disappear: permafrost thaw subsidence and erosion of a ground-ice-rich island in response to arctic summer warming and sea ice reduction. 2015 , 9, 151-178		97
276	Testing reliability of short-term responses to predict longer-term responses of bryophytes and lichens to environmental change. 2015 , 58, 77-85		21
275	Changes in the 1963-2013 shallow ground thermal regime in Russian permafrost regions. 2015 , 10, 125005		47
274	Dynamics of water mass in the Central Siberia permafrost zone based on gravity survey from the grace satellites. 2015 , 51, 806-818		3
273	Data evaluation and numerical modeling of hydrological interactions between active layer, lake and talik in a permafrost catchment, Western Greenland. <i>Journal of Hydrology</i> , 2015 , 527, 688-703	6	36
272	Late Holocene environmental change in arctic western Siberia. 2015 , 25, 150-165		9
271	Effect of snow cover on pan-Arctic permafrost thermal regimes. 2015 , 44, 2873-2895		63
270	Changes in active-layer thickness and near-surface permafrost between 2002 and 2012 in alpine ecosystems, Qinghai-Tibet Plateau, China. 2015 , 124, 149-155		137
269	Hydro-climatic and lake change patterns in Arctic permafrost and non-permafrost areas. <i>Journal of Hydrology</i> , 2015 , 529, 134-145	6	46
268	An improved representation of physical permafrost dynamics in the JULES land-surface model. 2015 , 8, 1493-1508		66
267	Surface morphology of fans in the high-Arctic periglacial environment of Svalbard: Controls and processes. 2015 , 146, 163-182		53
266	Impact of permafrost degradation on embankment deformation of Qinghai-Tibet Highway in permafrost regions. 2015 , 22, 1079-1086		24
265	Climate change and the permafrost carbon feedback. 2015 , 520, 171-9		1667

264	Utilization of ancient permafrost carbon in headwaters of Arctic fluvial networks. 2015 , 6, 7856		156
263	The past and present-day Arctic cryosphere. 2015 , 85, 251-259		3
262	Temperature-Dependent Adjustments of the Permafrost Thermal Profiles on the Qinghai-Tibet Plateau, China. 2015 , 47, 719-728		15
261	Permafrost Degradation. 2015 , 303-344		30
260	Forest forecasting with vegetation models across Russia. 2015 , 45, 175-184		46
259	Contrasting radiation and soil heat fluxes in Arctic shrub and wet sedge tundra. 2016 , 13, 4049-4064		26
258	Pan-Arctic Trends in Terrestrial Dissolved Organic Matter from Optical Measurements. 2016 , 4,		69
257	Multi-decadal increases in dissolved organic carbon and alkalinity flux from the Mackenzie drainage basin to the Arctic Ocean. 2016 , 11, 054015		90
256	Multidecadal increases in the Yukon River Basin of chemical fluxes as indicators of changing flowpaths, groundwater, and permafrost. 2016 , 43, 12,120-12,130		68
255	Impacts of different climate change regimes and extreme climatic events on an alpine meadow community. <i>Scientific Reports</i> , 2016 , 6, 21720	4.9	24
254	Temperature sensitivity of organic matter decomposition of permafrost-region soils during laboratory incubations. 2016 , 97, 1-14		63
253	Coupling of sedimentological and limnological dynamics in subarctic thermokarst ponds in Northern Québec (Canada) on an interannual basis. 2016 , 340, 15-24		9
252	Microbial lipid signatures and substrate potential of organic matter in permafrost deposits: Implications for future greenhouse gas production. 2016 , 121, 2652-2666		16
251	Methane emissions proportional to permafrost carbon thawed in Arctic lakes since the 1950s. 2016 , 9, 679-682		105
250	Future vegetation-climate interactions in Eastern Siberia: an assessment of the competing effects of CO ₂ and secondary organic aerosols. 2016 , 16, 5243-5262		13
249	Ground temperature changes on the Kaffirra Plain (Spitsbergen) in the summer seasons, 1975-2014. 2016 , 37, 1-21		1
248	Geohazards and thermal regime analysis of oil pipeline along the Qinghai-Tibet Plateau Engineering Corridor. <i>Natural Hazards</i> , 2016 , 83, 193-209	3	13
247	Organic and organo-mineral colloids in discontinuous permafrost zone. 2016 , 188, 1-20		56

246	. 2016 , 54, 5588-5601		35
245	Satellite-derived changes in the permafrost landscape of central Yakutia, 2000-2011: Wetting, drying, and fires. 2016 , 139, 116-127		50
244	Tamm Review: Observed and projected climate change impacts on Russia's forests and its carbon balance. 2016 , 361, 432-444		75
243	Economic impacts of carbon dioxide and methane released from thawing permafrost. 2016 , 6, 56-59		40
242	Estimation and Sensitivity of Carbon Storage in Permafrost of North-Eastern Yakutia. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 379-390	4.2	23
241	Impact of mountain permafrost on flow path and runoff response in a high alpine catchment. 2017 , 53, 1288-1308		37
240	Applicability of the ecosystem type approach to model permafrost dynamics across the Alaska North Slope. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017 , 122, 50-75	3.8	43
239	Physical and chemical characteristics of lakes across heterogeneous landscapes in arctic and subarctic Alaska. 2017 , 122, 989-1008		14
238	Arctic permafrost landscapes in transition: towards an integrated Earth system approach. 2017 , 3, 39-64		52
237	Progress in space-borne studies of permafrost for climate science: Towards a multi-ECV approach. 2017 , 203, 55-70		17
236	Increased nitrous oxide emissions from Arctic peatlands after permafrost thaw. 2017 , 114, 6238-6243		87
235	Holocene carbon dynamics at the forest-steppe ecotone of southern Siberia. 2017 , 23, 1942-1960		8
234	Post-fire carbon and nitrogen accumulation and succession in Central Siberia. <i>Scientific Reports</i> , 2017 , 7, 12776	4.9	9
233	Testate amoeba as palaeohydrological indicators in the permafrost peatlands of north-east European Russia and Finnish Lapland. 2017 , 32, 976-988		14
232	Deep Yedoma permafrost: A synthesis of depositional characteristics and carbon vulnerability. 2017 , 172, 75-86		135
231	Dynamics of peat plateau near the southern boundary of the East European permafrost zone. 2017 , 50, 526-538		8
230	Evaluation of GRACE Mascon Gravity Solution in Relation to Interannual Oceanic Water Mass Variations. 2017 , 55, 907-914		2
229	Climate Change and Stability of Urban Infrastructure in Russian Permafrost Regions: Prognostic Assessment based on GCM Climate Projections. 2017 , 107, 125-142		57

228	Recent advances in the study of active layer thermal regime and seasonal frost dynamics in cold climate environments. 2017 , 149, 515-518		5
227	Warming of subarctic tundra increases emissions of all three important greenhouse gases - carbon dioxide, methane, and nitrous oxide. 2017 , 23, 3121-3138		120
226	Ground temperature and permafrost distribution in Hurd Peninsula (Livingston Island, Maritime Antarctic): An assessment using freezing indexes and TTOP modelling. 2017 , 149, 560-571		25
225	Interannual and Seasonal Patterns of Carbon Dioxide, Water, and Energy Fluxes From Ecotonal and Thermokarst-Impacted Ecosystems on Carbon-Rich Permafrost Soils in Northeastern Siberia. 2017 , 122, 2651-2668		11
224	Permafrost aggradation and methane production in low accumulative laidas (tidal flats) of the Kara Sea. 2017 , 476, 1069-1072		6
223	Spatial variation in concentration and sources of organic carbon in the Lena River, Siberia. 2017 , 122, 1999-2016		16
222	Testing the capability of ORCHIDEE land surface model to simulate Arctic ecosystems: Sensitivity analysis and site-level model calibration. 2017 , 9, 1212-1230		4
221	Permafrost Boundary Shift in Western Siberia May Not Modify Dissolved Nutrient Concentrations in Rivers. <i>Water (Switzerland)</i> , 2017 , 9, 985	3	17
220	Northern Eurasia Future Initiative (NEFI): facing the challenges and pathways of global change in the twenty-first century. 2017 , 4,		55
219	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). 2017 , 14, 575-596		33
218	Dissolved organic carbon and major and trace elements in peat porewater of sporadic, discontinuous, and continuous permafrost zones of western Siberia. 2017 , 14, 3561-3584		41
217	Palaeoclimate characteristics in interior Siberia of MIS 6: first insights from the Batagay permafrost mega-thaw slump in the Yana Highlands. 2017 , 13, 795-818		29
216	Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea). 2017 , 14, 1261-1283		22
215	Permafrost thaw and climate warming may decrease the CO ₂ , carbon, and metal concentration in peat soil waters of the Western Siberia Lowland. 2018 , 634, 1004-1023		39
214	Spatiotemporal variability of drought in the northern part of northeast China. 2018 , 32, 1449-1460		9
213	Variations in the northern permafrost boundary over the last four decades in the Xidatan region, Qinghai-Tibet Plateau. 2018 , 15, 765-778		4
212	Climate change and the distribution of frozen soil in 1980-2010 in northern northeast China. <i>Quaternary International</i> , 2018 , 467, 230-241	2	18
211	Freeze-thaw cycles of Arctic thaw ponds remove colloidal metals and generate low-molecular-weight organic matter. 2018 , 137, 321-336		14

210	A process-based decomposition of decadal-scale surface temperature evolutions over East Asia. 2018 , 51, 4371-4383		3
209	Lake Baikal isotope records of Holocene Central Asian precipitation. 2018 , 189, 210-222		13
208	On Upscaling of Soil Microbial Processes and Biogeochemical Fluxes From Aggregates to Landscapes. 2018 , 123, 1526-1547		16
207	Quantifying air temperature evolution in the permafrost region from 1901 to 2014. 2018 , 38, 66-76		16
206	Early Holocene climate signals from stable isotope composition of ice wedges in the Chara Basin, northern Transbaikalia, Russia. 2018 , 9, 471-483		6
205	The role of driving factors in historical and projected carbon dynamics of upland ecosystems in Alaska. 2018 , 28, 5-27		19
204	Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape. <i>Journal of Hydrology</i> , 2018 , 556, 279-293	6	78
203	Thermal regime of warm-dry permafrost in relation to ground surface temperature in the Source Areas of the Yangtze and Yellow rivers on the Qinghai-Tibet Plateau, SW China. 2018 , 618, 1033-1045		69
202	Elevation-dependent thermal regime and dynamics of frozen ground in the Bayan Har Mountains, northeastern Qinghai-Tibet Plateau, southwest China. <i>Permafrost and Periglacial Processes</i> , 2018 , 29, 257-270	4.2	33
201	Automatic Mapping of Thermokarst Landforms from Remote Sensing Images Using Deep Learning: A Case Study in the Northeastern Tibetan Plateau. 2018 , 10, 2067		18
200	Plant community responses to changes in permafrost thaw depth in the Great Hingān Mountain Valleys, China. 2018 , 48, 273-281		3
199	Inconsistent Response of Arctic Permafrost Peatland Carbon Accumulation to Warm Climate Phases. 2018 , 32, 1605-1620		16
198	Characteristics and fate of isolated permafrost patches in coastal Labrador, Canada. 2018 , 12, 2667-2688		16
197	Land Cover Change in the Lower Yenisei River Using Dense Stacking of Landsat Imagery in Google Earth Engine. 2018 , 10, 1226		28
196	High riverine CO ₂ emissions at the permafrost boundary of Western Siberia. 2018 , 11, 825-829		40
195	Sediment characteristics of a thermokarst lagoon in the northeastern Siberian Arctic (Ivashkina Lagoon, Bykovsky Peninsula). 2018 , 4, 1		10
194	Temperature response of permafrost soil carbon is attenuated by mineral protection. 2018 , 24, 3401-3415		66
193	Increasing Alkalinity Export from Large Russian Arctic Rivers. 2018 , 52, 8302-8308		44

192	Towards an assessment of riverine dissolved organic carbon in surface waters of the western Arctic Ocean based on remote sensing and biogeochemical modeling. 2018 , 15, 1335-1346		12
191	Modeling Long-Term Permafrost Degradation. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018 , 123, 1756-1771	3.8	19
190	Substrate potential of last interglacial to Holocene permafrost organic matter for future microbial greenhouse gas production. 2018 , 15, 1969-1985		13
189	Ground surface temperature and the detection of permafrost in the rugged topography on NE Qinghai-Tibet Plateau. 2019 , 333, 57-68		20
188	Terrestrial systems of the Arctic as a model for growth and survival at low temperatures. 2019 , 1-21		2
187	Coupling of VAMPERS within iLOVECLIM: experiments during the LGM and Last Deglaciation. 2019 , 34, 215-227		2
186	Gas-emission craters of the Yamal and Gydan peninsulas: A proposed mechanism for lake genesis and development of permafrost landscapes. <i>Permafrost and Periglacial Processes</i> , 2019 , 30, 146	4.2	16
185	Scaling and balancing carbon dioxide fluxes in a heterogeneous tundra ecosystem of the Lena River Delta. 2019 , 16, 2591-2615		6
184	Isotopic compositions of ground ice in near-surface permafrost in relation to vegetation and microtopography at the Taiga-Tundra boundary in the Indigirka River lowlands, northeastern Siberia. 2019 , 14, e0223720		3
183	Permafrost variability over the Northern Hemisphere based on the MERRA-2 reanalysis. 2019 , 13, 2087-2110		14
182	The ecological impact of mineral exploitation in the Russian Arctic: A field-scale study of polycyclic aromatic hydrocarbons (PAHs) in permafrost-affected soils and lichens of the Yamal-Nenets autonomous region. 2019 , 255, 113239		19
181	Influence of snow cover on soil temperatures: Meso- and micro-scale topographic effects (a case study from the northern West Siberia discontinuous permafrost zone). 2019 , 183, 104224		10
180	Ecosystem carbon response of an Arctic peatland to simulated permafrost thaw. 2019 , 25, 1746-1764		24
179	Global warming weakening the inherent stability of glaciers and permafrost. 2019 , 64, 245-253		49
178	Arsenic in permafrost-affected rivers and lakes of Tibetan Plateau, China. 2019 , 31, 226-232		9
177	Evolution of the thermal state of permafrost under climate warming in Central Yakutia. 2019 , 29, 1401-1410		3
176	Evaluation of reanalysis air temperature products in permafrost regions on the Qinghai-Tibetan Plateau. 2019 , 138, 1457-1470		12
175	Ecosystem changes across a gradient of permafrost degradation in subarctic Quĕbec (Tasiapik Valley, Nunavik, Canada). 2019 , 5, 1-26		16

174	Assessment of climate change impacts on buildings, structures and infrastructure in the Russian regions on permafrost. 2019 , 14, 025003		78
173	Seasonal change of geochemical sources and processes in the Yenisei River: A Sr, Mg and Li isotope study. 2019 , 255, 222-236		11
172	Past and Projected Freezing/Thawing Indices in the Northern Hemisphere. 2019 , 58, 495-510		3
171	Biogeochemistry of dissolved carbon, major, and trace elements during spring flood periods on the Ob River. 2019 , 33, 1579-1594		13
170	Stability Conditions of Peat Plateaus and Palsas in Northern Norway. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019 , 124, 705-719	3.8	15
169	High carbon emissions from thermokarst lakes of Western Siberia. 2019 , 10, 1552		53
168	Water and energy transfer modeling in a permafrost-dominated, forested catchment of Central Siberia: The key role of rooting depth. <i>Permafrost and Periglacial Processes</i> , 2019 , 30, 75-89	4.2	17
167	Effects of the Freezing-Thawing Cycle Mode on Alpine Vegetation in the Nagqu River Basin of the Qinghai-Tibet Plateau. <i>Water (Switzerland)</i> , 2019 , 11, 2122	3	5
166	Permafrost landslides promote soil CO emission and hinder C accumulation. 2019 , 657, 351-364		16
165	Variations in soil temperature from 1980 to 2015 in permafrost regions on the Qinghai-Tibetan Plateau based on observed and reanalysis products. 2019 , 337, 893-905		49
164	Permafrost is warming at a global scale. 2019 , 10, 264		518
163	Modeling permafrost changes on the Qinghai-Tibetan plateau from 1966 to 2100: A case study from two boreholes along the Qinghai-Tibet engineering corridor. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 156-171	4.2	21
162	Dealing with the bust in Vorkuta, Russia. 2020 , 93, 103908		12
161	Northern Hemisphere Greening in Association With Warming Permafrost. 2020 , 125, e2019JG005086		12
160	Space-Based Observations for Understanding Changes in the Arctic-Boreal Zone. 2020 , 58, e2019RG000652		23
159	Spatiotemporal characteristics of hydrothermal processes of the active layer on the central and northern Qinghai-Tibet plateau. 2020 , 712, 136392		14
158	Major and trace elements in suspended matter of western Siberian rivers: First assessment across permafrost zones and landscape parameters of watersheds. 2020 , 269, 429-450		18
157	The impact of permafrost on carbon dioxide and methane fluxes in Siberia: A meta-analysis. 2020 , 182, 109096		19



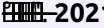



156	Engineering risk analysis in cold regions: State of the art and perspectives. <i>Cold Regions Science and Technology</i> , 2020 , 171, 102963	3.8	17
155	Using deep learning to map retrogressive thaw slumps in the Beiluhe region (Tibetan Plateau) from CubeSat images. 2020 , 237, 111534		33
154	A revised pan-Arctic permafrost soil Hg pool based on Western Siberian peat Hg and carbon observations. 2020 , 17, 3083-3097		15
153	Retrospective Analysis of Permafrost Landscape Evolution in Yakutia during the Holocene Warm Intervals. <i>Land</i> , 2020 , 9, 463	3.5	2
152	Lessons learned and questions raised during and post-COVID-19 anthropopause period in relation to the environment and climate. 2020 , 23, 1-23		2
151	Progress and Challenges in Studying Regional Permafrost in the Tibetan Plateau Using Satellite Remote Sensing and Models. 2020 , 8,		2
150	Temperature monitoring from 2012 to 2019 in central part of Suntar-Khayat Ridge, Russia. 2020 , 17, 2321-2338		2
149	Hydrological (in)stability in Southern Siberia during the Younger Dryas and early Holocene. 2020 , 195, 103333		3
148	Biogeochemical Processes in the Active Layer and Permafrost of a High Arctic Fjord Valley. 2020 , 8,		1
147	Degradation Characteristics and Bearing Capacity Model of Pile in Degraded Permafrost. 2020 , 1-44		
146	Transition from a Subaerial to a Subnival Permafrost Temperature Regime Following Increased Snow Cover (Livingston Island, Maritime Antarctic). 2020 , 11, 1332		1
145	35 Years of Vegetation and Lake Dynamics in the Pechora Catchment, Russian European Arctic. 2020 , 12, 1863		4
144	Influence of Climate Change on the Thermal Condition of Yakutia's Permafrost Landscapes (Chabyda Station). <i>Land</i> , 2020 , 9, 132	3.5	2
143	Snow depths' impact on soil microbial activities and carbon dioxide fluxes from a temperate wetland in Northeast China. <i>Scientific Reports</i> , 2020 , 10, 8709	4.9	3
142	Winter air temperature during the Holocene optimum in the north-eastern part of the east European plain based on ice wedge stable isotope records. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 281-295	4.2	2
141	Determination of Trace Amounts of Aliphatic Acids in Natural Waters Using Liquid-Liquid Extraction. 2020 , 75, 161-166		
140	Influence of Cryogenesis on Soil Biota on the Example of the Southern Part of the Vitim Plateau. 2020 , 13, 1-9		
139	Modeling Present and Future Permafrost Distribution at the Seward Peninsula, Alaska. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020 , 125, e2019JF005355	3.8	6

138	Emerging climate signals in the Lena River catchment: a non-parametric statistical approach. 2020 , 24, 2817-2839		1
137	Impact of Permafrost Thaw and Climate Warming on Riverine Export Fluxes of Carbon, Nutrients and Metals in Western Siberia. <i>Water (Switzerland)</i> , 2020 , 12, 1817	3	20
136	Permafrost aggradation along the emerging eastern coast of Hudson Bay, Nunavik (northern Québec, Canada). <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 128-140	4-2	7
135	Observations and modelling of ground temperature evolution in the discontinuous permafrost zone in Nadym, north-west Siberia. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 264-280	4-2	9
134	Permafrost response to land use and land cover change in the last millennium across the Northern Hemisphere. <i>Land Degradation and Development</i> , 2020 , 31, 1823-1836	4-4	2
133	Spatial and temporal variations in soil temperatures over the Qinghai-Tibet Plateau from 1980 to 2017 based on reanalysis products. 2020 , 140, 1055-1069		5
132	Potential mechanistic causes of increased baseflow across northern Eurasia catchments underlain by permafrost. 2020 , 34, 2676		13
131	Geochemical pollution of trace metals in permafrost-affected soil in the Russian Arctic marginal environment. 2020 , 42, 4407-4429		6
130	Multiple Ecosystem Effects of Extreme Weather Events in the Arctic. 2021 , 24, 122-136		12
129	Differences in local perceptions about climate and environmental changes among residents in a small community in Eastern Siberia. 2021 , 27, 100556		8
128	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. 2021 , 266, 128953		10
127	Mobilization of Geochemical Elements to Surface Water in the Active Layer of Permafrost in the Russian Arctic. 2021 , 57,		1
126	Process-based analysis of relative contributions to the multi-model warming projection over East Asia. 2021 , 56, 2729-2747		2
125	Are permafrost microorganisms as old as permafrost?. 2021 , 97,		7
124	Carbon emission from Western Siberian inland waters. 2021 , 12, 825		17
123	Diverging responses of high-latitude CO ₂ and CH ₄ emissions in idealized climate change scenarios. 2021 , 15, 1097-1130		4
122	Permafrost Organic Carbon Turnover and Export Into a High-Arctic Fjord: A Case Study From Svalbard Using Compound-specific ¹⁴ C Analysis. 2021 , 126, e2020JG006008		4
121	Mapping the Main Characteristics of Permafrost on the Basis of a Permafrost-Landscape Map of Yakutia Using GIS. <i>Land</i> , 2021 , 10, 462	3-5	2

120	The contribution of changing surface thermodynamics on twentieth and twenty-first century air temperatures over Eurasian permafrost. 2021 , 57, 933-952		1
119	Top-of-permafrost ground ice indicated by remotely sensed late-season subsidence. 2021 , 15, 2041-2055		7
118	Biogeochemistry of macrophytes, sediments and porewaters in thermokarst lakes of permafrost peatlands, western Siberia. 2021 , 763, 144201		7
117	Colloidal organic carbon and trace elements in peat porewaters across a permafrost gradient in Western Siberia. 2021 , 390, 114971		6
116	Timescales of the permafrost carbon cycle and legacy effects of temperature overshoot scenarios. 2021 , 12, 2688		4
115	Soil Diversity and Key Functional Characteristics of Yakutsk City: Largest Urbanized Cryogenic World's Ecosystem. <i>Energies</i> , 2021 , 14, 3819	3.1	1
114	First pan-Arctic assessment of dissolved organic carbon in lakes of the permafrost region. 2021 , 18, 3917-3936	3	
113	Spatiotemporal variations and regional differences in air temperature in the permafrost regions in the Northern Hemisphere during 1980-2018. 2021 , 791, 148358		4
112	Heterogeneous runoff trends in peatland-dominated basins throughout the circumpolar North. 2021 , 3, 075006		1
111	Thermal Regime and Variations in the Island Permafrost Near the Northern Permafrost Boundary in Xidatan, Qinghai-Tibet Plateau. 2021 , 9,		0
110	Thermokarst Lagoons: A Core-Based Assessment of Depositional Characteristics and an Estimate of Carbon Pools on the Bykovsky Peninsula. 2021 , 9,		3
109	Formation and evolution of suprapermafrost taliks beneath earth-filled embankments along the Qinghai-Tibet Railway in permafrost regions. <i>Cold Regions Science and Technology</i> , 2021 , 188, 103300	3.8	1
108	Permafrost dynamics and their hydrologic impacts over the Russian Arctic drainage basin. 2021 , 12, 482-498		4
107	Early Holocene permafrost retreat in West Siberia amplified by reorganization of westerly wind systems. 2021 , 2,		3
106	Permafrost changes in the Nanwenghe Wetlands Reserve on the southern slope of the Da Xing'anling-Yile'huli mountains, Northeast China. 2021 , 12, 696-709		6
105	Sizable carbon emission from the floodplain of Ob River. 2021 , 131, 108164		2
104	Desorption kinetics of heavy metals in the gleyic layer of permafrost-affected soils in Arctic region assessed by geochemical fractionation and DGT/DIFS. 2021 , 206, 105539		1
103	Impact process and mechanism of summertime rainfall on thermal-moisture regime of active layer in permafrost regions of central Qinghai-Tibet Plateau. 2021 , 796, 148970		5

102	Spatial Downscaling Based on Spectrum Analysis for Soil Freeze/Thaw Status Retrieved From Passive Microwave. 2021 , 1-11		0
101	Response of Permafrost Thermal Regime to Climate Change over Northern Hemisphere in the 21st Century. 2021 , 09, 87-101		
100	Geomorphic Change in Northern Canada. 200-221		2
99	From the Climates of the Past to the Climates of the Future. 2021 , 443-478		1
98	Future Trajectory of Arctic System Evolution. 2021 , 893-914		3
97	Impacts of Projected Changes in Climate on Hydrology. 2014 , 211-220		3
96	Rising vegetation activity dominates growing water use efficiency in the Asian permafrost region from 1900 to 2100. 2020 , 736, 139587		7
95	Evaluation and quantification of surface air temperature over Eurasia based on CMIP5 models. 2019 , 77, 167-180		9
94	Active-Layer Soil Moisture Content Regional Variations in Alaska and Russia by Ground-Based and Satellite-Based Methods, 2002 through 2014. 2015 , 06, 12-41		3
93	Energy and mass changes of the Eurasian permafrost regions by multi-satellite and in-situ measurements. 2011 , 03, 827-836		3
92	Short and long-term thermo-erosion of ice-rich permafrost coasts in the Laptev Sea region.		1
91	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers.		2
90	Baseline characteristics of climate, permafrost, and land cover from a new permafrost observatory in the Lena River Delta, Siberia (1998-2011).		12
89	LGM permafrost distribution: how well can the latest PMIP multi-model ensembles reconstruct?.		1
88	Onset of intense permafrost conditions in Northern Eurasia at ~2.55 Ma seen in a cryogenic weathering record from Lake El'gygytgyn.		3
87	A 16-year record (2002-2017) of permafrost, active-layer, and meteorological conditions at the Samoylov Island Arctic permafrost research site, Lena River delta, northern Siberia: an opportunity to validate remote-sensing data and land surface, snow, and permafrost models. <i>Earth System Science Data</i> , 2019 , 11, 261-299	10.5	38
86	The new database of the Global Terrestrial Network for Permafrost (GTN-P). <i>Earth System Science Data</i> , 2015 , 7, 245-259	10.5	70
85	The Global Terrestrial Network for Permafrost Database: metadata statistics and prospective analysis on future permafrost temperature and active layer depth monitoring site distribution.		3

84	Improved soil physics for simulating high latitude permafrost regions by the JSBACH terrestrial ecosystem model.	5
83	An improved representation of physical permafrost dynamics in the JULES land surface model.	2
82	Stability and biodegradability of humic substances from Arctic soils of Western Siberia: insights from ^{13}C -NMR spectroscopy and elemental analysis.	1
81	Modelling past and future permafrost conditions in Svalbard.	1
80	Modelling the temperature evolution of permafrost and seasonal frost in southern Norway during the 20th and 21st century.	7
79	Modelling borehole temperatures in Southern Norway – insights into permafrost dynamics during the 20th and 21st century.	1
78	Observing Muostakh Island disappear: erosion of a ground-ice-rich coast in response to summer warming and sea ice reduction on the East Siberian shelf.	7
77	Influence of urbanization on permafrost: a case study from Mohe County, northernmost China.	5
76	A ground temperature map of the North Atlantic permafrost region based on remote sensing and reanalysis data.	5
75	Seasonal Variations in Dissolved Organic Carbon in the Source Region of the Yellow River on the Tibetan Plateau. <i>Water (Switzerland)</i> , 2021 , 13, 2901	3 1
74	Spatial distribution of pingos in Northern Asia.	
73	Warming permafrost and active layer variability at Cime Bianche, Western Alps.	
72	Geocryological Risk: Conception and Estimation Algorithms. 2015 , 229-231	
71	The role of snow cover and soil freeze/thaw cycles affecting boreal-arctic soil carbon dynamics.	1
70	Future vegetation–climate interactions in Eastern Siberia: an assessment of the competing effects of CO_2 and secondary organic aerosols.	
69	 2017 , 213-216	
68	Climate Mediated Changes in Permafrost and Their Effects on Natural and Human Environments. 2017 , 477-512	1
67	References. 423-501	

66	Carbon Cycles in Forests. 2019 , 69-100		1
65	Building Stability On Permafrost In Vorkuta, Russia.		3
64	Mobilization of geochemical elements in the active layer of permafrost to surface water in Russian Arctic.		
63	Mobilization of geochemical elements in the active layer of permafrost to surface water in Russian Arctic.		
62	Ground Temperature and Active Layer Regimes and Changes. 2021 , 441-470		
61	Introduction. 2020 , 1-50		1
60	Response of Periglacial Geomorphic Processes to Global Change. 2020 ,		
59	Physical and chemical characteristics of 1300 lakes and ponds across the Canadian Arctic. 2020 , 79,		
58	Occurrence and stability of organic intercalation in clay minerals from permafrost-affected soils in the High Arctic [A case study from Spitsbergen (Svalbard)]. 2022 , 408, 115591		2
57	Sizable pool of labile organic carbon in peat and mineral soils of permafrost peatlands, western Siberia. 2022 , 409, 115601		1
56	A Review of the Existing Data on Soil-Freezing Experiments and Assessment of Soil-Freezing Curves Derived from Soil Water Retention Curves. 2022 , 36,		0
55	Landscape, Soil, Lithology, Climate and Permafrost Control on Dissolved Carbon, Major and Trace Elements in the Ob River, Western Siberia. <i>Water (Switzerland)</i> , 2021 , 13, 3189	3	2
54	Effect of increasing rainfall on the thermal moisture dynamics of permafrost active layer in the central Qinghai-Tibet Plateau. 2021 , 18, 2929-2945		3
53	Microbiological activity in the soils of pingos and thermokarst depressions in the south of the Vitim Plateau (Transbaikalia, Eastern Siberia). <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 908, 012036		0.3
52	Hydrological variability in southern Siberia and the role of permafrost degradation. <i>Journal of Hydrology</i> , 2021 , 604, 127203	6	2
51	Long-Term Variability in Ground Thermal State in Central Yakutia's Tuymaada Valley. <i>Land</i> , 2021 , 10, 1231	3.5	0
50	 -  -  - 2021 , 353		
49	 -  -  - 2021 , 78		

48	PERMAFROST PERMAFROST PERMAFROST PERMAFROST			
47	Climate warming and permafrost thaw in the Russian Arctic: potential economic impacts on public infrastructure by 2050. <i>Natural Hazards</i> , 1	3	7	
46	Changes in the permafrost environment under dual impacts of climate change and human activities in the Hola Basin, northern Da Xing'anling Mountains, Northeast China. <i>Land Degradation and Development</i> ,	4.4	0	
45	Global Warming: Is It (Im)Possible to Stop It? The Systems Thinking Approach. <i>Energies</i> , 2022 , 15, 705	3.1	1	
44	The changing thermal state of permafrost. <i>Nature Reviews Earth & Environment</i> , 2022 , 3, 10-23	30.2	16	
43	Freeze-thaw cycle frequency affects root growth of alpine meadow through changing soil moisture and nutrients.. <i>Scientific Reports</i> , 2022 , 12, 4436	4.9	0	
42	Permafrost, active layer, and meteorological data (2010-2020) at the Mahan Mountain relict permafrost site of northeastern Qinghai-Tibet Plateau. <i>Earth System Science Data</i> , 2022 , 14, 1257-1269	10.5	1	
41	Permafrost Landscape Research in the Northeast of Eurasia. <i>Earth</i> , 2022 , 3, 460-478	1	1	
40	Spatial and Temporal Variability of Permafrost in the Western Part of the Russian Arctic. <i>Energies</i> , 2022 , 15, 2311	3.1	0	
39	Emission of Methane and Carbon Dioxide during Soil Freezing without Permafrost. <i>Energies</i> , 2022 , 15, 2693	3.1		
38	The influence of permafrost processes and paludification on landscapes in mountain settings of the Upper Kolyma basin (Western Beringia). <i>Quaternary International</i> , 2022 , 616, 87-98	2		
37	Permafrost Thermal Dynamics and Cryostratigraphy at Villum Research Station, Station Nord, Eastern North Greenland (81°N). <i>Journal of Geophysical Research F: Earth Surface</i> , 2022 , 127,	3.8		
36	Permafrost: Formation and Distribution, Thermal and Mechanical Properties. 2013 , 346-366			
35	Changes in Unfrozen Water Contents in Warming Permafrost Soils. <i>Geosciences (Switzerland)</i> , 2022 , 12, 253	2.7		
34	Laboratory investigation on hydrothermal response of the open crushed-rock layer to rainfall infiltration in permafrost regions. <i>Cold Regions Science and Technology</i> , 2022 , 201, 103609	3.8	0	
33	Hydrochemistry of Medium-Size Pristine Rivers in Boreal and Subarctic Zone: Disentangling Effect of Landscape Parameters across a Permafrost, Climate, and Vegetation Gradient. <i>Water (Switzerland)</i> , 2022 , 14, 2250	3	0	
32	Modeling the Temperature Field in Frozen Soil under Buildings in the City of Salekhard Taking into Account Temperature Monitoring. <i>Land</i> , 2022 , 11, 1102	3.5	0	
31	Active Layer and Permafrost Investigations Using Geophysical and Geocryological Methods: A Case Study of the Khanovey Area, Near Vorkuta, in the NE European Russian Arctic. 10,		0	

30	Major, Trace and Rare Earth Element Distribution in Water, Suspended Particulate Matter and Stream Sediments of the Ob River Mouth. 2022 , 14, 2442	1
29	Microbial degradation of Pleistocene permafrost-sealed fossil mammal remains. 1-23	
28	Spatial distribution mapping of permafrost in Mongolia using TTOP.	0
27	Microbial life in ancient permafrost along a salinity gradient illuminated by metagenomics.	0
26	Continued Warming of the Permafrost Regions Over the Northern Hemisphere Under Future Climate Change. 2022 , 10,	0
25	The role of lake basin history on palynological records from the Upper Kolyma region (northeastern Siberia). 1-16	0
24	Impact of tundra vegetation type on topsoil temperature in central Spitsbergen (Svalbard, High Arctic). 2022 , 116196	1
23	Comprehensive Assessment of Seasonally Frozen Ground Changes in the Northern Hemisphere Based on Observations. 2022 , 127,	0
22	The importance of calcium and amorphous silica for arctic soil CO ₂ production. 10,	0
21	Water and heat coupling processes and its simulation in frozen soils: Current status and future research directions. 2023 , 222, 106844	0
20	A newly integrated ground temperature dataset of permafrost along the ChinaRussia crude oil pipeline route in Northeast China. 2022 , 14, 5093-5110	2
19	Impact of Climate Change on the Ground Thermal Regime in the Lower Lena Region, Arctic Central Siberia. 2023 , 12, 19	0
18	Monitoring the Permafrost Conditions along Pipeline Routes in Central Yakutia, Russia. 2022 , 11, 2331	0
17	Ice Volumes in Permafrost Landscapes of Arctic Yakutia. 2022 , 11, 2329	1
16	A snap-shot assessment of carbon emission and export in a pristine river draining permafrost peatlands (Taz River, Western Siberia). 10,	0
15	Bibliography. 2023 , 219-268	0
14	Hydrothermal conditions of southern and northern slope soils of northeastern Great Xing'an Mountain, China. 2023 , 45, 408-423	0
13	Interaction of permafrost degradation and thermokarst lakes in the QinghaiTibet Plateau. 2023 , 425, 108582	0

- 12 At the Dominion of the Disasters: Rural Communities of Yakutia in the Conditions of Floods of the Twentieth Century (on the Example of the Village of Khotochu, Zhemkonsky 1st Nasleg, Khangalassky District). **2022**, 20-42 ○
- 11 Microbial life in 25-m-deep boreholes in ancient permafrost illuminated by metagenomics. **2023**, 18, ○
- 10 Remotely sensed lake area changes in permafrost regions of the Arctic and the Tibetan Plateau between 1987 and 2017. **2023**, 880, 163355 ○
- 9 The Research of the Pipe Culvert Influence on Permafrost Base, Depending on the Wind Direction. **2023**, 2349-2358 ○
- 8 Seasonal Variations of Mineralogical and Chemical Composition of Particulate Matter in a Large Boreal River and Its Tributaries. **2023**, 15, 633 1
- 7 Remote Sensing of bare ice and dark ice on Greenland ice sheet. **2016**, 78, 391-400 ○
- 6 Pan-Arctic soil element bioavailability estimations. **2023**, 15, 1059-1075 ○
- 5 Response of soil hydrothermal processes within the active layer to variable alpine vegetation conditions on the Qinghai-Tibet Plateau. **2023**, ○
- 4 Permafrost-Affected Soils of the Alazeya River Basin: Properties, Mineralogy, and Classification. **2023**, 56, 111-121 ○
- 3 Hotspots and trends in frozen soils research in 2010-2019. **2023**, 34, 169-179 ○
- 2 Developing a new testate amoeba hydrological transfer function for permafrost peatlands of NW Siberia. **2023**, 308, 108067 ○
- 1 Thermal moisture dynamics and thermal stability of active layer in response to wet/dry conditions in the central region of the Qinghai-Tibet Plateau, China. **2023**, ○