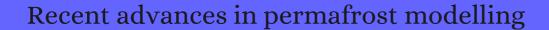
CITATION REPORT List of articles citing



DOI: 10.1002/ppp.615 Permafrost and Periglacial Processes, 2008, 19, 137-156.

Source: https://exaly.com/paper-pdf/43572405/citation-report.pdf

Version: 2024-04-24

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
297	Analysis on factors affecting the development of alpine permafrost in Central-Eastern Qilianshan Mountains, Northwest China. 2009 ,		
296	Permafrost and climate in Europe: Monitoring and modelling thermal, geomorphological and geotechnical responses. 2009 , 92, 117-171		419
295	Impacts of permafrost degradation on arctic river biogeochemistry. <i>Hydrological Processes</i> , 2009 , 23, 169-182	3.3	434
294	Meltwater infiltration into the frozen active layer at an alpine permafrost site. <i>Permafrost and Periglacial Processes</i> , 2010 , 21, 325-334	4.2	77
293	Shrub expansion may reduce summer permafrost thaw in Siberian tundra. 2010 , 16, 1296-1305		218
292	Mountain permafrost: development and challenges of a young research field. 2010 , 56, 1043-1058		113
291	Arctic Landscapes in Transition: Responses to Thawing Permafrost. 2010 , 91, 229-230		173
29 0	Possible role of wetlands, permafrost, and methane hydrates in the methane cycle under future climate change: A review. 2010 , 48,		157
289	Transient Modeling of Permafrost Dynamics in Changing Climate Scenarios. 2011 ,		
288	Local evaluation of the Interaction between Soil Biosphere Atmosphere soil multilayer diffusion scheme using four pedotransfer functions. 2011 , 116,		104
287	Encyclopedia of Snow, Ice and Glaciers. 2011 , 801-802		
286	Internal structure and permafrost distribution in two alpine periglacial talus slopes, Valais, Swiss Alps. 2011 , 132, 208-221		55
285	References. 358-457		
284	Sensitivity and path dependence of mountain permafrost systems. 2011 , 93, 113-135		14
283	Non-isothermal, three-phase simulations of near-surface flows in a model permafrost system under seasonal variability and climate change. 2011 , 403, 352-359		70
282	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
281	Modeling soil thermal and hydrological dynamics and changes of growing season in Alaskan terrestrial ecosystems. 2011 , 107, 481-510		24

280	Spatial and temporal variations of summer surface temperatures of high-arctic tundra on Svalbard Implications for MODIS LST based permafrost monitoring. 2011 , 115, 908-922		82
279	Modeling the thermal dynamics of the active layer at two contrasting permafrost sites on Svalbard and on the Tibetan Plateau. <i>Cryosphere</i> , 2011 , 5, 741-757	5.5	29
278	Permafrost degradation risk zone assessment using simulation models. <i>Cryosphere</i> , 2011 , 5, 1043-1056	5.5	30
277	Simulation of permafrost and seasonal thaw depth in the JULES land surface scheme. <i>Cryosphere</i> , 2011 , 5, 773-790	5.5	64
276	Modeling the impact of wintertime rain events on the thermal regime of permafrost. <i>Cryosphere</i> , 2011 , 5, 945-959	5.5	64
275	TopoSUB: a tool for efficient large area numerical modelling in complex topography at sub-grid scales. 2012 ,		
274	Simulation of Present-Day and Future Permafrost and Seasonally Frozen Ground Conditions in CCSM4. 2012 , 25, 2207-2225		173
273	Numerical modeling of permafrost dynamics in Alaska using a high spatial resolution dataset. <i>Cryosphere</i> , 2012 , 6, 613-624	5.5	122
272	Derivation and analysis of a high-resolution estimate of global permafrost zonation. <i>Cryosphere</i> , 2012 , 6, 221-233	5.5	312
271	Statistical modelling of ground temperature in mountain permafrost. 2012 , 468, 1472-1495		2
270	A statistical approach to modelling permafrost distribution in the European Alps or similar mountain ranges. <i>Cryosphere</i> , 2012 , 6, 125-140	5.5	91
269	TopoSUB: a tool for efficient large area numerical modelling in complex topography at sub-grid scales. <i>Geoscientific Model Development</i> , 2012 , 5, 1245-1257	6.3	31
268	Research Frontier in Periglacial Processes. 2012 , 121, 269-305		3
267	Year-round Monitoring of Shallow Ground Temperatures at High Altitudes of Mt. Fuji with a Critical Discussion on the Popular Belief of Rapid Permafrost Degradation. 2012 , 121, 306-331		5
266	A New Method to Determine the Upper Boundary Condition for a Permafrost Thermal Model: An Example from the Qinghai-Tibet Plateau. <i>Permafrost and Periglacial Processes</i> , 2012 , 23, 301-311	4.2	9
265	Future vegetation changes in thawing subarctic mires and implications for greenhouse gas exchange regional assessment. 2012 , 115, 379-398		27
264	Modelling and mapping permafrost at high spatial resolution in Wapusk National Park, Hudson Bay Lowlands1This article is one of a series of papers published in this CJES Special Issue on the theme of Fundamental and applied research on permafrost in Canada.2Earth Science Sector Contribution		36
263	20110058 2012 , 49, 925-937 Moisture and Heat. 2012, 35-72		

262	The variability of soil thermal and hydrological dynamics with vegetation cover in a permafrost region. 2012 , 162-163, 44-57		27	
261	Permafrost probability modeling above and below treeline, Yukon, Canada. <i>Cold Regions Science and Technology</i> , 2012 , 79-80, 92-106	3.8	13	
260	A comparison of permafrost prediction models along a section of Trail Ridge Road, Rocky Mountain National Park, Colorado, USA. 2012 , 138, 111-120		16	
259	Arctic RCM simulations of temperature and precipitation derived indices relevant to future frozen ground conditions. 2012 , 80-81, 136-148		9	
258	Permafrost Physical Aspects, Carbon Cycling, Databases and Uncertainties. 2012, 159-185		19	
257	A Permafrost Probability Model for the Southern Yukon and Northern British Columbia, Canada. <i>Permafrost and Periglacial Processes</i> , 2012 , 23, 52-68	4.2	40	
256	Research Perspectives on Unstable High-alpine Bedrock Permafrost: Measurement, Modelling and Process Understanding. <i>Permafrost and Periglacial Processes</i> , 2012 , 23, 80-88	4.2	46	
255	Modeling regional and local-scale permafrost distribution in Qinghai-Tibet Plateau using equivalent-elevation method. 2012 , 22, 278-287		8	
254	Active layer thickness variations on the Qinghaillibet Plateau under the scenarios of climate change. 2012 , 66, 849-857		37	
253	Spatial and thermal characteristics of mountain permafrost, northwest canada. 2012 , 94, 195-213		35	
252	A retrospective analysis of pan Arctic permafrost using the JULES land surface model. 2013 , 41, 1025-1	038	32	
251	Sensitivity of thermal parameters affecting cold-region ground-temperature predictions. 2013 , 68, 175	7-1772	2 5	
250	A Simple Thaw-Freeze Algorithm for a Multi-Layered Soil using the Stefan Equation. <i>Permafrost and Periglacial Processes</i> , 2013 , 24, 252-260	4.2	28	
249	8.15 Permafrost: Formation and Distribution, Thermal and Mechanical Properties. 2013 , 202-222		4	
248	8.28 The Glacial and Periglacial Research Frontier: Where from Here?. 2013, 479-499		4	
247	13.11 Response of Periglacial Geomorphic Processes to Global Change. 2013 , 176-189		2	
246	Modeled sensitivity of two alpine permafrost sites to RCM-based climate scenarios. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013 , 118, 780-794	3.8	35	
245	Modeling permafrost extension in a rock slope since the Last Glacial Maximum: Application to the large Sthilienne landslide (French Alps). 2013 , 198, 189-200		13	

244	Recent Advances in Mountain Permafrost Research. Permafrost and Periglacial Processes, 2013, 24, 99-	1047.2	47
243	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
242	Permafrost degradation and subsurface-flow changes caused by surface warming trends. 2013 , 21, 271	1-280	59
241	TopoSCALE: deriving surface fluxes from gridded climate data. 2013,		1
240	Modeling different freeze/thaw processes in heterogeneous landscapes of the Arctic polygonal tundra using an ecosystem model. 2013 ,		3
239	Analysis of Permafrost Thermal Dynamics and Response to Climate Change in the CMIP5 Earth System Models. 2013 , 26, 1877-1900		268
238	Modelling and mapping climate change impacts on permafrost at high spatial resolution for an Arctic region with complex terrain. <i>Cryosphere</i> , 2013 , 7, 1121-1137	5.5	32
237	The active layer: A conceptual review of monitoring, modelling techniques and changes in a warming climate. 2013 , 37, 352-376		50
236	Effects of Soil Moisture on the Responses of Soil Temperatures to Climate Change in Cold Regions*. 2013 , 26, 3139-3158		52
235	Influence of the physical terrestrial Arctic in the eco-climate system. 2013, 23, 1778-97		16
234	References. 409-430		
233	Simulating high-latitude permafrost regions by the JSBACH terrestrial ecosystem model. <i>Geoscientific Model Development</i> , 2014 , 7, 631-647	6.3	80
232	Freeze/thaw processes in complex permafrost landscapes of northern Siberia simulated using the		
	TEM ecosystem model: impact of thermokarst ponds and lakes. <i>Geoscientific Model Development</i> , 2014 , 7, 1671-1689	6.3	35
231		6.35.5	26
231	2014, 7, 1671-1689 A new approach to mapping permafrost and change incorporating uncertainties in ground		
	2014, 7, 1671-1689 A new approach to mapping permafrost and change incorporating uncertainties in ground conditions and climate projections. <i>Cryosphere</i> , 2014, 8, 2177-2194 Active-Layer Thickness across Alaska: Comparing Observation-Based Estimates with CMIP5 Earth		26
230	A new approach to mapping permafrost and change incorporating uncertainties in ground conditions and climate projections. <i>Cryosphere</i> , 2014 , 8, 2177-2194 Active-Layer Thickness across Alaska: Comparing Observation-Based Estimates with CMIP5 Earth System Model Predictions. 2014 , 78, 894-902 Assessing effects of permafrost thaw on C fluxes based on multiyear modeling across a permafrost		26

A simplified permafrost-carbon model for long-term climate studies with the CLIMBER-2 coupled 226 earth system model. 2014, Evaluation of LPM permafrost distribution in NE Asia reconstructed and downscaled from GCM 225 12 simulations. 2014, 43, 733-749 Spatial variability and landscape controls of near-surface permafrost within the Alaskan Yukon 224 2.2 River Basin. 2014, 119, 1244-1265 A simplified permafrost-carbon model for long-term climate studies with the CLIMBER-2 coupled 6.3 223 earth system model. Geoscientific Model Development, 2014, 7, 3111-3134 Modeling geothermal regime in the Qinghai-Tibet Plateau: an examination of the upper-boundary 222 1 condition. 2014, 7, 855-864 The impact of surface energy exchange on the thawing process of active layer over the northern 221 13 Qinghai Xizang Plateau, China. **2014**, 72, 2091-2099 Perspectives in Modelling Climate Hydrology Interactions. 2014, 35, 739-764 8 220 Distribution and changes of active layer thickness (ALT) and soil temperature (TTOP) in the source 219 38 area of the Yellow River using the GIPL model. 2014, 57, 1834-1845 Climate change impacts on groundwater and soil temperatures in cold and temperate regions: 218 152 Implications, mathematical theory, and emerging simulation tools. 2014, 138, 313-334 Impacts of surface soil organic content on the soil thermal dynamics of alpine meadows in 217 21 permafrost regions: data from field observations. 2014, 232-234, 414-425 Impact of degrading permafrost on subsurface solute transport pathways and travel times. 2015, 216 38 51, 7680-7701 Modeling impacts of changes in temperature and water table on C gas fluxes in an Alaskan 215 7 peatland. 2015, 120, 1279-1295 Modeling permafrost properties in the Qinghai-Xizang (Tibet) Plateau. 2015, 58, 2309-2326 214 20 Noah Modelling of the Permafrost Distribution and Characteristics in the West Kunlun Area, 213 4.2 Qinghai-Tibet Plateau, China. Permafrost and Periglacial Processes, 2015, 26, 160-174 Active Layer Thickness Prediction on the Western Antarctic Peninsula. Permafrost and Periglacial 212 4.2 10 Processes, 2015, 26, 188-199 . 2015, 18 211 Site-level model intercomparison of high latitude and high altitude soil thermal dynamics in tundra 210 5.5 32 and barren landscapes. Cryosphere, 2015, 9, 1343-1361 Geophysical mapping of palsa peatland permafrost. Cryosphere, 2015, 9, 465-478 209 42 5.5

(2016-2015)

208	Modeling hydrothermal transfer processes in permafrost regions of Qinghai-Tibet Plateau in China. 2015 , 25, 713-727		15
207	Distribution of near-surface permafrost in Alaska: Estimates of present and future conditions. 2015 , 168, 301-315		109
206	An improved representation of physical permafrost dynamics in the JULES land-surface model. <i>Geoscientific Model Development</i> , 2015 , 8, 1493-1508	6.3	66
205	Reconsidering the glacier to rock glacier transformation problem: New insights from the central Andes of Chile. 2015 , 238, 47-55		50
204	Remote sensing of water tracks. 2016 , 3, 106-122		8
203	Modelling the spatial distribution of permafrost in Labrador Ungava using the temperature at the top of permafrost. 2016 , 53, 1010-1028		15
202	Development of a rain-on-snow detection algorithm using passive microwave radiometry. <i>Hydrological Processes</i> , 2016 , 30, 3184-3196	3.3	16
201	Improved Stefan Equation Correction Factors to Accommodate Sensible Heat Storage during Soil Freezing or Thawing. <i>Permafrost and Periglacial Processes</i> , 2016 , 27, 189-203	4.2	24
200	Catchment-Scale Permafrost Mapping using Spring Water Characteristics. <i>Permafrost and Periglacial Processes</i> , 2016 , 27, 253-270	4.2	16
199	Thermal effects of groundwater flow through subarctic fens: A case study based on field observations and numerical modeling. 2016 , 52, 1591-1606		60
198	Influence of vertical and lateral heat transfer on permafrost thaw, peatland landscape transition, and groundwater flow. 2016 , 52, 1286-1305		79
197	Performance comparison of permafrost models in Wudaoliang Basin, Qinghai-Tibet Plateau, China. 2016 , 13, 1162-1173		11
196	Hydrologic Impacts of Thawing Permafrost& Review. 2016 , 15, vzj2016.01.0010		340
195	Estimating thawing depths and mean annual ground temperatures in the Khuvsgul region of Mongolia. 2016, 75, 1		4
194	Modelling and mapping permafrost at high spatial resolution using Landsat and Radarsat images in northern Ontario, Canada: part 1 Imodel calibration. 2016 , 37, 2727-2750		8
193	Permafrost Meta-Omics and Climate Change. 2016 , 44, 439-462		62
192	Application of multivariate storage model to quantify trends in seasonally frozen soil. 2016 , 8,		3
191	A multilayer soil texture dataset for permafrost modeling over Qinghai-Tibetan Plateau. 2016 ,		5

190	New gridded daily climatology of Finland: Permutation-based uncertainty estimates and temporal trends in climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 3807-3823	4.4	70
189	Mid-Holocene permafrost: Results from CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 221-240	4.4	8
188	Modeling the Arctic freshwater system and its integration in the global system: Lessons learned and future challenges. 2016 , 121, 540-566		59
187	Landform-related permafrost characteristics in the source area of the Yellow River, eastern Qinghai-Tibet Plateau. 2016 , 269, 104-111		24
186	Widespread permafrost vulnerability and soil active layer increases over the high northern latitudes inferred from satellite remote sensing and process model assessments. 2016 , 175, 349-358		58
185	Modelled Distribution and Temporal Evolution of Permafrost in Steep Rock Walls Along a Latitudinal Transect in Norway by CryoGrid 2D. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 172-182	4.2	19
184	Over-Winter Channel Bed Temperature Regimes Generated by Contrasting Snow Accumulation in a High Arctic River. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 339-346	4.2	8
183	Effects of local factors and climate on permafrost conditions and distribution in Beiluhe basin, Qinghai-Tibet Plateau, China. <i>Science of the Total Environment</i> , 2017 , 581-582, 472-485	10.2	48
182	Large-scale InSAR monitoring of permafrost freeze-thaw cycles on the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2017 , 44, 901-909	4.9	59
181	The Application and Evaluation of Simple Permafrost Distribution Models on the Qinghaillibet Plateau. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 391-404	4.2	22
180	Reply to Uxa (2016) Discussion on Active Layer Thickness Prediction on the Western Antarctic Peninsula by Wilhelm et al. (2015). <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 499-503	4.2	
179	Arctic permafrost landscapes in transition: towards an integrated Earth system approach. <i>Arctic Science</i> , 2017 , 3, 39-64	2.2	52
178	Detection of rain-on-snow (ROS) events and ice layer formation using passive microwave radiometry: A context for Peary caribou habitat in the Canadian Arctic. 2017 , 189, 84-95		31
177	Comparison of the thermal conductivity parameterizations for a freeze-thaw algorithm with a multi-layered soil in permafrost regions. 2017 , 156, 244-251		28
176	Permafrost distribution map of San Juan Dry Andes (Argentina) based on rock glacier sites. 2017 , 73, 42-49		12
175	Evaluation and enhancement of permafrost modeling with the NASA Catchment Land Surface Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017 , 9, 2771-2795	7.1	6
174	A Model for Quantifying Ground-Ice Volume, Yukon Coast, Western Arctic Canada. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 534-542	4.2	11
173	Impact of permafrost thaw on the turbidity regime of a subarctic river: the Sheldrake River, Nunavik, Quebec. <i>Arctic Science</i> , 2017 , 3, 451-474	2.2	3

(2018-2017)

172	Numerical Modeling of the Active Layer Thickness and Permafrost Thermal State Across Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 11,604-11,620	4.4	60
171	Freeze/Thaw-Induced Deformation Monitoring and Assessment of the Slope in Permafrost Based on Terrestrial Laser Scanner and GNSS. <i>Remote Sensing</i> , 2017 , 9, 198	5	24
170	Evaluation of the Plant Phenology Index (PPI), NDVI and EVI for Start-of-Season Trend Analysis of the Northern Hemisphere Boreal Zone. <i>Remote Sensing</i> , 2017 , 9, 485	5	61
169	A new map of permafrost distribution on the Tibetan Plateau. <i>Cryosphere</i> , 2017 , 11, 2527-2542	5.5	242
168	Soil moisture redistribution and its effect on inter-annual active layer temperature and thickness variations in a dry loess terrace in Adventdalen, Svalbard. <i>Cryosphere</i> , 2017 , 11, 635-651	5.5	24
167	ANN Model-Based Simulation of the Runoff Variation in Response to Climate Change on the Qinghai-Tibet Plateau, China. 2017 , 2017, 1-13		7
166	Increasing Winter Baseflow in Response to Permafrost Thaw and Precipitation Regime Shifts in Northeastern China. 2017 , 9, 25		31
165	Distributed snow and rock temperature modelling in steep rock walls using Alpine3D. <i>Cryosphere</i> , 2017 , 11, 585-607	5.5	21
164	Review article: Inferring permafrost and permafrost thaw in the mountains of the Hindu Kush Himalaya region. <i>Cryosphere</i> , 2017 , 11, 81-99	5.5	65
163	Climate change and the distribution of frozen soil in 1980\(\mathbb{0}\)010 in northern northeast China. 2018 , 467, 230-241		18
162	The impacts of climate change and human activities on alpine vegetation and permafrost in the Qinghai-Tibet Engineering Corridor. 2018 , 93, 24-35		49
161	Historical and future changes of frozen ground in the upper Yellow River Basin. 2018 , 162, 199-211		21
160	Environmental controls on ground temperature and permafrost in Labrador, northeast Canada. <i>Permafrost and Periglacial Processes</i> , 2018 , 29, 73-85	4.2	20
159	Difference between near-surface air, land surface and ground surface temperatures and their influences on the frozen ground on the Qinghai-Tibet Plateau. 2018 , 312, 74-85		57
158	Modelling present and future permafrost thermal regimes in Northeast Greenland. <i>Cold Regions Science and Technology</i> , 2018 , 146, 199-213	3.8	16
157	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. <i>Science of the Total Environment</i> , 2018 , 618, 1033-1045	10.2	69
156	PIC: Comprehensive R package for permafrost indices computing with daily weather observations and atmospheric forcing over the Qinghailibet Plateau. 2018 ,		
155	PIC v1.3: comprehensive R package for computing permafrost indices with daily weather observations and atmospheric forcing over the Qinghaillibet Plateau. <i>Geoscientific Model Development</i> , 2018 , 11, 2475-2491	6.3	5

154	CVPM 1.1: a flexible heat-transfer modeling system for permafrost. <i>Geoscientific Model Development</i> , 2018 , 11, 4889-4908	6.3	4
153	Numerical Mapping and Modeling Permafrost Thermal Dynamics across the Qinghai-Tibet Engineering Corridor, China Integrated with Remote Sensing. <i>Remote Sensing</i> , 2018 , 10, 2069	5	12
152	Monitoring and simulation of hydrothermal conditions indicating the deteriorating stability of a perennially frozen moraine dam in the Himalayas. 2018 , 64, 407-416		4
151	The European mountain cryosphere: a review of its current state, trends, and future challenges. <i>Cryosphere</i> , 2018 , 12, 759-794	5.5	244
150	Plant Traits are Key Determinants in Buffering the Meteorological Sensitivity of Net Carbon Exchanges of Arctic Tundra. 2018 , 123, 2675-2694		9
149	Permafrost Distribution along the Qinghai-Tibet Engineering Corridor, China Using High-Resolution Statistical Mapping and Modeling Integrated with Remote Sensing and GIS. <i>Remote Sensing</i> , 2018 , 10, 215	5	22
148	Assessment of LiDAR and Spectral Techniques for High-Resolution Mapping of Sporadic Permafrost on the Yukon-Kuskokwim Delta, Alaska. <i>Remote Sensing</i> , 2018 , 10, 258	5	10
147	GIS Applications in Geomorphology. 2018 , 81-111		8
146	Ground surface temperature and the detection of permafrost in the rugged topography on NE Qinghai-Tibet Plateau. 2019 , 333, 57-68		20
145	Permafrost zonation index map and statistics over the Qinghaillibet Plateau based on field evidence. <i>Permafrost and Periglacial Processes</i> , 2019 , 30, 178-194	4.2	17
144	Long-Term Permafrost Degradation and Thermokarst Subsidence in the Mackenzie Delta Area Indicated by Thaw Tube Measurements. 2019 ,		4
143	Simulation of soil thermal dynamics using an artificial neural network model for a permafrost alpine meadow on the Qinghailibetan plateau. <i>Permafrost and Periglacial Processes</i> , 2019 , 30, 195-207	4.2	3
142	Coupling of VAMPERS within iLOVECLIM: experiments during the LGM and Last Deglaciation. 2019 , 34, 215-227		2
141	The Role of Permafrost in Eurasian Land-Atmosphere Interactions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 11644-11660	4.4	8
140	Soil water freezing model with non-iterative energy balance accounting. 2019 , 578, 124071		1
139	Permafrost variability over the Northern Hemisphere based on the MERRA-2 reanalysis. <i>Cryosphere</i> , 2019 , 13, 2087-2110	5.5	14
138	Changing Arctic River Dynamics Cause Localized Permafrost Thaw. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019 , 124, 2324-2344	3.8	16
137	Permafrost Degradation within Eastern Chukotka CALM Sites in the 21st Century Based on CMIP5 Climate Models. 2019 , 9, 232		10

136	Impacts of Climate Change and Anthropogenic Activity on Permafrost Soils at Eielson Air Force Base, Alaska. 2019 , 33, 04019005		О
135	Time-Series InSAR Monitoring of Permafrost Freeze-Thaw Seasonal Displacement over Qinghaillibetan Plateau Using Sentinel-1 Data. <i>Remote Sensing</i> , 2019 , 11, 1000	5	23
134	New ground ice maps for Canada using a paleogeographic modelling approach. <i>Cryosphere</i> , 2019 , 13, 753-773	5.5	27
133	Hydro-thermal boundary conditions at different underlying surfaces in a permafrost region of the Qinghai-Tibet Plateau. <i>Science of the Total Environment</i> , 2019 , 670, 1190-1203	10.2	11
132	Three-dimensional distribution of permafrost and responses to increasing air temperatures in the head waters of the Yellow River in High Asia. <i>Science of the Total Environment</i> , 2019 , 666, 321-336	10.2	3
131	Improving Permafrost Modeling by Assimilating Remotely Sensed Soil Moisture. 2019 , 55, 1814-1832		13
130	Improving permafrost physics in the coupled Canadian Land Surface Scheme (v.3.6.2) and Canadian Terrestrial Ecosystem Model (v.2.1) (CLASS-CTEM). <i>Geoscientific Model Development</i> , 2019 , 12, 4443-446	6 9 .3	15
129	Modeling Conductive Heat Flow Between Steep Rock Walls and Talus Slopes IThermal Processes and Geomorphological Implications. 2019 , 7,		2
128	Cold Regions Engineering 2019. 2019 ,		
127	Transient Modelling of Permafrost Distribution in Iceland. 2019 , 7,		10
127 126	Transient Modelling of Permafrost Distribution in Iceland. 2019 , 7, Dissolved Organic Matter Chemistry and Transport Along an Arctic Tundra Hillslope. 2019 , 33, 47-62		10
126	Dissolved Organic Matter Chemistry and Transport Along an Arctic Tundra Hillslope. 2019 , 33, 47-62 Spatiotemporal changes of permafrost in the Headwater Area of the Yellow River under a changing	4.2	6
126	Dissolved Organic Matter Chemistry and Transport Along an Arctic Tundra Hillslope. 2019 , 33, 47-62 Spatiotemporal changes of permafrost in the Headwater Area of the Yellow River under a changing climate. 2020 , 31, 133-152 Modeling permafrost changes on the Qinghailibetan plateau from 1966 to 2100: A case study from two boreholes along the Qinghailibet engineering corridor. <i>Permafrost and Periglacial</i>	4.2	6
126 125 124	Dissolved Organic Matter Chemistry and Transport Along an Arctic Tundra Hillslope. 2019 , 33, 47-62 Spatiotemporal changes of permafrost in the Headwater Area of the Yellow River under a changing climate. 2020 , 31, 133-152 Modeling permafrost changes on the Qinghaillibetan plateau from 1966 to 2100: A case study from two boreholes along the Qinghaillibet engineering corridor. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 156-171 Assessment of rock glaciers and permafrost distribution in Uttarakhand, India. <i>Permafrost and</i>	•	6 11 21 6
126 125 124	Dissolved Organic Matter Chemistry and Transport Along an Arctic Tundra Hillslope. 2019, 33, 47-62 Spatiotemporal changes of permafrost in the Headwater Area of the Yellow River under a changing climate. 2020, 31, 133-152 Modeling permafrost changes on the Qinghailibetan plateau from 1966 to 2100: A case study from two boreholes along the Qinghailibet engineering corridor. Permafrost and Periglacial Processes, 2020, 31, 156-171 Assessment of rock glaciers and permafrost distribution in Uttarakhand, India. Permafrost and Periglacial Processes, 2020, 31, 31-56 Single-year thermal regime and inferred permafrost occurrence in the upper Ganglass catchment of	4.2	6 11 21 6
126 125 124 123	Dissolved Organic Matter Chemistry and Transport Along an Arctic Tundra Hillslope. 2019, 33, 47-62 Spatiotemporal changes of permafrost in the Headwater Area of the Yellow River under a changing climate. 2020, 31, 133-152 Modeling permafrost changes on the Qinghai libetan plateau from 1966 to 2100: A case study from two boreholes along the Qinghai libet engineering corridor. Permafrost and Periglacial Processes, 2020, 31, 156-171 Assessment of rock glaciers and permafrost distribution in Uttarakhand, India. Permafrost and Periglacial Processes, 2020, 31, 31-56 Single-year thermal regime and inferred permafrost occurrence in the upper Ganglass catchment of the cold-arid Himalaya, Ladakh, India. Science of the Total Environment, 2020, 703, 134631 The evolution of a near-surface ground thermal regime and modeled active-layer thickness on James Ross Island, Eastern Antarctic Peninsula, in 2006 2016. Permafrost and Periglacial Processes,	4.2	6 11 21 6

118	Characteristics of ground surface temperature at Chalaping in the Source Area of the Yellow River, northeastern Tibetan Plateau. 2020 , 281, 107819		35
117	Progress and Challenges in Studying Regional Permafrost in the Tibetan Plateau Using Satellite Remote Sensing and Models. 2020 , 8,		2
116	Geomorphology of the upper Kalguty Basin, Ukok Plateau, Russian Altai mountains. 2020 , 16, 595-604		О
115	A Review of Hydrological Models Applied in the Permafrost-Dominated Arctic Region. 2020 , 10, 401		4
114	Transportable system for on-site calibration of permafrost temperature sensors. <i>Permafrost and Periglacial Processes</i> , 2020 , 31, 610-620	4.2	2
113	Sensitivity of soil freeze/thaw dynamics to environmental conditions at different spatial scales in the central Tibetan Plateau. <i>Science of the Total Environment</i> , 2020 , 734, 139261	10.2	7
112	InSAR time series analysis of seasonal surface displacement dynamics on the Tibetan Plateau. <i>Cryosphere</i> , 2020 , 14, 1633-1650	5.5	12
111	Modeling permafrost distribution over the river basins of Mongolia using remote sensing and analytical approaches. 2020 , 79, 1		5
110	Simulating active layer temperature based on weather factors on the Qinghailibetan Plateau using ANN and wavelet-ANN models. <i>Cold Regions Science and Technology</i> , 2020 , 177, 103118	3.8	4
109	Sensitivity evaluation of the Kudryavtsev permafrost model. <i>Science of the Total Environment</i> , 2020 , 720, 137538	10.2	14
108	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
107	Ice loss in the Northeastern Tibetan Plateau permafrost as seen by 16 yr of ESA SAR missions. 2020 , 545, 116404		14
106	Climate Change Impacts on Cold Season Runoff in the Headwaters of the Yellow River Considering Frozen Ground Degradation. 2020 , 12, 602		2
105	Hydrological impacts of interannual variations in surface soil freezing processes in the upper NuBalween River basin. 2020 , 52, 1-12		3
104	A model for obtaining ground temperature from air temperature in permafrost regions on the Qinghai-Tibetan Plateau. 2020 , 189, 104470		6
103	Ground surface temperature variability and permafrost distribution over mountainous terrain in northern Mongolia. 2020 , 52, 13-26		5
102	On the configuration and initialization of a large-scale hydrological land surface model to represent permafrost. 2020 , 24, 349-379		6
101	Utilizing the TTOP model to understand spatial permafrost temperature variability in a High Arctic landscape, Cape Bounty, Nunavut, Canada. <i>Permafrost and Periglacial Processes</i> , 2021 , 32, 19-34	4.2	2

(2021-2021)

100	Permafrost existence is closely associated with soil organic matter preservation: Evidence from relationships among environmental factors and soil carbon in a permafrost boundary area. 2021 , 196, 104894		10
99	Simulation of the Present and Future Projection of Permafrost on the Qinghai-Tibet Plateau with Statistical and Machine Learning Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033402	4.4	20
98	Analyzing Changes in Frozen Soil in the Source Region of the Yellow River Using the MODIS Land Surface Temperature Products. <i>Remote Sensing</i> , 2021 , 13, 180	5	5
97	Mapping Frozen Ground in the Qilian Mountains in 2004\(\bar{\pi} \) 019 Using Google Earth Engine Cloud Computing. <i>Remote Sensing</i> , 2021 , 13, 149	5	6
96	Using floristic gradient mapping to assess seasonal thaw depth in interior Alaska. <i>Applied Vegetation Science</i> , 2021 , 24, e12561	3.3	1
95	Trends in Satellite Earth Observation for Permafrost Related Analyses A Review. <i>Remote Sensing</i> , 2021 , 13, 1217	5	6
94	Assessing the simulated soil hydrothermal regime of the active layer from the Noah-MP land surface model (v1.1) in the permafrost regions of the Qinghaillibet Plateau. <i>Geoscientific Model Development</i> , 2021 , 14, 1753-1771	6.3	4
93	A Framework for Modeling Rock Glaciers and Permafrost at the Basin-Scale in High Alpine Catchments. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2020MS002361	7.1	3
92	Does tall vegetation warm or cool the ground surface? Constraining the ground thermal impacts of upright vegetation in northern environments. <i>Environmental Research Letters</i> , 2021 , 16, 054077	6.2	3
91	Thermal metrology for climate: a review of projects, activities and open issues. <i>Measurement Science and Technology</i> , 2021 , 32, 102001	2	
90	The Cold Region Critical Zone in Transition: Responses to Climate Warming and Land Use Change. <i>Annual Review of Environment and Resources</i> , 2021 , 46,	17.2	4
89	A method for solving heat transfer with phase change in ice or soil that allows for large time steps while guaranteeing energy conservation. <i>Cryosphere</i> , 2021 , 15, 2541-2568	5.5	3
88	Seasonal InSAR Displacements Documenting the Active Layer Freeze and Thaw Progression in Central-Western Spitsbergen, Svalbard. <i>Remote Sensing</i> , 2021 , 13, 2977	5	4
87	Onshore Thermokarst Primes Subsea Permafrost Degradation. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093881	4.9	3
86	Numerical modelling of permafrost dynamics under climate change and evolving ground surface conditions: application to an instrumented permafrost mound at Umiujaq, Nunavik (QuBec), Canada. <i>Ecoscience</i> , 1-21	1.1	2
85	Standardized monitoring of permafrost thaw: a user-friendly, multi-parameter protocol. <i>Arctic Science</i> ,	2.2	O
84	Soil Temperature in Disturbed Ecosystems of Central Siberia: Remote Sensing Data and Numerical Simulation. <i>Forests</i> , 2021 , 12, 994	2.8	2
83	Modeling Aspect-Controlled Evolution of Ground Thermal Regimes on Montane Hillslopes. <i>Journal of Geophysical Research F: Earth Surface</i> , 2021 , 126, e2021JF006126	3.8	2

82	Non-Negligible Contribution to Seasonally Thawing Depth of Active Layer From Extreme Warming Events in the Tanggula Permafrost Region of Qinghai-Tibet Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035088	4.4	1
81	Modeling and mapping permafrost active layer thickness using field measurements and remote sensing techniques. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 102, 102455	7.3	1
80	An Estimate of Alpine Permafrost Distribution in the Southern Alps. Springer Theses, 2016, 77-155	0.1	1
79	Perspectives in Modelling ClimateHydrology Interactions. <i>Space Sciences Series of ISSI</i> , 2013 , 739-764	0.1	2
78	Relationships between declining summer sea ice, increasing temperatures and changing vegetation in the Siberian Arctic tundra from MODIS time series (2000🛮1). <i>Environmental Research Letters</i> , 2012 , 7, 044028	6.2	31
77	Mapping Vegetation and Seasonal Thaw Depth in Central Alaska Using Airborne Hyperspectral and LiDAR Data. 2020 ,		1
76	Air warming trends linked to permafrost warming in the sub-Arctic catchment of Tarfala, Sweden. <i>Polar Research</i> , 2016 , 35, 28978	2	3
75	A first estimate of permafrost distribution from BTS measurements in the Romanian Carpathians (Retezat Mountains). <i>Geomorphologie Relief, Processus, Environnement</i> , 2015 , 21, 297-312	0.7	5
74	Remote Sensing, Model-Derived and Ground Measurements of Snow Water Equivalent and Snow Density in Alaska. <i>International Journal of Geosciences</i> , 2012 , 03, 1127-1136	0.4	3
73	Improved soil physics for simulating high latitude permafrost regions by the JSBACH terrestrial ecosystem model.		5
72	An improved representation of physical permafrost dynamics in the JULES land surface model.		2
71	Numerical modelling of permafrost spring discharge and open-system pingo formation induced by basal permafrost aggradation. <i>Cryosphere</i> , 2020 , 14, 4627-4651	5.5	3
70	Evaluation of the ground surface Enthalpy balance from bedrock temperatures (Livingston Island, Maritime Antarctic). <i>Cryosphere</i> , 2009 , 3, 133-145	5.5	18
69	The influence of surface characteristics, topography and continentality on mountain permafrost in British Columbia. <i>Cryosphere</i> , 2015 , 9, 1025-1038	5.5	28
68	Permafrost degradation risk zone assessment using simulation models.		1
67	Simulation of permafrost and seasonal thaw depth in the JULES land surface scheme.		5
66	Derivation and analysis of a high-resolution estimate of global permafrost zonation.		1
65	Modeling the impact of wintertime rain events on the thermal regime of permafrost.		12

64	Modeling the thermal dynamics of the active layer at two contrasting permafrost sites.		2
63	Numerical modeling of permafrost dynamics in Alaska using a high spatial resolution dataset.		10
62	The influence of surface characteristics, topography, and continentality on mountain permafrost in British Columbia.		2
61	Site-level model intercomparison of high latitude and high altitude soil thermal dynamics in tundra and barren landscapes.		8
60	Geophysical mapping of palsa peatland permafrost.		1
59	Development of a coupled geophysical-geothermal scheme for quantification of hydrates in gas hydrate-bearing permafrost sediments. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 24249-24264	3.6	5
58	Spatial Distribution of Permafrost in the Xinglin Mountains of Northeast China from 2001 to 2018. Land, 2021 , 10, 1127	3.5	1
57	Impact of lateral groundwater flow on hydrothermal conditions of the active layer in a high-Arctic hillslope setting. <i>Cryosphere</i> , 2021 , 15, 4853-4871	5.5	3
56	Modelled Soil Temperature Sensitivity to Variable Snow and Vegetation Conditions in Low-Relief Coastal Mountains, Nunatsiavut and NunatuKavut, Labrador. 2021 ,		
55	A regional model to predict the distribution patterns of alpine permafrost in the western part of the Qilianshan Mountains, on the northeastern edge of the Qinghai-Tibetan Plateau.		
54	Transfer function models to quantify the delay between air and ground temperatures in thawed active layers.		1
53	Modelling and mapping climate change impacts on permafrost at high spatial resolution for a region with complex terrain.		
52	Encyclopedia of Complexity and Systems Science. 2014 , 1-22		
51	Assessing effects of permafrost thaw on C fluxes based on a multi-year modeling across a permafrost thaw gradient at Stordalen, Sweden.		
50	Responses of Boreal Forest Ecosystems and Permafrost to Climate Change and Disturbances: A Modeling Perspective. 2021 , 849-892		
49	Initialization of Thermal Models in Cold and Warm Permafrost. Arctic Science,	2.2	
48	Response of Periglacial Geomorphic Processes to Global Change. 2020,		
47	Change in global PFAS cycling as a response of permafrost degradation to climate change. <i>Journal of Hazardous Materials Advances</i> , 2022 , 5, 100039		O

46	The changing thermal state of permafrost. <i>Nature Reviews Earth & Environment</i> , 2022 , 3, 10-23	30.2	16
45	Hydrologic-land surface modelling of the Canadian sporadic-discontinuous permafrost: initialization and uncertainty propagation. <i>Hydrological Processes</i> ,	3.3	2
44	Permafrost in monitored unstable rock slopes in Norway Thew insights from temperature and surface velocity measurements, geophysical surveying, and ground temperature modelling. <i>Earth Surface Dynamics</i> , 2022 , 10, 97-129	3.8	0
43	Permafrost Ground Ice Melting and Deformation Time Series Revealed by Sentinel-1 InSAR in the Tanggula Mountain Region on the Tibetan Plateau. <i>Remote Sensing</i> , 2022 , 14, 811	5	2
42	Spatially characterizing land surface deformation and permafrost active layer thickness for Donnelly installation of Alaska using DInSAR and MODIS data. <i>Cold Regions Science and Technology</i> , 2022 , 196, 103510	3.8	О
41	New high-resolution estimates of the permafrost thermal state and hydrothermal conditions over the Northern Hemisphere. <i>Earth System Science Data</i> , 2022 , 14, 865-884	10.5	4
40	On the Spin-Up Strategy for Spatial Modeling of Permafrost Dynamics: A Case Study on the Qinghai-Tibet Plateau. <i>Journal of Advances in Modeling Earth Systems</i> , 2022 , 14,	7.1	0
39	Long-term energy balance measurements at three different mountain permafrost sites in the Swiss Alps. <i>Earth System Science Data</i> , 2022 , 14, 1531-1547	10.5	0
38	Seismic physics-based characterization of permafrost sites using surface waves. <i>Cryosphere</i> , 2022 , 16, 1157-1180	5.5	0
37	PermaBN: A Bayesian Network framework to help predict permafrost thaw in the Arctic. <i>Ecological Informatics</i> , 2022 , 69, 101601	4.2	
36	Presentation_1.PPTX. 2019 ,		
35	Presentation_2.PPTX. 2019 ,		
34	Presentation_3.PPTX. 2019 ,		
33	Presentation_4.PPTX. 2019 ,		
32	Presentation_5.PPTX. 2019 ,		
31	Presentation_6.PPTX. 2019 ,		
30	Presentation_7.PPTX. 2019 ,		
29	Presentation_8.PPTX. 2019 ,		

28 Presentation_9.PPTX. **2019**,

27	Numerical simulation of thaw settlement and permafrost changes at three sites along the Qinghai-Tibet Engineering Corridor in a warming climate. <i>Geophysical Research Letters</i> ,	4.9	О
26	Interannual and seasonal variations of permafrost thaw depth on the Qinghai-Tibetan plateau: A comparative study using long short-term memory, convolutional neural networks, and random forest Science of the Total Environment, 2022, 155886	10.2	1
25	Permafrost: Formation and Distribution, Thermal and Mechanical Properties. 2013, 346-366		
24	Permafrost degradation is accelerating beneath the bottom of Yanhu Lake in the Hoh Xil, Qinghai-Tibet Plateau. <i>Science of the Total Environment</i> , 2022 , 838, 156045	10.2	1
23	Surface Temperature Inversion Characteristics in Dissimilar Valleys, Yukon Canada. Arctic Science,	2.2	
22	Assessment and projection of ground freezing hawing responses to climate change in the Upper Heihe River Basin, Northwest China. <i>Journal of Hydrology: Regional Studies</i> , 2022 , 42, 101137	3.6	О
21	Influence of ecosystem and disturbance on near-surface permafrost distribution, What∏Northwest Territories, Canada.		
20	Spatial distribution mapping of permafrost in Mongolia using TTOP.		0
19	Spatial and temporal characteristics of the site-specific N-factor over the Qinghai-Tibet Plateau. 2023 , 205, 103684		О
18	Observed permafrost thawing and disappearance near the altitudinal limit of permafrost in the Qilian Mountains. 2022 ,		O
17	Influence of Snowpack Cold Content on Seasonally Frozen Ground and Its Hydrologic Consequences: A Case Study From Niwot Ridge, CO. 2022 , 58,		O
16	The importance of topographic gradients in alpine permafrost modeling. 2022, 104321		0
15	Modeling Heat Transfer through Permafrost Soil Subjected to Seasonal Freeze-Thaw. 2022 , 11, 1770		O
14	Changes in near-surface permafrost temperature and active layer thickness in Northeast China in 1961 2020 based on GIPL model. 2022 , 103709		0
13	Evaluating simplifications of subsurface process representations for field-scale permafrost hydrology models. 2022 , 16, 4141-4162		O
12	Modelling Permafrost Characteristics and Its Relationship with Environmental Constraints in the Gaize Area, Qinghai-Tibet Plateau, China. 2022 , 14, 5610		0
11	Water and heat coupling processes and its simulation in frozen soils: Current status and future research directions. 2023 , 222, 106844		0

10	Quantified spatial-temporal variation of the fine-scale frozen soils during 1980\(\textbf{2}\)014 in the headwaters of the Yellow River (HWYR) in High Mountain Asia. 2023, 222, 106836	O
9	Simulating the current and future northern limit of permafrost on the Qinghaillibet Plateau. 2022 , 16, 4823-4846	o
8	Surface-based temperature inversion characteristics and impact on surface air temperatures in northwestern Canada from radiosonde data between 1990 and 2016.	0
7	Bibliometric Analysis of the Permafrost Research: Developments, Impacts, and Trends. 2023 , 15, 234	O
6	Ground Surface Freezing and Thawing Index Distribution in the Qinghai-Tibet Engineering Corridor and Factors Analysis Based on GeoDetector Technique. 2023 , 15, 208	0
5	A calculation model for the spatial distribution and reserves of ground ice - A case study of the Northeast China permafrost area. 2023 , 315, 107022	1
4	Simulation of Freezellhaw and Melting of Buried Ice in Longbasaba Moraine Dam in the Central Himalayas Between 1959 and 2100 Using COMSOL Multiphysics. 2023 , 128,	0
3	The Arctic Amplification and Its Impact: A Synthesis through Satellite Observations. 2023 , 15, 1354	o
2	Challenges in Hydrologic-Land Surface Modeling of Permafrost Signatures A Canadian Perspective. 2023 , 15,	0
1	An Arctic delta reduced-complexity model and its reproduction of key geomorphological structures. 2023 , 11, 259-285	O