

CITATION REPORT

List of articles citing

A framework for broad-scale classification of hydrologic response units on the Boreal Plain: is topography the last thing to consider?

DOI: 10.1002/hyp.5881

Hydrological Processes, 2005, 19, 1705-1714.

Source: <https://exaly.com/paper-pdf/38331287/citation-report.pdf>

Version: 2024-04-27

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
251	Localisation of phonons. 1985 , 18, 4873-4884		29
250	Setting, implementing, and monitoring targets as a basis for adaptive management: a Canadian forestry case study. 2001 , 352-392		2
249	Hydrological effects on carbon cycles of Canada's forests and wetlands. 2006 , 58, 16-30		37
248	Mapping first-order controls on streamflow from drainage basins: the T3 template. <i>Hydrological Processes</i> , 2006 , 20, 3415-3422	3.3	73
247	Carbon burial and infill rates in small Western Boreal lakes: physical factors affecting carbon storage. 2006 , 63, 711-720		9
246	Relation of soil-, surface-, and ground-water distributions of inorganic nitrogen with topographic position in harvested and unharvested portions of an aspen-dominated catchment in the Boreal Plain. 2006 , 36, 2090-2103		17
245	Review of classification systems and new multi-scale typology of groundwater-surface water interaction. <i>Journal of Hydrology</i> , 2007 , 344, 1-16	6	121
244	Simulations of fully coupled lake-groundwater exchange in a subhumid climate with an integrated hydrologic model. <i>Water Resources Research</i> , 2007 , 43,	5.4	60
243	Scale-dependence of natural variability of flow regimes in a forested landscape. <i>Water Resources Research</i> , 2007 , 43,	5.4	25
242	Understanding variation in trophic status of lakes on the Boreal Plain: A 20-year retrospective using Landsat TM imagery. 2007 , 109, 127-141		49
241	Characterizing hydrodynamics on boreal landscapes using archived synthetic aperture radar imagery. <i>Hydrological Processes</i> , 2008 , 22, 1687-1699	3.3	40
240	Growing season energy and water exchange from an oil sands overburden reclamation soil cover, Fort McMurray, Alberta, Canada. <i>Hydrological Processes</i> , 2008 , 22, 2847-2857	3.3	30
239	Lateral flow thresholds for aspen forested hillslopes on the Western Boreal Plain, Alberta, Canada. <i>Hydrological Processes</i> , 2008 , 22, 4287-4300	3.3	48
238	Forest floor carbon dioxide fluxes within an upland-peatland complex in the Western Boreal Plain, Canada. <i>Ecohydrology</i> , 2008 , 1, 361-376	2.5	14
237	Creating new landscapes and ecosystems: the Alberta Oil Sands. 2008 , 1134, 120-45		72
236	Interannual variability in trophic status of shallow lakes on the Boreal Plain: Is there a climate signal?. <i>Water Resources Research</i> , 2008 , 44,	5.4	11
235	Spatial heterogeneity in trophic status of shallow lakes on the Boreal Plain: Influence of hydrologic setting. <i>Water Resources Research</i> , 2008 , 44,	5.4	12

234	Detecting characteristic hydrological and biogeochemical signals through nonparametric scatter plot analysis of normalized data. <i>Water Resources Research</i> , 2008 , 44,	5-4	2
233	Incorporating hydrologic dynamics into buffer strip design on the sub-humid Boreal Plain of Alberta. 2008 , 256, 1984-1994		21
232	Sensitivity of catchment-aggregated estimates of soil carbon dioxide efflux to topography under different climatic conditions. 2008 , 113,		18
231	Controls on the spatial distribution of soil moisture and solute transport in a sloping reclamation cover. 2008 , 45, 351-366		27
230	Improving forest operations planning through high-resolution flow-channel and wet-areas mapping. <i>Forestry Chronicle</i> , 2008 , 84, 568-574	1	37
229	Advances in Canadian Forest Hydrology, 2003-2007. 2009 , 34, 113-126		17
228	A spatially explicit hydro-ecological modeling framework (BEPS-TerrainLab V2.0): Model description and test in a boreal ecosystem in Eastern North America. <i>Journal of Hydrology</i> , 2009 , 367, 200-216	6	43
227	Revisiting Hydrologic Sampling Strategies for an Accurate Assessment of Hydrologic Connectivity in Humid Temperate Systems. 2009 , 3, 350-374		81
226	Inter-catchment comparison to assess the influence of topography and soils on catchment transit times in a geomorphic province; the Cairngorm mountains, Scotland. <i>Hydrological Processes</i> , 2009 , 23, 1874-1886	3-3	107
225	Precipitation variability and its relationship to hydrologic variability in Alberta. <i>Hydrological Processes</i> , 2009 , 23, 3040-3056	3-3	44
224	Advances in Canadian Research Coupling Hydrology and Water Quality, 2003-2007. 2009 , 34, 187-194		1
223	Contrasting responses of dimictic and polymictic lakes to environmental change: a spatial and temporal study. 2010 , 72, 97-115		20
222	Hysteretic freezing characteristics of riparian peatlands in the Western Boreal Forest of Canada. <i>Hydrological Processes</i> , 2010 , 24, 1027-1038	3-3	27
221	Surface vegetation controls on evapotranspiration from a sub-humid Western Boreal Plain wetland. <i>Hydrological Processes</i> , 2010 , 24, 1072-1085	3-3	68
220	Mechanisms and pathways of lateral flow on aspen-forested, Luvisolic soils, Western Boreal Plains, Alberta, Canada. <i>Hydrological Processes</i> , 2010 , 24, 2995-3010	3-3	21
219	Catchment processes and heterogeneity at multiple scales—benchmarking observations, conceptualization and prediction. <i>Hydrological Processes</i> , 2010 , 24, 2203-2208	3-3	22
218	How old is streamwater? Open questions in catchment transit time conceptualization, modelling and analysis. <i>Hydrological Processes</i> , 2010 , 24, 1745-1754	3-3	243
217	Inter-comparison of hydro-climatic regimes across northern catchments: synchronicity, resistance and resilience. <i>Hydrological Processes</i> , 2010 , 24, 3591-3602	3-3	88

216	Inter-annual variations in water yield to lakes in northeastern Alberta: implications for estimating critical loads of acidity. 2010 , 69, 126		24
215	Site-specific estimates of water yield applied in regional acid sensitivity surveys across western Canada. 2010 , 69, 67		25
214	Toward a dynamic representation of hydrological connectivity at the hillslope scale in semiarid areas. <i>Water Resources Research</i> , 2010 , 46,	5-4	31
213	Hillslope hydrologic connectivity controls riparian groundwater turnover: Implications of catchment structure for riparian buffering and stream water sources. <i>Water Resources Research</i> , 2010 , 46,	5-4	145
212	Comprehensive conservation planning to protect biodiversity and ecosystem services in Canadian boreal regions under a warming climate and increasing exploitation. 2010 , 143, 1571-1586		88
211	Regionalization of Runoff Variability of Alberta, Canada, by Wavelet, Independent Component, Empirical Orthogonal Function, and Geographical Information System Analyses. 2011 , 16, 93-107		11
210	Characterizing vegetation structural and topographic characteristics sampled by eddy covariance within two mature aspen stands using lidar and a flux footprint model: Scaling to MODIS. 2011 , 116,		29
209	Effects of watershed topography, soils, land use, and climate on baseflow hydrology in humid regions: A review. 2011 , 35, 465-492		304
208	Hydrological landscape classification: investigating the performance of HAND based landscape classifications in a central European meso-scale catchment. 2011 , 15, 3275-3291		100
207	Relative influence of local- and landscape-level habitat quality on aquatic plant diversity in shallow open-water wetlands in Alberta's boreal zone: direct and indirect effects. 2011 , 26, 1023-1034		18
206	Some relationships between lithology, basin form and hydrology: a case study from the Thames basin, UK. <i>Hydrological Processes</i> , 2011 , 25, 2518-2530	3-3	36
205	Hydrological principles for sustainable management of forest ecosystems. <i>Hydrological Processes</i> , 2011 , 25, 2152-2160	3-3	19
204	Streamflow response to headwater reforestation in the Ganaraska River basin, southern Ontario, Canada. <i>Hydrological Processes</i> , 2011 , 25, n/a-n/a	3-3	9
203	Aspect and soil textural controls on snowmelt runoff on forested Boreal Plain hillslopes. 2011 , 42, 250-267		25
202	Land classification based on hydrological landscape units. 2011 ,		
201	Non-Newtonian Power-Law Fluid Flow over a Shrinking Sheet. 2012 , 29, 114703		2
200	A Raman Study of the Origin of Oxygen Defects in Hexagonal Manganite Thin Films. 2012 , 29, 126103		9
199	Energy balance closure at the BERMS flux towers in relation to the water balance of the White Gull Creek watershed 1999-2009. 2012 , 153, 3-13		88

198	Defining protected area boundaries based on vascular-plant species richness using hydrological information derived from archived satellite imagery. 2012 , 147, 143-152		10
197	The accuracy of land cover-based wetland assessments is influenced by landscape extent. 2012 , 27, 1321-1335		38
196	Prediction of Streamflow Regime and Annual Runoff for Ungauged Basins Using a Distributed Monthly Water Balance Model ¹ . 2012 , 48, 32-42		13
195	Estimating groundwater recharge through unsaturated flow modelling: Sensitivity to boundary conditions and vertical discretization. <i>Journal of Hydrology</i> , 2012 , 452-453, 90-101	6	36
194	A new approach for linking event-based upland sediment sources to downstream suspended sediment transport. 2012 , 37, 169-179		16
193	A temperature-precipitation-based model of thirty-year mean snowpack accumulation and melt in Oregon, USA. <i>Hydrological Processes</i> , 2012 , 26, 741-759	3.3	14
192	Effects of Agricultural Encroachment and Drought on Wetlands and Shallow Lakes in the Boreal Transition Zone of Canada. 2013 , 33, 17-28		24
191	Concepts of hydrological connectivity: Research approaches, pathways and future agendas. 2013 , 119, 17-34		331
190	Carbon in Canada's boreal forest [A synthesis]. 2013 , 21, 260-292		170
189	Towards a unified threshold-based hydrological theory: necessary components and recurring challenges. <i>Hydrological Processes</i> , 2013 , 27, 313-318	3.3	50
188	Insight into the extraction mechanism of polymeric ionic liquid sorbent coatings in solid-phase microextraction. 2013 , 1298, 146-51		32
187	Modeling CO ₂ and CH ₄ flux changes in pristine peatlands of Finland under changing climate conditions. 2013 , 263, 64-80		27
186	Contrasting changes in surface waters and barrens over the past 60 years for a subarctic forest-tundra site in northern Manitoba based on remote sensing imagery. 2013 , 50, 967-977		5
185	Oregon Hydrologic Landscapes: A Classification Framework ¹ . 2013 , 49, 163-182		35
184	Moving Toward Consistent ALS Monitoring of Forest Attributes across Canada. 2013 , 79, 159-173		16
183	Sources and fate of terrestrial dissolved organic carbon in lakes of a Boreal Plains region recently affected by wildfire. <i>Biogeosciences</i> , 2013 , 10, 6247-6265	4.6	29
182	Reforestation [Climate change and water resource implications. <i>Forestry Chronicle</i> , 2014 , 90, 516-524	1	6
181	Influence of the permafrost boundary on dissolved organic matter characteristics in rivers within the Boreal and Taiga plains of western Canada. 2014 , 9, 035005		27

180	A NEW LOOK AT SPITZER PRIMARY TRANSIT OBSERVATIONS OF THE EXOPLANET HD 189733b. 2014 , 786, 22		42
179	Obituary for Moshe Shapiro. 2014 , 47, 070402		
178	Climatic and hydrologic processes leading to wetland losses in Yellowstone National Park, USA. <i>Journal of Hydrology</i> , 2014 , 510, 340-352	6	10
177	Precipitation-Induced Alternative Regime Switches in Shallow Lakes of the Boreal Plains (Alberta, Canada). 2014 , 17, 535-549		15
176	Water Balances of Two Piedmont Headwater Catchments: Implications for Regional Hydrologic Landscape Classification. 2014 , 50, 1063-1079		2
175	Evaluating the use of spatially varying versus bulk average 3D vegetation structural inputs to modelled evapotranspiration within heterogeneous land cover types. <i>Ecohydrology</i> , 2014 , 7, 1545-1559	2.5	13
174	Burned and unburned peat water repellency: Implications for peatland evaporation following wildfire. <i>Journal of Hydrology</i> , 2014 , 513, 335-341	6	34
173	Organizing groundwater regimes and response thresholds by soils: A framework for understanding runoff generation in a headwater catchment. <i>Water Resources Research</i> , 2014 , 50, 8403-8419	5.4	35
172	Searching for similarity in topographic controls on carbon, nitrogen and phosphorus export from forested headwater catchments. <i>Hydrological Processes</i> , 2014 , 28, 3201-3216	3.3	27
171	Atmospheric and soil moisture controls on evapotranspiration from above and within a Western Boreal Plain aspen forest. <i>Hydrological Processes</i> , 2014 , 28, 4449-4462	3.3	49
170	When interflow also percolates: downslope travel distances and hillslope process zones. <i>Hydrological Processes</i> , 2014 , 28, 3195-3200	3.3	25
169	Growing season water balance of wetland reclamation test cells, Fort McMurray, Alberta. <i>Hydrological Processes</i> , 2014 , 28, 4363-4376	3.3	3
168	Storage dynamics in hydrogeological units control hillslope connectivity, runoff generation, and the evolution of catchment transit time distributions. <i>Water Resources Research</i> , 2014 , 50, 969-985	5.4	179
167	Evaluating the relationship between topography and groundwater using outputs from a continental-scale integrated hydrology model. <i>Water Resources Research</i> , 2015 , 51, 6602-6621	5.4	85
166	The changing water cycle: the Boreal Plains ecozone of Western Canada. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015 , 2, 505-521	5.7	45
165	Global Maps of Streamflow Characteristics Based on Observations from Several Thousand Catchments*. 2015 , 16, 1478-1501		100
164	Resistance to drought affects persistence of alternative regimes in shallow lakes of the Boreal Plains (Alberta, Canada). 2015 , 60, 2084-2099		9
163	Refining understanding of hydrological connectivity in a boreal catchment. <i>Hydrological Processes</i> , 2015 , 29, 3491-3503	3.3	28

162	Groundwater and surface water influences on streamflow in a mesoscale Precambrian Shield catchment. <i>Hydrological Processes</i> , 2015 , 29, 3941-3953	3-3	11
161	Maintaining Ecosystem Function by Restoring Forest Biodiversity [Reviewing Decision-Support Tools that link Biology, Hydrology and Geochemistry. 2015 ,		1
160	Where does streamwater come from in low-relief forested watersheds? A dual-isotope approach. 2015 , 19, 125-135		45
159	The importance of tree species and soil taxonomy to modeling forest soil carbon stocks in Canada. 2015 , 4, 114-125		12
158	Tracer-based assessment of flow paths, storage and runoff generation in northern catchments: a review. <i>Hydrological Processes</i> , 2015 , 29, 3475-3490	3-3	113
157	Global pattern for the effect of climate and land cover on water yield. 2015 , 6, 5918		155
156	Stable carbon isotope analysis reveals widespread drought stress in boreal black spruce forests. 2015 , 21, 3102-13		81
155	Impacts and prognosis of natural resource development on water and wetlands in Canada—boreal zone. 2015 , 23, 78-131		50
154	Quantitative assessment of groundwater controls across major US river basins using a multi-model regression algorithm. 2015 , 82, 106-123		13
153	Megaproject reclamation and climate change. 2015 , 5, 963-966		17
152	Utikuma Region Study Area (URSA) [Part 1: Hydrogeological and ecohydrological studies (HEAD). <i>Forestry Chronicle</i> , 2016 , 92, 57-61	1	16
151	From spatially variable streamflow to distributed hydrological models: Analysis of key modeling decisions. <i>Water Resources Research</i> , 2016 , 52, 954-989	5-4	59
150	Moss and peat hydraulic properties are optimized to maximize peatland water use efficiency. <i>Ecohydrology</i> , 2016 , 9, 1039-1051	2.5	16
149	Assessment of the impact of spatio-temporal attributes of wetlands on stream flows using a hydrological modelling framework: a theoretical case study of a watershed under temperate climatic conditions. <i>Hydrological Processes</i> , 2016 , 30, 1768-1781	3-3	33
148	Multi-year water balance assessment of a newly constructed wetland, Fort McMurray, Alberta. <i>Hydrological Processes</i> , 2016 , 30, 2739-2753	3-3	29
147	Snow hydrology of a constructed watershed in the Athabasca oil sands region, Alberta, Canada. <i>Hydrological Processes</i> , 2016 , 30, 2546-2561	3-3	20
146	Groundwater connectivity controls peat burn severity in the boreal plains. <i>Ecohydrology</i> , 2016 , 9, 574-584.5		42
145	Moving beyond bioclimatic envelope models: integrating upland forest and peatland processes to predict ecosystem transitions under climate change in the western Canadian boreal plain. <i>Ecohydrology</i> , 2016 , 9, 899-908	2.5	23

144	Global-scale regionalization of hydrologic model parameters. <i>Water Resources Research</i> , 2016 , 52, 3599-3622	3622	167
143	Hydrologic Landscape Characterization for the Pacific Northwest, USA. 2016 , 52, 473-493		13
142	. 2016 , 9, 3578-3587		
141	Spatial patterns of sediment dynamics within a medium-sized watershed over an extreme storm event. 2016 , 267, 25-36		3
140	Total and methyl mercury concentrations in sediment and water of a constructed wetland in the Athabasca Oil Sands Region. 2016 , 213, 628-637		17
139	Constructing fen peatlands in post-mining oil sands landscapes: Challenges and opportunities from a hydrological perspective. 2016 , 161, 130-139		48
138	Comparison of the hydrological role of two reclaimed slopes of different ages in the Athabasca oil sands region, Alberta, Canada. 2016 , 53, 1533-1546		22
137	Geographically isolated wetlands are part of the hydrological landscape. <i>Hydrological Processes</i> , 2016 , 30, 153-160	3-3	93
136	Wavelet Spectrum and Self-Organizing Maps-Based Approach for Hydrologic Regionalization - a Case Study in the Western United States. 2016 , 30, 4399-4413		30
135	Assessing the long-term hydrological services provided by wetlands under changing climate conditions: A case study approach of a Canadian watershed. <i>Journal of Hydrology</i> , 2016 , 541, 1287-1302	6	18
134	A modified approach for estimating the aquatic critical load of acid deposition in northern Saskatchewan, Canada. 2016 , 146, 300-310		5
133	Interflow dynamics on a low relief forested hillslope: Lots of fill, little spill. <i>Journal of Hydrology</i> , 2016 , 534, 648-658	6	31
132	Controls on plot-scale evapotranspiration from a constructed fen in the Athabasca Oil Sands Region, Alberta. <i>Ecological Engineering</i> , 2017 , 100, 199-210	3-9	18
131	Hydrology of a wetland-dominated headwater basin in the Boreal Plain, Alberta, Canada. <i>Journal of Hydrology</i> , 2017 , 547, 168-183	6	33
130	The influence of lithology on surface water sources. <i>Hydrological Processes</i> , 2017 , 31, 1913-1925	3-3	9
129	Potential effects of landscape change on water supplies in the presence of reservoir storage. <i>Water Resources Research</i> , 2017 , 53, 2679-2692	5-4	10
128	Ephemeral and intermittent runoff generation processes in a low relief, highly weathered catchment. <i>Water Resources Research</i> , 2017 , 53, 7055-7077	5-4	51
127	Annual baseflow variations as influenced by climate variability and agricultural land use change in the Missouri River Basin. <i>Journal of Hydrology</i> , 2017 , 551, 188-202	6	45

126	Evaluating topography-based predictions of shallow lateral groundwater discharge zones for a boreal lake-stream system. <i>Water Resources Research</i> , 2017 , 53, 5420-5437	5-4	31
125	Boreal Forest Ecosystems. 2017 , 1-11		
124	Assessment of connectivity in a water-stressed wetland (Kaabar Tal) of Kosi-Gandak interfan, north Bihar Plains, India. 2017 , 42, 1982-1996		17
123	Low Evapotranspiration Enhances the Resilience of Peatland Carbon Stocks to Fire. 2017 , 44, 9341-9349		15
122	Landscape controls on long-term runoff in subhumid heterogeneous Boreal Plains catchments. <i>Hydrological Processes</i> , 2017 , 31, 2737-2751	3-3	37
121	Hydrologic Landscape Classification to Estimate Bristol Bay, Alaska Watershed Hydrology. 2017 , 53, 1008-1031		
120	Predicting dry-season flows with a monthly rainfall-runoff model: Performance for gauged and ungauged catchments. <i>Hydrological Processes</i> , 2017 , 31, 3844-3858	3-3	12
119	Combined soil-terrain stratification for characterizing catchment-scale soil moisture variation. 2017 , 285, 260-269		15
118	Google Earth Engine, Open-Access Satellite Data, and Machine Learning in Support of Large-Area Probabilistic Wetland Mapping. <i>Remote Sensing</i> , 2017 , 9, 1315	5	120
117	Understanding the water balance paradox in the Athabasca River Basin, Canada. <i>Hydrological Processes</i> , 2018 , 32, 729-746	3-3	24
116	Potential influence of nutrient availability along a hillslope: Peatland gradient on aspen recovery following fire. <i>Ecohydrology</i> , 2018 , 11, e1955	2-5	3
115	A graphical approach for documenting peatland hydrodiversity and orienting land management strategies. <i>Hydrological Processes</i> , 2018 , 32, 873-890	3-3	5
114	Permafrost and lakes control river isotope composition across a boreal Arctic transect in the Western Siberian lowlands. 2018 , 13, 034028		23
113	Fill and spill drives runoff connectivity over frozen ground. <i>Journal of Hydrology</i> , 2018 , 558, 115-128	6	22
112	Ecohydrological functioning of an upland undergoing reclamation on post-mining landscape of the Athabasca oil sands region, Canada. <i>Ecohydrology</i> , 2018 , 11, e1941	2-5	6
111	Variability and drivers of burn severity in the northwestern Canadian boreal forest. 2018 , 9, e02128		60
110	The impact of a loss of hydrologic connectivity on boreal lake thermal and evaporative regimes. 2018 , 63, 2028-2044		4
109	Hydrologic impact of aspen harvesting within the subhumid Boreal Plains of Alberta. <i>Hydrological Processes</i> , 2018 , 32, 3924-3937	3-3	2

108	Extreme Precipitation Years and Their Occurrence Frequency Regulate Long-Term Groundwater Recharge and Transit Time. 2018 , 17, 180093		7
107	Nested Scales of Spatial and Temporal Variability of Soil Water Content Across a Semiarid Montane Catchment. <i>Water Resources Research</i> , 2018 , 54, 7960-7980	5.4	9
106	Water table dynamics in a constructed wetland, Fort McMurray, Alberta. <i>Hydrological Processes</i> , 2018 , 32, 3824-3836	3.3	16
105	Effect of climate change and mining on hydrological connectivity of surficial layers in the Athabasca Oil Sands Region. <i>Hydrological Processes</i> , 2018 , 32, 3698-3716	3.3	8
104	Why do karst catchments exhibit higher sensitivity to climate change? Evidence from a modified Budyko model. 2018 , 122, 238-250		12
103	Remote sensing of ecosystem trajectories as a proxy indicator for watershed water balance. <i>Ecohydrology</i> , 2018 , 11, e1987	2.5	11
102	Hydrometeorological conditions preceding wildfire, and the subsequent burning of a fen watershed in Fort McMurray, Alberta, Canada. 2018 , 18, 157-170		21
101	Monitoring ecosystem reclamation recovery using optical remote sensing: Comparison with field measurements and eddy covariance. <i>Science of the Total Environment</i> , 2018 , 642, 436-446	10.2	13
100	Topoedaphic and Forest Controls on Post-Fire Vegetation Assemblies Are Modified by Fire History and Burn Severity in the Northwestern Canadian Boreal Forest. 2018 , 9, 151		36
99	Geospatial Modeling of River Systems. <i>Water (Switzerland)</i> , 2018 , 10, 282	3	0
98	Ecohydrologic Connections in Semiarid Watershed Systems of Central Oregon USA. <i>Water (Switzerland)</i> , 2018 , 10, 181	3	14
97	The influences of vegetation and peat properties on the hydrodynamic variability of a constructed fen, Fort McMurray, Alberta. <i>Ecological Engineering</i> , 2019 , 139, 105575	3.9	4
96	SAR and Lidar Temporal Data Fusion Approaches to Boreal Wetland Ecosystem Monitoring. <i>Remote Sensing</i> , 2019 , 11, 161	5	28
95	Hydrologic function of a moderate-rich fen watershed in the Athabasca Oil Sands Region of the Western Boreal Plain, northern Alberta. <i>Journal of Hydrology</i> , 2019 , 570, 692-704	6	18
94	Mapping water yield distribution across the South Athabasca Oil Sands (SAOS) area: Baseline surveys applying isotope mass balance of lakes. <i>Journal of Hydrology: Regional Studies</i> , 2019 , 21, 1-13	3.6	14
93	Hydraulic redistribution and hydrological controls on aspen transpiration and establishment in peatlands following wildfire. <i>Hydrological Processes</i> , 2019 , 33, 2714	3.3	4
92	Changes to the hydrophysical properties of upland and riparian soils in a burned fen watershed in the Athabasca Oil Sands Region, northern Alberta, Canada. 2019 , 181, 104077		4
91	Snow to Precipitation Ratio Controls Catchment Storage and Summer Flows in Boreal Headwater Catchments. <i>Water Resources Research</i> , 2019 , 55, 4096-4109	5.4	10

90	Controls on spatial and temporal variability in streamflow and hydrochemistry in a glacierized catchment. 2019 , 23, 2041-2063		16
89	Comparison of event-specific rainfall-runoff responses and their controls in contrasting geographic areas. <i>Hydrological Processes</i> , 2019 , 33, 1961-1979	3.3	9
88	On the relationship between flood and contributing area. <i>Hydrological Processes</i> , 2019 , 33, 1980-1992	3.3	8
87	The influence of landscape characteristics on the spatial variability of river temperatures. 2019 , 177, 70-83		18
86	Groundwater inflows control patterns and sources of greenhouse gas emissions from streams. 2019 , 64, 1545-1557		37
85	Assessing Drivers of Cross-Scale Variability in Peat Smoldering Combustion Vulnerability in Forested Boreal Peatlands. 2019 , 2,		5
84	Isotopic tracing of hydrologic drivers including permafrost thaw status for lakes across Northeastern Alberta, Canada: A 16-year, 50-lake assessment. <i>Journal of Hydrology: Regional Studies</i> , 2019 , 26, 100643	3.6	8
83	A watershed classification approach that looks beyond hydrology: application to a semi-arid, agricultural region in Canada. 2019 , 23, 3945-3967		15
82	Hydrological functions of a peatland in a Boreal Plains catchment. <i>Hydrological Processes</i> , 2019 , 33, 562-574		6
81	Importance of geological information for assessing drain flow in a Danish till landscape. <i>Hydrological Processes</i> , 2019 , 33, 450-462	3.3	4
80	The role of landscape properties, storage and evapotranspiration on variability in streamflow recessions in a boreal catchment. <i>Journal of Hydrology</i> , 2019 , 570, 315-328	6	20
79	Long-term water balance partitioning explained by physical and ecological characteristics in world river basins. <i>Ecohydrology</i> , 2019 , 12, e2072	2.5	6
78	Increases in salinity following a shift in hydrologic regime in a constructed wetland watershed in a post-mining oil sands landscape. <i>Science of the Total Environment</i> , 2019 , 653, 1445-1457	10.2	23
77	HYDROLOGICAL FUNCTION OF A MOUNTAIN FEN AT LOW ELEVATION UNDER DRY CONDITIONS. <i>Hydrological Processes</i> , 2020 , 34, 244-257	3.3	2
76	Wetlands and low-gradient topography are associated with longer hydrologic transit times in Precambrian Shield headwater catchments. <i>Hydrological Processes</i> , 2020 , 34, 598-614	3.3	7
75	Hydropedology of depression-toe slope interaction across a soil unit boundary at the Boreal-Prairie interface. 2020 , 187, 104349		3
74	Major Controls on Streamflow of the Glacierized Urumqi River Basin in the Arid Region of Northwest China. <i>Water (Switzerland)</i> , 2020 , 12, 3062	3	1
73	Co-designed Land-use Scenarios and their Implications for Storm Runoff and Streamflow in New England. 2020 , 66, 785-800		1

72	Effects of critical zone structure on patterns of flow connectivity induced by rainstorms in a steep forested catchment. <i>Journal of Hydrology</i> , 2020 , 587, 125032	6	6
71	Structural controls on the hydrogeological functioning of a floodplain. 2020 , 28, 2675-2696		7
70	Effects of Topographic Resolution and Geologic Setting on Spatial Statistical River Temperature Models. <i>Water Resources Research</i> , 2020 , 56, e2020WR028122	5.4	10
69	Remote Sensing of Boreal Wetlands 2: Methods for Evaluating Boreal Wetland Ecosystem State and Drivers of Change. <i>Remote Sensing</i> , 2020 , 12, 1321	5	19
68	Remote Sensing of Boreal Wetlands 1: Data Use for Policy and Management. <i>Remote Sensing</i> , 2020 , 12, 1320	5	9
67	Modelling the hydrologic effects of vegetation growth on the long-term trajectory of a reclamation watershed. <i>Science of the Total Environment</i> , 2020 , 734, 139323	10.2	4
66	Geologic Controls on Source Water Drive Baseflow Generation and Carbon Geochemistry: Evidence of Nonstationary Baseflow Sources Across Multiple Subwatersheds. <i>Water Resources Research</i> , 2020 , 56, e2019WR026577	5.4	11
65	Modeling seasonal water yield for landscape management: Applications in Peru and Myanmar. 2020 , 270, 110792		6
64	Participatory water management modelling in the Athabasca River Basin. 2020 , 45, 109-124		3
63	Expanding wetland hydroperiod data via satellite imagery for ecological applications. 2020 , 18, 432-438		8
62	Geomorphic controls of perched groundwater interaction with natural ridge-top depressional wetlands. <i>Hydrological Processes</i> , 2020 , 34, 1089-1100	3.3	1
61	Forestland-peatland hydrologic connectivity in water-limited environments: hydraulic gradients often oppose topography. 2020 , 15, 034021		9
60	Electrical monitoring of saline tracers to reveal subsurface flow pathways in a flat ditch-drained field. <i>Journal of Hydrology</i> , 2020 , 586, 124862	6	5
59	Wetlands in the Athabasca Oil Sands Region: the nexus between wetland hydrological function and resource extraction. 2020 , 28, 246-261		19
58	Are dissolved organic carbon concentrations in riparian groundwater linked to hydrological pathways in the boreal forest?. 2020 , 24, 1709-1720		10
57	Regional wetland water storage changes: The influence of future climate on geographically isolated wetlands. 2021 , 120, 106941		5
56	Growing season evapotranspiration in boreal fens in the Athabasca Oil Sands Region: Variability and environmental controls. <i>Hydrological Processes</i> , 2021 , 35, e14020	3.3	2
55	Mapping smouldering fire potential in boreal peatlands and assessing interactions with the wildland-human interface in Alberta, Canada. 2021 , 30, 552		0

54	The Baker Creek Research Watershed: Streamflow data highlighting the behaviour of an intermittent Canadian Shield stream through a wet-dry-wet cycle. <i>Hydrological Processes</i> , 2021 , 35, e14038	3.3	0
53	Fill-and-Spill: A Process Description of Runoff Generation at the Scale of the Beholder. <i>Water Resources Research</i> , 2021 , 57, e2020WR027514	5.4	11
52	The spatial extent of hydrological and landscape changes across the mountains and prairies of Canada in the Mackenzie and Nelson River basins based on data from a warm-season time window. 2021 , 25, 2513-2541		1
51	Using isotopes to understand landscape-scale connectivity in a groundwater-dominated, lowland catchment under drought conditions. <i>Hydrological Processes</i> , 2021 , 35, e14197	3.3	7
50	Spatial Interpolation for the Distribution of Groundwater Level in an Area of Complex Geology Using Widely Available GIS Tools. <i>Environmental Processes</i> , 2021 , 8, 993-1026	2.8	0
49	Hydrogeochemistry Studies in the Oil Sands Region to Investigate the Role of Terrain Connectivity in Nitrogen Critical Loads. <i>Water (Switzerland)</i> , 2021 , 13, 2204	3	3
48	Inverse responses of species richness and niche specialization to human development. <i>Journal of Biogeography</i> ,	4.1	
47	Ecohydrological interactions in a boreal fen-wetland complex, Alberta, Canada. <i>Ecohydrology</i> , e2335	2.5	1
46	Hydrological functioning of a constructed peatland watershed in the Athabasca oil sands region: Potential trajectories and lessons learned. <i>Ecological Engineering</i> , 2021 , 166, 106236	3.9	9
45	Understanding the peak growing season ecosystem water-use efficiency at four boreal fens in the Athabasca oil sands region. <i>Hydrological Processes</i> , 2021 , 35, e14323	3.3	0
44	Shrub changes with proximity to anthropogenic disturbance in boreal wetlands determined using bi-temporal airborne lidar in the Oil Sands Region, Alberta Canada. <i>Science of the Total Environment</i> , 2021 , 780, 146638	10.2	5
43	Bedrock Groundwater Catchment Area Unveils Rainfall-Runoff Processes in Headwater Basins. <i>Water Resources Research</i> , 2021 , 57, e2021WR029888	5.4	4
42	Three-Dimensional Subsurface Flow Path Controls on Flow Permanence. <i>Water Resources Research</i> , 2021 , 57, e2020WR028270	5.4	
41	Linking Dominant Rainfall-Runoff Event Hydrologic Response Dynamics With Nitrate and Chloride Load Estimates of Three Boreal Shield Catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006187	3.7	0
40	Evaluating the Ubiquity of Thresholds in Rainfall-Runoff Response Across Contrasting Environments. <i>Water Resources Research</i> , 2021 , 57,	5.4	1
39	Bird's-Eye View of Forest Hydrology: Novel Approaches Using Remote Sensing Techniques. <i>Ecological Studies</i> , 2011 , 45-68	1.1	3
38	The Effects of Forest Harvesting on Forest Hydrology and Biogeochemistry. <i>Ecological Studies</i> , 2011 , 659-677	1.1	13
37	Digital Terrain Analysis Approaches for Tracking Hydrological and Biogeochemical Pathways and Processes in Forested Landscapes. <i>Ecological Studies</i> , 2011 , 69-100	1.1	15

36	Co-designed land-use scenarios and their implications for storm runoff and streamflow in New England.		0
35	Effects of Land Use on Lake Nutrients: The Importance of Scale, Hydrologic Connectivity, and Region. <i>PLoS ONE</i> , 2015 , 10, e0135454	3.7	57
34	Sources and fate of terrestrial dissolved organic carbon in lakes of a Boreal Plains region recently affected by wildfire.		4
33	Where does streamwater come from in low relief forested watersheds? A dual isotope approach.		1
32	Al-Pac Catchment Experiment (ACE). <i>Forestry Chronicle</i> , 2016 , 92, 23-26	1	1
31	Understanding Catchments—Hydrologic Response Similarity of Upper Blue Nile (Abay) basin through catchment classification. <i>Modeling Earth Systems and Environment</i> , 1	3.2	1
30	The Dominant Control of Relief on Soil Water Content Distribution During Wet-Dry Transitions in Headwaters. <i>Water Resources Research</i> , 2021 , 57, e2021WR029587	5.4	1
29	Aquifer potential of the transboundary crystalline-sedimentary complexes: from Northcentral Nigeria to Northwestern Cameroon border. <i>Water Science</i> , 2021 , 35, 165-185	1.9	
28	Characteristics of Dissolved Organic Carbon in Boreal Lakes: High Spatial and Inter-Annual Variability Controlled by Landscape Attributes and Wet-Dry Periods. <i>Water Resources Research</i> , 2021 , 57,	5.4	1
27	The hydrochemical evolution of a constructed peatland in a post-mining landscape six years after construction. <i>Journal of Hydrology: Regional Studies</i> , 2022 , 39, 100978	3.6	1
26	Baseflow signature behaviour of mountainous catchments around the North China Plain. <i>Journal of Hydrology</i> , 2022 , 606, 127450	6	0
25	Ranavirus Amplification in Low-Diversity Amphibian Communities.. <i>Frontiers in Veterinary Science</i> , 2022 , 9, 755426	3.1	
24	Climate, land cover and topography: essential ingredients in predicting wetland permanence. <i>Biogeosciences</i> , 2022 , 19, 1547-1570	4.6	
23	Isotope-based water balance assessment of open water wetlands across Alberta: Regional trends with emphasis on the oil sands region. <i>Journal of Hydrology: Regional Studies</i> , 2022 , 40, 101036	3.6	0
22	Carbon dissolution effects on pH changes of RAMP lakes in northeastern Alberta, Canada. <i>Journal of Hydrology: Regional Studies</i> , 2022 , 40, 101045	3.6	0
21	Using Remote Sensing and Machine Learning to Locate Groundwater Discharge to Salmon-Bearing Streams. <i>Remote Sensing</i> , 2022 , 14, 63	5	0
20	Broad Scale Assessment of Key Drivers of Streamflow Generation in Urban and Urbanizing Rivers. <i>Hydrological Processes</i> ,	3.3	0
19	Table_1.DOCX. 2019 ,		

18	The waterscape continuum concept: Rethinking boundaries in ecosystems. <i>Wiley Interdisciplinary Reviews: Water</i> ,	5-7
17	Seven hydrogeological terrains characteristic of southern Ontario.	
16	Total and dissolved phosphorus losses from agricultural headwater streams during extreme runoff events. 2022 , 848, 157736	○
15	Identifying Hydrologic Regimes and Drivers in Nova Scotia, Canada: Catchment Classification Efforts for a Data-Limited Region. 2022 , 27,	○
14	Quantifying the vertical water exchange of dominant tree species in a reclaimed landscape in the Athabasca oil sands region, Alberta.	○
13	Effect of Down-Hole Lithological Variation on Water Bearing Capacity of Some Boreholes in Ilorin, Nigeria. 2021 , 66, 5-23	○
12	High relief yield strong topography-soil water-vegetation relationships in headwater catchments of southeastern China. 2022 , 116214	○
11	Assessment of lake-level fluctuation as an indicator of fire activity in boreal Canada. 2022 , 145, 109611	○
10	Forest Stand Complexity Controls Ecosystem-Scale Evapotranspiration Dynamics: Implications for Landscape Flux Simulations.	○
9	Effects of subsurface rock fragment layers caused by simulated hoeing on near-surface rainfall-runoff processes. 2023 , 226, 105594	○
8	How Should Mine Reclamation Design Effectively Respond to Climate Change? A Mini Review Opinion. 2022 , 10, 117-125	○
7	The role of microhabitat for bryophyte establishment in reclamation of boreal wetlands.	○
6	A primer on stream temperature processes.	○
5	Simulating spatial variability of groundwater table in England and Wales. 2023 , 37,	○
4	Advances in Catchment Science, Hydrochemistry, and Aquatic Ecology Enabled by High-Frequency Water Quality Measurements. 2023 , 57, 4701-4719	○
3	The role of microhabitat for bryophyte establishment in reclamation of boreal wetlands. 2023 , 31, 297-307	○
2	Integrated ecohydrological hydrometric and stable water isotope data of a drought-sensitive mixed land use lowland catchment. 2023 , 15, 1543-1554	○
1	Sr Isotope, Major, and Trace Element Signatures in Karst Groundwaters. 2023 , 15, 1431	○

