

Kevin Bishop

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274
papers

12,253
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296
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13,953
ext. citations

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avg, IF

6.56
L-index

#	Paper	IF	Citations
274	Bias correction of regional climate model simulations for hydrological climate-change impact studies: Review and evaluation of different methods. <i>Journal of Hydrology</i> , 2012 , 456-457, 12-29	6	930
273	Patterns and Dynamics of Dissolved Organic Carbon (DOC) in Boreal Streams: The Role of Processes, Connectivity, and Scaling. <i>Ecosystems</i> , 2011 , 14, 880-893	3.9	281
272	Resolving the Double Paradox of rapidly mobilized old water with highly variable responses in runoff chemistry. <i>Hydrological Processes</i> , 2004 , 18, 185-189	3.3	265
271	On the forest cover-water yield debate: from demand- to supply-side thinking. <i>Global Change Biology</i> , 2012 , 18, 806-820	11.4	263
270	Regional Climate Models for Hydrological Impact Studies at the Catchment Scale: A Review of Recent Modeling Strategies. <i>Geography Compass</i> , 2010 , 4, 834-860	2.4	226
269	Thirty-five years of synchrony in the organic matter concentrations of Swedish rivers explained by variation in flow and sulphate. <i>Global Change Biology</i> , 2008 , 14, 1191-1198	11.4	224
268	Aqua Incognita: the unknown headwaters. <i>Hydrological Processes</i> , 2008 , 22, 1239-1242	3.3	213
267	Modeling spatial patterns of saturated areas: A comparison of the topographic wetness index and a dynamic distributed model. <i>Journal of Hydrology</i> , 2009 , 373, 15-23	6	175
266	The Krycklan Catchment Study: A flagship infrastructure for hydrology, biogeochemistry, and climate research in the boreal landscape. <i>Water Resources Research</i> , 2013 , 49, 7154-7158	5.4	172
265	Linking soil- and stream-water chemistry based on a Riparian Flow-Concentration Integration Model. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 2287-2297	5.5	172
264	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016 , 11, 034014	6.2	165
263	Future agriculture with minimized phosphorus losses to waters: Research needs and direction. <i>Ambio</i> , 2015 , 44 Suppl 2, S163-79	6.5	162
262	Hydrological flow paths during snowmelt: Congruence between hydrometric measurements and oxygen 18 in meltwater, soil water, and runoff. <i>Water Resources Research</i> , 2004 , 40,	5.4	160
261	Evasion of CO ₂ from streams - the dominant component of the carbon export through the aquatic conduit in a boreal landscape. <i>Global Change Biology</i> , 2013 , 19, 785-97	11.4	144
260	Evaluation of different downscaling techniques for hydrological climate-change impact studies at the catchment scale. <i>Climate Dynamics</i> , 2011 , 37, 2087-2105	4.2	139
259	Transit Times for Water in a Small Till Catchment from a Step Shift in the Oxygen 18 Content of the Water Input. <i>Water Resources Research</i> , 1996 , 32, 3497-3511	5.4	130
258	Xylem sap as a pathway for total mercury and methylmercury transport from soils to tree canopy in the boreal forest. <i>Biogeochemistry</i> , 1998 , 40, 101-113	3.8	126

257	Landscape-scale variability of acidity and dissolved organic carbon during spring flood in a boreal stream network. <i>Journal of Geophysical Research</i> , 2007 , 112,		125
256	Soil frost effects on soil water and runoff dynamics along a boreal forest transect: 1. Field investigations. <i>Hydrological Processes</i> , 2001 , 15, 909-926	3.3	125
255	Advances in understanding the podzolization process resulting from a multidisciplinary study of three coniferous forest soils in the Nordic Countries. <i>Geoderma</i> , 2000 , 94, 335-353	6.7	125
254	Human domination of the global water cycle absent from depictions and perceptions. <i>Nature Geoscience</i> , 2019 , 12, 533-540	18.3	124
253	Storage as a Metric of Catchment Comparison. <i>Hydrological Processes</i> , 2011 , 25, 3364-3371	3.3	124
252	Groundwater dynamics along a hillslope: A test of the steady state hypothesis. <i>Water Resources Research</i> , 2003 , 39,	5.4	121
251	Dissolved inorganic carbon export across the soil/stream interface and its fate in a boreal headwater stream. <i>Environmental Science & Technology</i> , 2009 , 43, 7364-9	10.3	118
250	Riparian zone hydrology and soil water total organic carbon (TOC): implications for spatial variability and upscaling of lateral riparian TOC exports. <i>Biogeosciences</i> , 2012 , 9, 3901-3916	4.6	109
249	Integrating aquatic carbon fluxes in a boreal catchment carbon budget. <i>Journal of Hydrology</i> , 2007 , 334, 141-150	6	108
248	Dissolved organic carbon characteristics in boreal streams in a forest-wetland gradient during the transition between winter and summer. <i>Journal of Geophysical Research</i> , 2008 , 113,		103
247	Salt water intrusion in the coastal aquifer of the southern Po Plain, Italy. <i>Hydrogeology Journal</i> , 2008 , 16, 1541-1556	3.1	101
246	Is a universal model of organic acidity possible: comparison of the acid/base properties of dissolved organic carbon in the boreal and temperate zones. <i>Environmental Science & Technology</i> , 2003 , 37, 1726-30	10.3	98
245	Spatiotemporal variability of the gas transfer coefficient (KCO ₂) in boreal streams: Implications for large scale estimates of CO ₂ evasion. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a	5.9	95
244	Spatial variation of streamwater chemistry in two Swedish boreal catchments: implications for environmental assessment. <i>Environmental Science & Technology</i> , 2005 , 39, 1463-9	10.3	93
243	Cold winter soils enhance dissolved organic carbon concentrations in soil and stream water. <i>Geophysical Research Letters</i> , 2010 , 37,	4.9	92
242	Oxygen 18 fractionation during snowmelt: Implications for spring flood hydrograph separation. <i>Water Resources Research</i> , 2002 , 38, 40-1-40-10	5.4	89
241	Photochemical and microbial processing of stream and soil water dissolved organic matter in a boreal forested catchment in northern Sweden 2002 , 64, 269-281		86
240	Upscaling Nitrogen Removal Capacity from Local Hotspots to Low Stream Orders[Drainage Basins. <i>Ecosystems</i> , 2015 , 18, 1101-1120	3.9	85

239	Temporal and spatial variability of dissolved inorganic carbon in a boreal stream network: Concentrations and downstream fluxes. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		81
238	Variations of bioavailable Sr concentration and 87Sr/86Sr ratio in boreal forest ecosystems. <i>Biogeochemistry</i> , 2004 , 67, 1-20	3.8	81
237	Effects of forestry operations on dissolved organic carbon concentrations and export in boreal first-order streams. <i>Journal of Geophysical Research</i> , 2012 , 117,		79
236	Distribution and mobilization of Al, Fe and Si in three podzolic soil profiles in relation to the humus layer. <i>Geoderma</i> , 2000 , 94, 249-263	6.7	78
235	Simulating interactions between saturated and unsaturated storage in a conceptual runoff model. <i>Hydrological Processes</i> , 2003 , 17, 379-390	3.3	77
234	A test of TOPMODEL's ability to predict spatially distributed groundwater levels. <i>Hydrological Processes</i> , 1997 , 11, 1131-1144	3.3	76
233	Nicotine exposure during a critical period of development leads to persistent changes in nicotinic acetylcholine receptors of adult rat brain. <i>Journal of Neurochemistry</i> , 1998 , 70, 752-62	6	76
232	Consequences of mixing assumptions for time-variable travel time distributions. <i>Hydrological Processes</i> , 2015 , 29, 3460-3474	3.3	75
231	The influence of soil temperature on transpiration: a plot scale manipulation in a young Scots pine stand. <i>Forest Ecology and Management</i> , 2004 , 195, 15-28	3.9	75
230	Terrestrial sources of methylmercury in surface waters: The importance of the riparian zone on the Svartberget Catchment. <i>Water, Air, and Soil Pollution</i> , 1995 , 80, 435-444	2.6	73
229	Long-term patterns in dissolved organic carbon, major elements and trace metals in boreal headwater catchments: trends, mechanisms and heterogeneity. <i>Biogeosciences</i> , 2013 , 10, 2315-2330	4.6	70
228	Mode of Transport of Surface-Applied Phosphorus-33 through a Clay and Sandy Soil. <i>Journal of Environmental Quality</i> , 1999 , 28, 1273-1282	3.4	69
227	Effect of climate change on soil temperature in Swedish boreal forests. <i>PLoS ONE</i> , 2014 , 9, e93957	3.7	68
226	Water storage in a till catchment. II: Implications of transmissivity feedback for flow paths and turnover times. <i>Hydrological Processes</i> , 2011 , 25, 3950-3959	3.3	67
225	Forest cover change over four decades in the Blue Nile Basin, Ethiopia: comparison of three watersheds. <i>Regional Environmental Change</i> , 2014 , 14, 253-266	4.3	66
224	Regulation of stream water dissolved organic carbon (DOC) concentrations during snowmelt; the role of discharge, winter climate and memory effects. <i>Biogeosciences</i> , 2010 , 7, 2901-2913	4.6	66
223	Critical levels of atmospheric pollution: criteria and concepts for operational modelling of mercury in forest and lake ecosystems. <i>Science of the Total Environment</i> , 2003 , 304, 83-106	10.2	64
222	Potential for long-term transfer of dissolved organic carbon from riparian zones to streams in boreal catchments. <i>Global Change Biology</i> , 2015 , 21, 2963-79	11.4	62

221	Flux rates of atmospheric lead pollution within soils of a small catchment in northern Sweden and their implications for future stream water quality. <i>Environmental Science & Technology</i> , 2006 , 40, 4639-45	10.3	62
220	Identification of the riparian sources of aquatic dissolved organic carbon. <i>Environment International</i> , 1994 , 20, 11-19	12.9	62
219	Integrated modeling of flow and residence times at the catchment scale with multiple interacting pathways. <i>Water Resources Research</i> , 2013 , 49, 4738-4750	5.4	61
218	Landscape control of stream water aluminum in a boreal catchment during spring flood. <i>Environmental Science & Technology</i> , 2006 , 40, 3494-500	10.3	60
217	Consequences of More Intensive Forestry for the Sustainable Management of Forest Soils and Waters. <i>Forests</i> , 2011 , 2, 243-260	2.8	59
216	Modelling the effect of climate change on recovery of acidified freshwaters: relative sensitivity of individual processes in the MAGIC model. <i>Science of the Total Environment</i> , 2006 , 365, 154-66	10.2	59
215	Response of dissolved organic carbon following forest harvesting in a boreal forest. <i>Ambio</i> , 2009 , 38, 381-6	6.5	58
214	The effects of forestry on Hg bioaccumulation in nemoral/boreal waters and recommendations for good silvicultural practice. <i>Ambio</i> , 2009 , 38, 373-80	6.5	57
213	Riparian soil temperature modification of the relationship between flow and dissolved organic carbon concentration in a boreal stream. <i>Water Resources Research</i> , 2011 , 47,	5.4	56
212	Hydrological effects of clear-cutting in a boreal forest: Snowpack dynamics, snowmelt and streamflow responses. <i>Journal of Hydrology</i> , 2013 , 484, 105-114	6	55
211	Challenges of Reducing Phosphorus Based Water Eutrophication in the Agricultural Landscapes of Northwest Europe. <i>Frontiers in Marine Science</i> , 2018 , 5,	4.5	54
210	Multiple sources and sinks of dissolved inorganic carbon across Swedish streams, refocusing the lens of stable C isotopes. <i>Scientific Reports</i> , 2017 , 7, 9158	4.9	54
209	The Full Annual Carbon Balance of Boreal Forests Is Highly Sensitive to Precipitation. <i>Environmental Science and Technology Letters</i> , 2014 , 1, 315-319	11	53
208	Soil frost effects on soil water and runoff dynamics along a boreal transect: 2. Simulations. <i>Hydrological Processes</i> , 2001 , 15, 927-941	3.3	53
207	Poly- and perfluoroalkylated substances (PFASs) in water, sediment and fish muscle tissue from Lake Tana, Ethiopia and implications for human exposure. <i>Chemosphere</i> , 2016 , 165, 352-357	8.4	53
206	Primary weathering rates, water transit times, and concentration-discharge relations: A theoretical analysis for the critical zone. <i>Water Resources Research</i> , 2017 , 53, 942-960	5.4	52
205	Hydrological response to changing climate conditions: Spatial streamflow variability in the boreal region. <i>Water Resources Research</i> , 2015 , 51, 9425-9446	5.4	52
204	Controls on snowmelt water mean transit times in northern boreal catchments. <i>Hydrological Processes</i> , 2010 , 24, 1672-1684	3.3	52

203	Separating the natural and anthropogenic components of spring flood pH decline: A method for areas that are not chronically acidified. <i>Water Resources Research</i> , 2000 , 36, 1873-1884	5.4	52
202	Cause of pH decline in stream water during spring melt runoff in northern Sweden. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000 , 57, 1888-1900	2.4	52
201	Soil frost and runoff at Svartberget, northern Sweden—measurements and model analysis. <i>Hydrological Processes</i> , 2002 , 16, 3379-3392	3.3	51
200	Specific discharge variability in a boreal landscape. <i>Water Resources Research</i> , 2012 , 48,	5.4	50
199	Forest cover and stream flow in a headwater of the Blue Nile: complementing observational data analysis with community perception. <i>Ambio</i> , 2010 , 39, 284-94	6.5	49
198	Intra-annual variability of organic carbon concentrations in running waters: Drivers along a climatic gradient. <i>Global Biogeochemical Cycles</i> , 2014 , 28, 451-464	5.9	48
197	Eye on the Taiga: Removing Global Policy Impediments to Safeguard the Boreal Forest. <i>Conservation Letters</i> , 2014 , 7, 408-418	6.9	47
196	Spatial variation in discharge and concentrations of organic carbon in a catchment network of boreal streams in northern Sweden. <i>Journal of Hydrology</i> , 2007 , 342, 72-87	6	47
195	Towards an Improved Conceptualization of Riparian Zones in Boreal Forest Headwaters. <i>Ecosystems</i> , 2018 , 21, 297-315	3.9	46
194	Water transit times and flow paths from two line injections of ³ H and ³⁶ Cl in a microcatchment at GEdsjö, Sweden. <i>Hydrological Processes</i> , 1999 , 13, 1557-1575	3.3	46
193	The role of biogeochemical hotspots, landscape heterogeneity, and hydrological connectivity for minimizing forestry effects on water quality. <i>Ambio</i> , 2016 , 45 Suppl 2, 152-62	6.5	46
192	Landscape controls on spatiotemporal discharge variability in a boreal catchment. <i>Water Resources Research</i> , 2016 , 52, 6541-6556	5.4	46
191	Carbon dioxide transport across the hillslope-riparian-stream continuum in a boreal headwater catchment. <i>Biogeosciences</i> , 2015 , 12, 1881-1892	4.6	44
190	Influence of organic acid site density on pH modeling of Swedish lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999 , 56, 1461-1470	2.4	44
189	Contrasting CO ₂ concentration discharge dynamics in headwater streams: A multi-catchment comparison. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 445-461	3.7	43
188	Riparian zone control on base cation concentration in boreal streams. <i>Biogeosciences</i> , 2013 , 10, 3849-3866	4.6	43
187	Forest harvest increases runoff most during low flows in two boreal streams. <i>Ambio</i> , 2009 , 38, 357-63	6.5	42
186	Spatial heterogeneity of the spring flood acid pulse in a boreal stream network. <i>Science of the Total Environment</i> , 2008 , 407, 708-22	10.2	42

185	Mercury cycling in boreal ecosystems: The long-term effect of acid rain constituents on peatland pore water methylmercury concentrations. <i>Geophysical Research Letters</i> , 2001 , 28, 1227-1230	4.9	42
184	Acid/base character of organic acids in a boreal stream during snowmelt. <i>Water Resources Research</i> , 2001 , 37, 1043-1056	5.4	42
183	Localization of tree water uptake in Scots pine and Norway spruce with hydrological tracers. <i>Canadian Journal of Forest Research</i> , 1995 , 25, 286-297	1.9	42
182	The exponential decline in saturated hydraulic conductivity with depth: a novel method for exploring its effect on water flow paths and transit time distribution. <i>Hydrological Processes</i> , 2016 , 30, 2438-2450	3.3	42
181	Mercury flow through an Asian rice-based food web. <i>Environmental Pollution</i> , 2017 , 229, 219-228	9.3	41
180	Representative regional sampling of carbon dioxide and methane concentrations in hemiboreal headwater streams reveal underestimates in less systematic approaches. <i>Global Biogeochemical Cycles</i> , 2014 , 28, 465-479	5.9	41
179	Impact of forestry on total and methyl-mercury in surface waters: distinguishing effects of logging and site preparation. <i>Environmental Science & Technology</i> , 2014 , 48, 4690-8	10.3	40
178	Patterns and drivers of riverine nitrogen (N) across alpine, subarctic, and boreal Sweden. <i>Biogeochemistry</i> , 2014 , 120, 105-120	3.8	40
177	Increasing Dissolved Organic Carbon Redefines the Extent of Surface Water Acidification and Helps Resolve a Classic Controversy. <i>BioScience</i> , 2011 , 61, 614-618	5.7	40
176	Modeling the dissolved organic carbon output from a boreal mire using the convection-dispersion equation: Importance of representing sorption. <i>Water Resources Research</i> , 2008 , 44,	5.4	40
175	The role of subsoil as a source or sink for phosphorus leaching. <i>Journal of Environmental Quality</i> , 2015 , 44, 535-44	3.4	39
174	Modelling the effect of low soil temperatures on transpiration by Scots pine. <i>Hydrological Processes</i> , 2006 , 20, 1929-1944	3.3	39
173	High methylmercury formation in ponds fueled by fresh humic and algal derived organic matter. <i>Limnology and Oceanography</i> , 2018 , 63, S44-S53	4.8	39
172	The local impact of a coal-fired power plant on inorganic mercury and methyl-mercury distribution in rice (<i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2017 , 223, 11-18	9.3	38
171	Reticular dysgenesis-associated AK2 protects hematopoietic stem and progenitor cell development from oxidative stress. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1185-202	16.6	38
170	Modelling variability of snow depths and soil temperatures in Scots pine stands. <i>Agricultural and Forest Meteorology</i> , 2005 , 133, 109-118	5.8	38
169	Xylem sap composition: A tool for investigating mineral uptake and cycling in adult spruce. <i>Plant and Soil</i> , 1995 , 168-169, 233-241	4.2	38
168	Hillslope permeability architecture controls on subsurface transit time distribution and flow paths. <i>Journal of Hydrology</i> , 2016 , 543, 17-30	6	37

167	Knockdown of Bardet-Biedl syndrome gene BBS9/PTHB1 leads to cilia defects. <i>PLoS ONE</i> , 2012 , 7, e34389	3.7	37
166	Modeling preindustrial ANC and pH during the spring flood in northern Sweden. <i>Biogeochemistry</i> , 2001 , 54, 171-195	3.8	36
165	The importance of bioconcentration into the pelagic food web base for methylmercury biomagnification: A meta-analysis. <i>Science of the Total Environment</i> , 2019 , 646, 357-367	10.2	35
164	Variability of groundwater levels and total organic carbon in the riparian zone of a boreal catchment. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
163	Episodic stream water pH decline during autumn storms following a summer drought in northern Sweden. <i>Hydrological Processes</i> , 2002 , 16, 1725-1733	3.3	35
162	Natural acidity or anthropogenic acidification in the spring flood of northern Sweden?. <i>Science of the Total Environment</i> , 1999 , 234, 63-73	10.2	35
161	Managing Swedish forestry's impact on mercury in fish: Defining the impact and mitigation measures. <i>Ambio</i> , 2016 , 45 Suppl 2, 163-74	6.5	35
160	Carbon dioxide and methane emissions of Swedish low-order streams— national estimate and lessons learnt from more than a decade of observations. <i>Limnology and Oceanography Letters</i> , 2018 , 3, 156-167	7.9	34
159	Evolution of soil solution aluminum during transport along a forested boreal hillslope. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		34
158	Stable Carbon Isotopes Reveal Soil-Stream DIC Linkages in Contrasting Headwater Catchments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 149-167	3.7	33
157	Spatial and temporal variation of THg concentrations in run-off water from 19 boreal catchments, 2000-2010. <i>Environmental Pollution</i> , 2012 , 164, 102-9	9.3	33
156	Methylmercury output from the Svartberget Catchment in northern Sweden during spring flood. <i>Water, Air, and Soil Pollution</i> , 1995 , 80, 445-454	2.6	33
155	Formation of mercury methylation hotspots as a consequence of forestry operations. <i>Science of the Total Environment</i> , 2018 , 613-614, 1069-1078	10.2	32
154	Significant interaction effects from sulfate deposition and climate on sulfur concentrations constitute major controls on methylmercury production in peatlands. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 102, 1-11	5.5	32
153	Impact of stump harvest on run-off concentrations of total mercury and methylmercury. <i>Forest Ecology and Management</i> , 2013 , 290, 83-94	3.9	32
152	Riparian zone influence on stream water dissolved organic carbon concentrations at the Swedish integrated monitoring sites. <i>Ambio</i> , 2011 , 40, 920-30	6.5	32
151	Summer rains and dry seasons in the upper Blue Nile Basin: the predictability of half a century of past and future spatiotemporal patterns. <i>PLoS ONE</i> , 2013 , 8, e68461	3.7	32
150	The effect of a north-facing forest edge on tree water use in a boreal Scots pine stand. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 693-702	1.9	31

149	Organic carbon in the boreal spring flood from adjacent subcatchments. <i>Environment International</i> , 1996 , 22, 535-540	12.9	31
148	Mercury methylating microbial communities of boreal forest soils. <i>Scientific Reports</i> , 2019 , 9, 518	4.9	30
147	Hydrological characterization of watersheds in the Blue Nile Basin, Ethiopia. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 11-20	5.5	30
146	Spatial and temporal variations of base cation release from chemical weathering on a hillslope scale. <i>Chemical Geology</i> , 2016 , 441, 1-13	4.2	30
145	Spatial and temporal patterns of pesticide concentrations in streamflow, drainage and runoff in a small Swedish agricultural catchment. <i>Science of the Total Environment</i> , 2018 , 610-611, 623-634	10.2	30
144	Nitrous oxide emissions from streams in a Swedish agricultural catchment. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 236, 295-303	5.7	29
143	Current forest carbon fixation fuels stream CO emissions. <i>Nature Communications</i> , 2019 , 10, 1876	17.4	29
142	Recent advances in understanding and measurement of mercury in the environment: Terrestrial Hg cycling. <i>Science of the Total Environment</i> , 2020 , 721, 137647	10.2	29
141	Mercury evasion from a boreal peatland shortens the timeline for recovery from legacy pollution. <i>Scientific Reports</i> , 2017 , 7, 16022	4.9	29
140	Drivers of increased organic carbon concentrations in stream water following forest disturbance: Separating effects of changes in flow pathways and soil warming. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1814-1827	3.7	29
139	Direct and indirect effects of increasing dissolved organic carbon levels on pH in lakes recovering from acidification. <i>Journal of Geophysical Research</i> , 2010 , 115,		29
138	Reviews and syntheses: Biological weathering and its consequences at different spatial levels □ from nanoscale to global scale. <i>Biogeosciences</i> , 2020 , 17, 1507-1533	4.6	29
137	A water cycle for the Anthropocene. <i>Hydrological Processes</i> , 2019 , 33, 3046-3052	3.3	28
136	Hydrological change detection using modeling: Half a century of runoff from four rivers in the Blue Nile Basin. <i>Water Resources Research</i> , 2013 , 49, 3842-3851	5.4	28
135	Simulating streamflow in ungauged basins under a changing climate: The importance of landscape characteristics. <i>Journal of Hydrology</i> , 2018 , 561, 160-178	6	27
134	Water storage in a till catchment. I: Distributed modelling and relationship to runoff. <i>Hydrological Processes</i> , 2011 , 25, 3937-3949	3.3	27
133	The effects of forest harvest operations on mercury and methylmercury in two boreal streams: relatively small changes in the first two years prior to site preparation. <i>Ambio</i> , 2009 , 38, 364-72	6.5	27
132	Variation and accumulation patterns of poly- and perfluoroalkyl substances (PFAS) in European perch (<i>Perca fluviatilis</i>) across a gradient of pristine Swedish lakes. <i>Science of the Total Environment</i> , 2017 , 599-600, 1685-1692	10.2	26

131	Forestry Influence by Stump Harvest and Site Preparation on Methylmercury, Total Mercury and Other Stream Water Chemistry Parameters Across a Boreal Landscape. <i>Ecosystems</i> , 2012 , 15, 1308-1320	3.9	26
130	Direct Impacts of Climate Change on Freshwater Ecosystems 2010 , 38-64		26
129	Survival of brown trout during spring flood in DOC-rich streams in northern Sweden: the effect of present acid deposition and modelled pre-industrial water quality. <i>Environmental Pollution</i> , 2005 , 135, 121-30	9.3	26
128	Water renewal along the aquatic continuum offsets cumulative retention by lakes: implications for the character of organic carbon in boreal lakes. <i>Aquatic Sciences</i> , 2013 , 75, 535-545	2.5	25
127	Aquatic export of young dissolved and gaseous carbon from a pristine boreal fen: Implications for peat carbon stock stability. <i>Global Change Biology</i> , 2017 , 23, 5523-5536	11.4	25
126	Paleoecological evidence of major declines in total organic carbon concentrations since the nineteenth century in four northern boreal lakes. <i>Journal of Paleolimnology</i> , 2011 , 45, 507-518	2.1	25
125	Seasonal and runoff-related changes in total organic carbon concentrations in the River E, Northern Sweden. <i>Aquatic Sciences</i> , 2008 , 70, 21-29	2.5	25
124	Flood risk assessment [Practices in flood prone Swedish municipalities. <i>International Journal of Disaster Risk Reduction</i> , 2016 , 18, 206-217	4.5	25
123	The assumption of uniform specific discharge: unsafe at any time?. <i>Hydrological Processes</i> , 2016 , 30, 3978-3988	3.3	24
122	Problems with the reconciliation of good ecological status and public participation in the Water Framework Directive. <i>Science of the Total Environment</i> , 2012 , 433, 482-90	10.2	23
121	Subcatchment output of mercury and methylmercury at Svartberget in northern Sweden. <i>Water, Air, and Soil Pollution</i> , 1995 , 80, 455-465	2.6	22
120	Relations between organic carbon and methylmercury in humic rich surface waters from Svartberget catchment in northern Sweden. <i>Water, Air, and Soil Pollution</i> , 1995 , 80, 971-979	2.6	22
119	Toward catchment hydro-biogeochemical theories. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021 , 8, e1495	5.7	22
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