Kevin Bishop

List of Publications by Year in Descending Order

274 papers	12,253 citations	59 h-index	97 g-index
296 ext. papers	13,953 ext. citations	5.7 avg, IF	6.56 L-index

#	Paper	IF	Citations
274	Use of stable Mg isotope ratios in identifying the base cation sources of stream water in the boreal Krycklan catchment (Sweden). *Chemical Geology*, **2022**, 588, 120651	4.2	0
273	Autumn destabilization of deep porewater CO store in a northern peatland driven by turbulent diffusion. *Nature Communications*, **2021**, 12, 6857	17.4	
272	Citizen Science as Democratic Innovation That Renews Environmental Monitoring and Assessment for the Sustainable Development Goals in Rural Areas. *Sustainability*, **2021**, 13, 2762	3.6	5
271	Northern landscapes in transition: Evidence, approach and ways forward using the Krycklan Catchment Study. *Hydrological Processes*, **2021**, 35, e14170	3.3	7
270	Variability in fluvial suspended and streambed sediment phosphorus fractions among small agricultural streams. *Journal of Environmental Quality*, **2021**, 50, 612-626	3.4	
269	Simulation of water and chemical transport of chloride from the forest ecosystem to the stream. *Environmental Modelling and Software*, **2021**, 138, 104984	5.2	2
268	Land use, geology and soil properties control nutrient concentrations in headwater streams. *Science of the Total Environment*, **2021**, 772, 145108	10.2	6
267	How effective are River Basin Management Plans in reaching the nutrient load reduction targets?. *Ambio*, **2021**, 50, 706-722	6.5	4
266	Toward catchment hydro-biogeochemical theories. *Wiley Interdisciplinary Reviews: Water*, **2021**, 8, e1495	5.7	22
265	Diet influence on mercury bioaccumulation as revealed by polyunsaturated fatty acids in zoobenthos from two contrasting environments: Chinese reservoirs and Swedish lakes. *Science of the Total Environment*, **2021**, 782, 146410	10.2	3
264	Elevated temperature and browning increase dietary methylmercury, but decrease essential fatty acids at the base of lake food webs. *Scientific Reports*, **2021**, 11, 16859	4.9	3
263	Critical Observations of Gaseous Elemental Mercury Air-Sea Exchange. *Global Biogeochemical Cycles* , **2021**, 35, e2020GB006742	5.9	0
262	Where and When to Collect Tracer Data to Diagnose Hillslope Permeability Architecture. *Water Resources Research*, **2021**, 57, e2020WR028719	5.4	0
261	Brownification on hold: What traditional analyses miss in extended surface water records. *Water Research*, **2021**, 203, 117544	12.5	1
260	Monitoring and assessment of environmental resources in the changing landscape of Ethiopia: a focus on forests and water. *Environmental Monitoring and Assessment*, **2021**, 193, 624	3.1	2
259	Biogeochemical influences on net methylmercury formation proxies along a peatland chronosequence. *Geochimica Et Cosmochimica Acta*, **2021**, 308, 188-203	5.5	2
258	Effect of DEM-smoothing and -aggregation on topographically-based flow directions and catchment boundaries. *Journal of Hydrology*, **2021**, 602, 126717	6	4

257	From legacy effects of acid deposition in boreal streams to future environmental threats. *Environmental Research Letters*, **2021**, 16, 015007	6.2	5
256	Aqua temporaria incognita. *Hydrological Processes*, **2020**, 34, 5704-5711	3.3	12
255	Recent advances in understanding and measurement of mercury in the environment: Terrestrial Hg cycling. *Science of the Total Environment*, **2020**, 721, 137647	10.2	29
254	Formation and mobilization of methylmercury across natural and experimental sulfur deposition gradients. *Environmental Pollution*, **2020**, 263, 114398	9.3	6
253	Lagged rejuvenation of groundwater indicates internal flow structures and hydrological connectivity. *Hydrological Processes*, **2020**, 34, 2176-2189	3.3	7
252	Ecosystem services in the Swedish water-energy-food-land-climate nexus: Anthropogenic pressures and physical interactions. *Ecosystem Services*, **2020**, 44, 101141	6.1	19
251	Opposing spatial trends in methylmercury and total mercury along a peatland chronosequence trophic gradient. *Science of the Total Environment*, **2020**, 718, 137306	10.2	2
250	Catchment export of base cations: improved mineral dissolution kinetics influence the role of water transit time. *Soil*, **2020**, 6, 231-244	5.8	6
249	Forest-Water Interactions Under Global Change. *Ecological Studies*, **2020**, 589-624	1.1	5
248	Mercury biogeochemical cycling: A synthesis of recent scientific advances. *Science of the Total Environment*, **2020**, 737, 139619	10.2	18
247	Shifts in mercury methylation across a peatland chronosequence: From sulfate reduction to methanogenesis and syntrophy. *Journal of Hazardous Materials*, **2020**, 387, 121967	12.8	19
246	Effect of aquaculture on mercury and polyunsaturated fatty acids in fishes from reservoirs in Southwest China. *Environmental Pollution*, **2020**, 257, 113543	9.3	4
245	Particulate phosphorus and suspended solids losses from small agricultural catchments: Links to stream and catchment characteristics. *Science of the Total Environment*, **2020**, 711, 134616	10.2	17
244	Optimizing placement of constructed wetlands at landscape scale in order to reduce phosphorus losses. *Ambio*, **2020**, 49, 1797-1807	6.5	0
243	Linear spectral unmixing algorithm for modelling suspended sediment concentration of flash floods, upper Tekeze River, Ethiopia. *International Journal of Sediment Research*, **2020**, 35, 79-90	3	7
242	Reviews and syntheses: Biological weathering and its consequences at different spatial levels □ from nanoscale to global scale. *Biogeosciences*, **2020**, 17, 1507-1533	4.6	29
241	Human domination of the global water cycle absent from depictions and perceptions. *Nature Geoscience*, **2019**, 12, 533-540	18.3	124
240	Current forest carbon fixation fuels stream CO emissions. *Nature Communications*, **2019**, 10, 1876	17.4	29

239	Soil Compaction Effects on Root-Zone Hydrology and Vegetation in Boreal Forest Clearcuts. *Soil Science Society of America Journal*, **2019**, 83, S105	2.5	9
238	Terrestrial diet influences mercury bioaccumulation in zooplankton and macroinvertebrates in lakes with differing dissolved organic carbon concentrations. *Science of the Total Environment*, **2019**, 669, 821-832	10.2	10
237	Mercury methylating microbial communities of boreal forest soils. *Scientific Reports*, **2019**, 9, 518	4.9	30
236	The importance of bioconcentration into the pelagic food web base for methylmercury biomagnification: A meta-analysis. *Science of the Total Environment*, **2019**, 646, 357-367	10.2	35
235	A water cycle for the Anthropocene. *Hydrological Processes*, **2019**, 33, 3046-3052	3.3	28
234	Spectral Decomposition Reveals New Perspectives on CO2 Concentration Patterns and Soil-Stream Linkages. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 3039-3056	3.7	8
233	Managing Forests for Both Downstream and Downwind Water. *Frontiers in Forests and Global Change*, **2019**, 2,	3.7	16
232	Base cations in the soil bank: non-exchangeable pools may sustain centuries of net loss to forestry and leaching. *Soil*, **2019**, 5, 351-366	5.8	9
231	Human macrophages survive and adopt activated genotypes in living zebrafish. *Scientific Reports*, **2019**, 9, 1759	4.9	10
230	Catchment export of base cations: Improved mineral dissolution kinetics influence the role of water transit time **2019**,		2
229	Weathering rates in Swedish forest soils. *Biogeosciences*, **2019**, 16, 4429-4450	4.6	8
228	The role of landscape properties, storage and evapotranspiration on variability in streamflow recessions in a boreal catchment. *Journal of Hydrology*, **2019**, 570, 315-328	6	20
227	Is observation uncertainty masking the signal of land use change impacts on hydrology?. *Journal of Hydrology*, **2019**, 570, 393-400	6	6
226	The Nile Basin waters and the West African rainforest: Rethinking the boundaries. *Wiley Interdisciplinary Reviews: Water*, **2019**, 6, e1317	5.7	13
225	From wicked problem to governable entity? The effects of forestry on mercury in aquatic ecosystems. *Forest Policy and Economics*, **2018**, 90, 90-96	3.6	5
224	Carbon dioxide and methane emissions of Swedish low-order streams– national estimate and lessons learnt from more than a decade of observations. *Limnology and Oceanography Letters*, **2018**, 3, 156-167	7.9	34
223	Stable Carbon Isotopes Reveal Soil-Stream DIC Linkages in Contrasting Headwater Catchments. *Journal of Geophysical Research G: Biogeosciences*, **2018**, 123, 149-167	3.7	33
222	Does forest harvest increase the mercury concentrations in fish? Evidence from Swedish lakes. *Science of the Total Environment*, **2018**, 622-623, 1353-1362	10.2	11

221	Simulating streamflow in ungauged basins under a changing climate: The importance of landscape characteristics. *Journal of Hydrology*, **2018**, 561, 160-178	6	27
220	Towards an Improved Conceptualization of Riparian Zones in Boreal Forest Headwaters. *Ecosystems* , **2018**, 21, 297-315	3.9	46
219	Sulfur and iron influence the transformation and accumulation of mercury and methylmercury in the soil-rice system. *Journal of Soils and Sediments*, **2018**, 18, 578-585	3.4	13
218	Comparative study of elemental mercury flux measurement techniques over a Fennoscandian boreal peatland. *Atmospheric Environment*, **2018**, 172, 16-25	5.3	16
217	Formation of mercury methylation hotspots as a consequence of forestry operations. *Science of the Total Environment*, **2018**, 613-614, 1069-1078	10.2	32
216	Capturing complexity: Forests, decision-making and climate change mitigation action. *Global Environmental Change*, **2018**, 52, 238-247	10.1	18
215	Challenges of Reducing Phosphorus Based Water Eutrophication in the Agricultural Landscapes of Northwest Europe. *Frontiers in Marine Science*, **2018**, 5,	4.5	54
214	High methylmercury formation in ponds fueled by fresh humic and algal derived organic matter. *Limnology and Oceanography*, **2018**, 63, S44-S53	4.8	39
213	Spatial and temporal patterns of pesticide concentrations in streamflow, drainage and runoff in a small Swedish agricultural catchment. *Science of the Total Environment*, **2018**, 610-611, 623-634	10.2	30
212	Vegetation changes and water cycle in a changing environment. *Hydrology and Earth System Sciences*, **2018**, 22, 1731-1734	5.5	6
211	Mercury Human Exposure in Populations Living Around Lake Tana (Ethiopia). *Biological Trace Element Research*, **2017**, 175, 237-243	4.5	10
210	Effects of beaver impoundments on dissolved organic matter quality and biodegradability in boreal riverine systems. *Hydrobiologia*, **2017**, 793, 135-148	2.4	16
209	Nitrous oxide emissions from streams in a Swedish agricultural catchment. *Agriculture, Ecosystems and Environment*, **2017**, 236, 295-303	5.7	29
208	The local impact of a coal-fired power plant on inorganic mercury and methyl-mercury distribution in rice (Oryza sativa L.). *Environmental Pollution*, **2017**, 223, 11-18	9.3	38
207	Reduced removal of bacteriophage MS2 in during basin infiltration managed aquifer recharge as basin sand is exposed to infiltration water. *Hydrological Processes*, **2017**, 31, 1690-1701	3.3	7
206	Variation and accumulation patterns of poly- and perfluoroalkyl substances (PFAS) in European perch (Perca fluviatilis) across a gradient of pristine Swedish lakes. *Science of the Total Environment*, **2017**, 599-600, 1685-1692	10.2	26
205	Mercury flow through an Asian rice-based food web. *Environmental Pollution*, **2017**, 229, 219-228	9.3	41
204	Primary weathering rates, water transit times, and concentration-discharge relations: A theoretical analysis for the critical zone. *Water Resources Research*, **2017**, 53, 942-960	5.4	52

203	Soil moisture storage estimation based on steady vertical fluxes under equilibrium. *Journal of Hydrology*, **2017**, 553, 798-804	6	3
202	Multiple sources and sinks of dissolved inorganic carbon across Swedish streams, refocusing the lens of stable C isotopes. *Scientific Reports*, **2017**, 7, 9158	4.9	54
201	Aquatic export of young dissolved and gaseous carbon from a pristine boreal fen: Implications for peat carbon stock stability. *Global Change Biology*, **2017**, 23, 5523-5536	11.4	25
200	Future Riverine Inorganic Nitrogen Load to the Baltic Sea From Sweden: An Ensemble Approach to Assessing Climate Change Effects. *Global Biogeochemical Cycles*, **2017**, 31, 1674-1701	5.9	10
199	The effects of ionic strength and organic matter on virus inactivation at low temperatures: general likelihood uncertainty estimation (GLUE) as an alternative to least-squares parameter optimization for the fitting of virus inactivation models. *Hydrogeology Journal*, **2017**, 25, 1063-1076	3.1	2
198	Does the harvest of logging residues and wood ash application affect the mobilization and bioavailability of trace metals?. *Forest Ecology and Management*, **2017**, 383, 61-72	3.9	14
197	Total mercury and methylmercury concentrations over a gradient of contamination in earthworms living in rice paddy soil. *Environmental Toxicology and Chemistry*, **2017**, 36, 1202-1210	3.8	8
196	Water storage dynamics in a till hillslope: the foundation for modeling flows and turnover times. *Hydrological Processes*, **2017**, 31, 4-14	3.3	14
195	Mercury evasion from a boreal peatland shortens the timeline for recovery from legacy pollution. *Scientific Reports*, **2017**, 7, 16022	4.9	29
194	Drinking water risk assessment in practice: the case of Swedish drinking water producers at risk from floods. *Environment Systems and Decisions*, **2016**, 36, 239-252	4.1	2
193	Hydroclimatic influences on non-stationary transit time distributions in a boreal headwater catchment. *Journal of Hydrology*, **2016**, 543, 7-16	6	21
192	Hillslope permeability architecture controls on subsurface transit time distribution and flow paths. *Journal of Hydrology*, **2016**, 543, 17-30	6	37
191	Constitution of a catchment virtual observatory for sharing flow and transport models outputs. *Journal of Hydrology*, **2016**, 543, 59-66	6	11
190	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. *Environmental Research Letters*, **2016**, 11, 034014	6.2	165
189	Using dry and wet year hydroclimatic extremes to guide future hydrologic projections. *Hydrology and Earth System Sciences*, **2016**, 20, 2811-2825	5.5	12
188	Map-based prediction of organic carbon in headwater streams improved by downstream observations from the river outlet. *Biogeosciences*, **2016**, 13, 399-413	4.6	2
187	A Hydrological Concept including Lateral Water Flow Compatible with the Biogeochemical Model ForSAFE. *Hydrology*, **2016**, 3, 11	2.8	6
186	A dual-inlet, single detector relaxed eddy accumulation system for long-term measurement of mercury flux. *Atmospheric Measurement Techniques*, **2016**, 9, 509-524	4	17

185	The assumption of uniform specific discharge: unsafe at any time?. *Hydrological Processes*, **2016**, 30, 3978-3988	3.3	24
184	The exponential decline in saturated hydraulic conductivity with depth: a novel method for exploring its effect on water flow paths and transit time distribution. *Hydrological Processes*, **2016**, 30, 2438-2450	3.3	42
183	Sensitivity of stream dissolved organic carbon to temperature and discharge: Implications of future climates. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 126-144	3.7	19
182	Managing Swedish forestry's impact on mercury in fish: Defining the impact and mitigation measures. *Ambio*, **2016**, 45 Suppl 2, 163-74	6.5	35
181	The role of biogeochemical hotspots, landscape heterogeneity, and hydrological connectivity for minimizing forestry effects on water quality. *Ambio*, **2016**, 45 Suppl 2, 152-62	6.5	46
180	Landscape controls on spatiotemporal discharge variability in a boreal catchment. *Water Resources Research*, **2016**, 52, 6541-6556	5.4	46
179	Poly- and perfluoroalkylated substances (PFASs) in water, sediment and fish muscle tissue from Lake Tana, Ethiopia and implications for human exposure. *Chemosphere*, **2016**, 165, 352-357	8.4	53
178	Spatial and temporal variations of base cation release from chemical weathering on a hillslope scale. *Chemical Geology*, **2016**, 441, 1-13	4.2	30
177	Flood risk assessment Practices in flood prone Swedish municipalities. *International Journal of Disaster Risk Reduction*, **2016**, 18, 206-217	4.5	25
176	Reticular dysgenesis-associated AK2 protects hematopoietic stem and progenitor cell development from oxidative stress. *Journal of Experimental Medicine*, **2015**, 212, 1185-202	16.6	38
175	Patterns and predictability in the intra-annual organic carbon variability across the boreal and hemiboreal landscape. *Science of the Total Environment*, **2015**, 520, 260-9	10.2	12
174	Organic Matter in Rain: An Overlooked Influence on Mercury Deposition. *Environmental Science and Technology Letters*, **2015**, 2, 128-132	11	17
173	A primer for hydrology: the beguiling simplicity of Water's journey from rain to stream at 30. *Hydrological Processes*, **2015**, 29, 3443-3446	3.3	2
172	Impact of Beaver Pond Colonization History on Methylmercury Concentrations in Surface Water. *Environmental Science & Technology*, **2015**, 49, 12679-87	10.3	13
171	Consequences of mixing assumptions for time-variable travel time distributions. *Hydrological Processes*, **2015**, 29, 3460-3474	3.3	75
170	Potential for long-term transfer of dissolved organic carbon from riparian zones to streams in boreal catchments. *Global Change Biology*, **2015**, 21, 2963-79	11.4	62
169	Hydrological response to changing climate conditions: Spatial streamflow variability in the boreal region. *Water Resources Research*, **2015**, 51, 9425-9446	5.4	52
168	Local- and landscape-scale impacts of clear-cuts and climate change on surface water dissolved organic carbon in boreal forests. *Journal of Geophysical Research G: Biogeosciences*, **2015**, 120, 2402-2426	3.7	18

167	Carbon dioxide transport across the hillslope–riparian–stream continuum in a boreal headwater catchment. *Biogeosciences*, **2015**, 12, 1881-1892	4.6	44
166	The role of subsoil as a source or sink for phosphorus leaching. *Journal of Environmental Quality*, **2015**, 44, 535-44	3.4	39
165	Parsimonious Model for Simulating Total Mercury and Methylmercury in Boreal Streams Based on Riparian Flow Paths and Seasonality. *Environmental Science & Technology*, **2015**, 49, 7851-9	10.3	13
164	Upscaling Nitrogen Removal Capacity from Local Hotspots to Low Stream Orders' Drainage Basins. *Ecosystems*, **2015**, 18, 1101-1120	3.9	85
163	Future agriculture with minimized phosphorus losses to waters: Research needs and direction. *Ambio*, **2015**, 44 Suppl 2, S163-79	6.5	162
162	Forest cover change over four decades in the Blue Nile Basin, Ethiopia: comparison of three watersheds. *Regional Environmental Change*, **2014**, 14, 253-266	4.3	66
161	Impact of forestry on total and methyl-mercury in surface waters: distinguishing effects of logging and site preparation. *Environmental Science & Technology*, **2014**, 48, 4690-8	10.3	40
160	The Full Annual Carbon Balance of Boreal Forests Is Highly Sensitive to Precipitation. *Environmental Science and Technology Letters*, **2014**, 1, 315-319	11	53
159	Evasion of Elemental Mercury from a Boreal Peatland Suppressed by Long-Term Sulfate Addition. *Environmental Science and Technology Letters*, **2014**, 1, 421-425	11	16
158	Cross-scale ensemble projections of dissolved organic carbon dynamics in boreal forest streams. *Climate Dynamics*, **2014**, 42, 2305-2321	4.2	20
157	Patterns and drivers of riverine nitrogen (N) across alpine, subarctic, and boreal Sweden. *Biogeochemistry*, **2014**, 120, 105-120	3.8	40
156	Community perceptions of forest–water relationships in the Blue Nile Basin of Ethiopia. *Geo Journal*, **2014**, 79, 605-618	2.2	9
155	Representative regional sampling of carbon dioxide and methane concentrations in hemiboreal headwater streams reveal underestimates in less systematic approaches. *Global Biogeochemical Cycles*, **2014**, 28, 465-479	5.9	41
154	Intra-annual variability of organic carbon concentrations in running waters: Drivers along a climatic gradient. *Global Biogeochemical Cycles*, **2014**, 28, 451-464	5.9	48
153	Effect of climate change on soil temperature in Swedish boreal forests. *PLoS ONE*, **2014**, 9, e93957	3.7	68
152	Assessing anthropogenic impact on boreal lakes with historical fish species distribution data and hydrogeochemical modeling. *Global Change Biology*, **2014**, 20, 2752-64	11.4	16
151	Eye on the Taiga: Removing Global Policy Impediments to Safeguard the Boreal Forest. *Conservation Letters*, **2014**, 7, 408-418	6.9	47
150	The long-term hydrology of East Africa's water tower: statistical change detection in the watersheds of the Abbay Basin. *Regional Environmental Change*, **2014**, 14, 321-331	4.3	19

149	Acidification, Dissolved Organic Carbon (DOC) and Climate Change **2014**, 281-287		1
148	Water renewal along the aquatic continuum offsets cumulative retention by lakes: implications for the character of organic carbon in boreal lakes. *Aquatic Sciences*, **2013**, 75, 535-545	2.5	25
147	Significant interaction effects from sulfate deposition and climate on sulfur concentrations constitute major controls on methylmercury production in peatlands. *Geochimica Et Cosmochimica Acta*, **2013**, 102, 1-11	5.5	32
146	Impact of stump harvest on run-off concentrations of total mercury and methylmercury. *Forest Ecology and Management*, **2013**, 290, 83-94	3.9	32
145	Hydrological effects of clear-cutting in a boreal forest Snowpack dynamics, snowmelt and streamflow responses. *Journal of Hydrology*, **2013**, 484, 105-114	6	55
144	Integrated modeling of flow and residence times at the catchment scale with multiple interacting pathways. *Water Resources Research*, **2013**, 49, 4738-4750	5.4	61
143	Evasion of CO2 from streams - the dominant component of the carbon export through the aquatic conduit in a boreal landscape. *Global Change Biology*, **2013**, 19, 785-97	11.4	144
142	Hydrological change detection using modeling: Half a century of runoff from four rivers in the Blue Nile Basin. *Water Resources Research*, **2013**, 49, 3842-3851	5.4	28
141	Contrasting CO2 concentration discharge dynamics in headwater streams: A multi-catchment comparison. *Journal of Geophysical Research G: Biogeosciences*, **2013**, 118, 445-461	3.7	43
140	Drivers of increased organic carbon concentrations in stream water following forest disturbance: Separating effects of changes in flow pathways and soil warming. *Journal of Geophysical Research G: Biogeosciences*, **2013**, 118, 1814-1827	3.7	29
139	The Krycklan Catchment Study A flagship infrastructure for hydrology, biogeochemistry, and climate research in the boreal landscape. *Water Resources Research*, **2013**, 49, 7154-7158	5.4	172
138	Riparian zone control on base cation concentration in boreal streams. *Biogeosciences*, **2013**, 10, 3849-3868	4.6	43
137	Long-term patterns in dissolved organic carbon, major elements and trace metals in boreal headwater catchments: trends, mechanisms and heterogeneity. *Biogeosciences*, **2013**, 10, 2315-2330	4.6	70
136	Spatial patterns of some trace elements in four Swedish stream networks. *Biogeosciences*, **2013**, 10, 1407-1423	4.6	10
135	Summer rains and dry seasons in the upper Blue Nile Basin: the predictability of half a century of past and future spatiotemporal patterns. *PLoS ONE*, **2013**, 8, e68461	3.7	32
134	Spatial and temporal variation of THg concentrations in run-off water from 19 boreal catchments, 2000-2010. *Environmental Pollution*, **2012**, 164, 102-9	9.3	33
133	Bias correction of regional climate model simulations for hydrological climate-change impact studies: Review and evaluation of different methods. *Journal of Hydrology*, **2012**, 456-457, 12-29	6	930
132	Hydrology, forests and precipitation recycling: a reply to van der Ent et al. *Global Change Biology*, **2012**, 18, 3272-3274	11.4	3

131	Forestry Influence by Stump Harvest and Site Preparation on Methylmercury, Total Mercury and Other Stream Water Chemistry Parameters Across a Boreal Landscape. *Ecosystems*, **2012**, 15, 1308-1320	3.9	26
130	Problems with the reconciliation of good ecological status and public participation in the Water Framework Directive. *Science of the Total Environment*, **2012**, 433, 482-90	10.2	23
129	Effects of forestry operations on dissolved organic carbon concentrations and export in boreal first-order streams. *Journal of Geophysical Research*, **2012**, 117,		79
128	Specific discharge variability in a boreal landscape. *Water Resources Research*, **2012**, 48,	5.4	50
127	The relationship between land use and water. *Eos*, **2012**, 93, 259-259	1.5	5
126	Knockdown of Bardet-Biedl syndrome gene BBS9/PTHB1 leads to cilia defects. *PLoS ONE*, **2012**, 7, e34389	3.7	37
125	The influence of sulphate deposition on the seasonal variation of peat pore water methyl Hg in a boreal mire. *PLoS ONE*, **2012**, 7, e45547	3.7	19
124	On the forest cover□water yield debate: from demand- to supply-side thinking. *Global Change Biology*, **2012**, 18, 806-820	11.4	263
123	Riparian zone hydrology and soil water total organic carbon (TOC): implications for spatial variability and upscaling of lateral riparian TOC exports. *Biogeosciences*, **2012**, 9, 3901-3916	4.6	109
122	Mercury Cycling in Terrestrial Watersheds **2012**, 119-142		14
121	Spatiotemporal variability of the gas transfer coefficient (KCO2) in boreal streams: Implications for large scale estimates of CO2 evasion. *Global Biogeochemical Cycles*, **2011**, 25, n/a-n/a	5.9	95
120	Variability of groundwater levels and total organic carbon in the riparian zone of a boreal catchment. *Journal of Geophysical Research*, **2011**, 116,		35
119	Riparian soil temperature modification of the relationship between flow and dissolved organic carbon concentration in a boreal stream. *Water Resources Research*, **2011**, 47,	5.4	56
118	Increasing Dissolved Organic Carbon Redefines the Extent of Surface Water Acidification and Helps Resolve a Classic Controversy. *BioScience*, **2011**, 61, 614-618	5.7	40
117	Hydrological characterization of watersheds in the Blue Nile Basin, Ethiopia. *Hydrology and Earth System Sciences*, **2011**, 15, 11-20	5.5	30
116	The complementary power of pH and lake-water organic carbon reconstructions for discerning the influences on surface waters across decadal to millennial time scales. *Biogeosciences*, **2011**, 8, 2717-2727	4.6	14
115	Consequences of More Intensive Forestry for the Sustainable Management of Forest Soils and Waters. *Forests*, **2011**, 2, 243-260	2.8	59
114	Forests, Forestry and the Water Framework Directive in Sweden: A Trans-Disciplinary Commentary. *Forests*, **2011**, 2, 261-282	2.8	15

113	Paleoecological evidence of major declines in total organic carbon concentrations since the nineteenth century in four nemoboreal lakes. *Journal of Paleolimnology*, **2011**, 45, 507-518	2.1	25
112	Evaluation of different downscaling techniques for hydrological climate-change impact studies at the catchment scale. *Climate Dynamics*, **2011**, 37, 2087-2105	4.2	139
111	Patterns and Dynamics of Dissolved Organic Carbon (DOC) in Boreal Streams: The Role of Processes, Connectivity, and Scaling. *Ecosystems*, **2011**, 14, 880-893	3.9	281
110	Riparian zone influence on stream water dissolved organic carbon concentrations at the Swedish integrated monitoring sites. *Ambio*, **2011**, 40, 920-30	6.5	32
109	Storage as a Metric of Catchment Comparison. *Hydrological Processes*, **2011**, 25, 3364-3371	3.3	124
108	Water storage in a till catchment. I: Distributed modelling and relationship to runoff. *Hydrological Processes*, **2011**, 25, 3937-3949	3.3	27
107	Water storage in a till catchment. II: Implications of transmissivity feedback for flow paths and turnover times. *Hydrological Processes*, **2011**, 25, 3950-3959	3.3	67
106	Regulation of stream water dissolved organic carbon (DOC) concentrations during snowmelt; the role of discharge, winter climate and memory effects. *Biogeosciences*, **2010**, 7, 2901-2913	4.6	66
105	Modeling stream dissolved organic carbon concentrations during spring flood in the boreal forest: A simple empirical approach for regional predictions. *Journal of Geophysical Research*, **2010**, 115,		15
104	Direct and indirect effects of increasing dissolved organic carbon levels on pH in lakes recovering from acidification. *Journal of Geophysical Research*, **2010**, 115,		29
103	Temporal and spatial variability of dissolved inorganic carbon in a boreal stream network: Concentrations and downstream fluxes. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		81
102	Cold winter soils enhance dissolved organic carbon concentrations in soil and stream water. *Geophysical Research Letters*, **2010**, 37,	4.9	92
101	Direct Impacts of Climate Change on Freshwater Ecosystems **2010**, 38-64		26
100	Sensitivity of pH in a boreal stream network to a potential decrease in base cations caused by forest harvest. *Canadian Journal of Fisheries and Aquatic Sciences*, **2010**, 67, 1116-1125	2.4	16
99	Policy design for a multifunctional landscape. *Regional Environmental Change*, **2010**, 10, 339-348	4.3	10
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