

Kevin Bishop

List of Publications by Year in descending order

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Version: 2024-02-01

273
papers

15,588
citations

16451

64
h-index

26613

107
g-index

296
all docs

296
docs citations

296
times ranked

13632
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.4	1,315
2	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.	3.4	340
3	On the forest coverâ€“water yield debate: from demandâ€“to supplyâ€“side thinking. <i>Global Change Biology</i> , 2012, 18, 806-820.	9.5	332
4	Resolving the Double Paradox of rapidly mobilized old water with highly variable responses in runoff chemistry. <i>Hydrological Processes</i> , 2004, 18, 185-189.	2.6	300
5	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.	2.7	288
6	Thirtyâ€“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.	9.5	261
7	<i>Aqua Incognita</i> : the unknown headwaters. <i>Hydrological Processes</i> , 2008, 22, 1239-1242.	2.6	246
8	Human domination of the global water cycle absent from depictions and perceptions. <i>Nature Geoscience</i> , 2019, 12, 533-540.	12.9	245
9	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.	5.4	223
10	Future agriculture with minimized phosphorus losses to waters: Research needs and direction. <i>Ambio</i> , 2015, 44, 163-179.	5.5	210
11	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.	4.2	207
12	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.	5.2	199
13	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.	4.9	197
14	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, .	4.2	176
15	Evasion of CO_2 from streams â€“ The dominant component of the carbon export through the aquatic conduit in a boreal landscape. <i>Global Change Biology</i> , 2013, 19, 785-797.	9.5	175
16	Evaluation of different downscaling techniques for hydrological climate-change impact studies at the catchment scale. <i>Climate Dynamics</i> , 2011, 37, 2087-2105.	3.8	160
17	Title is missing!. <i>Biogeochemistry</i> , 1998, 40, 101-113.	3.5	154
18	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, .	3.3	145

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19	Storage as a Metric of Catchment Comparison. <i>Hydrological Processes</i> , 2011, 25, 3364-3371.	2.6	142
20	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.	5.1	140
21	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.	4.2	139
22	Dissolved Inorganic Carbon Export Across the Soil/Stream Interface and Its Fate in a Boreal Headwater Stream. <i>Environmental Science & Technology</i> , 2009, 43, 7364-7369.	10.0	138
23	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.	2.6	134
24	Groundwater dynamics along a hillslope: A test of the steady state hypothesis. <i>Water Resources Research</i> , 2003, 39, .	4.2	133
25	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, .	3.3	125
26	Salt water intrusion in the coastal aquifer of the southern Po Plain, Italy. <i>Hydrogeology Journal</i> , 2008, 16, 1541-1556.	2.1	121
27	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.	3.3	121
28	Spatiotemporal variability of the gas transfer coefficient (K_{CO_2}) in boreal streams: Implications for large scale estimates of CO_2 evasion. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	118
29	Integrating aquatic carbon fluxes in a boreal catchment carbon budget. <i>Journal of Hydrology</i> , 2007, 334, 141-150.	5.4	116
30	Title is missing!. , 2002, 64, 269-281.		108
31	Effects of forestry operations on dissolved organic carbon concentrations and export in boreal first-order streams. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	107
32	Is a Universal Model of Organic Acidity Possible: A Comparison of the Acid/Base Properties of Dissolved Organic Carbon in the Boreal and Temperate Zones. <i>Environmental Science & Technology</i> , 2003, 37, 1726-1730.	10.0	106
33	Upscaling Nitrogen Removal Capacity from Local Hotspots to Low Stream Order Drainage Basins. <i>Ecosystems</i> , 2015, 18, 1101-1120.	3.4	104
34	Variations of bioavailable Sr concentration and $^{87}Sr/^{86}Sr$ ratio in boreal forest ecosystems. <i>Biogeochemistry</i> , 2004, 67, 1-20.	3.5	101
35	Spatial Variation of Streamwater Chemistry in Two Swedish Boreal Catchments: Implications for Environmental Assessment. <i>Environmental Science & Technology</i> , 2005, 39, 1463-1469.	10.0	101
36	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, .	3.3	100

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37	Cold winter soils enhance dissolved organic carbon concentrations in soil and stream water. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	100
38	Oxygen 18 fractionation during snowmelt: Implications for spring flood hydrograph separation. <i>Water Resources Research</i> , 2002, 38, 40-1-40-10.	4.2	97
39	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.	2.4	95
40	Consequences of mixing assumptions for timeâ€variable travel time distributions. <i>Hydrological Processes</i> , 2015, 29, 3460-3474.	2.6	93
41	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, 752-762.	3.9	91
42	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.	2.9	91
43	Challenges of Reducing Phosphorus Based Water Eutrophication in the Agricultural Landscapes of Northwest Europe. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	91
44	Recent advances in understanding and measurement of mercury in the environment: Terrestrial Hg cycling. <i>Science of the Total Environment</i> , 2020, 721, 137647.	8.0	91
45	Effect of Climate Change on Soil Temperature in Swedish Boreal Forests. <i>PLoS ONE</i> , 2014, 9, e93957.	2.5	90
46	A test of TOPMODEL'a ability to predict spatially distributed groundwater levels. <i>Hydrological Processes</i> , 1997, 11, 1131-1144.	2.6	87
47	Simulating interactions between saturated and unsaturated storage in a conceptual runoff model. <i>Hydrological Processes</i> , 2003, 17, 379-390.	2.6	87
48	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.	3.2	86
49	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.	5.1	83
50	Mode of Transport of Surfaceâ€Applied Phosphorusâ€33 through a Clay and Sandy Soil. <i>Journal of Environmental Quality</i> , 1999, 28, 1273-1282.	2.0	82
51	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.	3.3	82
52	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.	3.3	81
53	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.	2.6	80
54	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.	3.3	78

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55	Potential for long-term transfer of dissolved organic carbon from riparian zones to streams in boreal catchments. <i>Global Change Biology</i> , 2015, 21, 2963-2979.	9.5	76
56	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.	4.2	73
57	Hydrological response to changing climate conditions: Spatial streamflow variability in the boreal region. <i>Water Resources Research</i> , 2015, 51, 9425-9446.	4.2	71
58	Towards an Improved Conceptualization of Riparian Zones in Boreal Forest Headwaters. <i>Ecosystems</i> , 2018, 21, 297-315.	3.4	71
59	Response of Dissolved Organic Carbon following Forest Harvesting in a Boreal Forest. <i>Ambio</i> , 2009, 38, 381-386.	5.5	70
60	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.	4.2	69
61	The Effects of Forestry on Hg Bioaccumulation in Nemoral/Boreal Waters and Recommendations for Good Silvicultural Practice. <i>Ambio</i> , 2009, 38, 373-380.	5.5	69
62	Hydrological effects of clear-cutting in a boreal forest – Snowpack dynamics, snowmelt and streamflow responses. <i>Journal of Hydrology</i> , 2013, 484, 105-114.	5.4	69
63	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.	8.2	69
64	Mercury flow through an Asian rice-based food web. <i>Environmental Pollution</i> , 2017, 229, 219-228.	7.5	69
65	Consequences of More Intensive Forestry for the Sustainable Management of Forest Soils and Waters. <i>Forests</i> , 2011, 2, 243-260.	2.1	68
66	Identification of the riparian sources of aquatic dissolved organic carbon. <i>Environment International</i> , 1994, 20, 11-19.	10.0	67
67	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.	8.0	67
68	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.	8.0	66
69	The Full Annual Carbon Balance of Boreal Forests Is Highly Sensitive to Precipitation. <i>Environmental Science and Technology Letters</i> , 2014, 1, 315-319.	8.7	65
70	Toward catchment hydrobiogeochemical theories. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1495.	6.5	65
71	Landscape Control of Stream Water Aluminum in a Boreal Catchment during Spring Flood. <i>Environmental Science & Technology</i> , 2006, 40, 3494-3500.	10.0	63
72	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, 4639-4645.	10.0	63

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73	Integrated modeling of flow and residence times at the catchment scale with multiple interacting pathways. <i>Water Resources Research</i> , 2013, 49, 4738-4750.	4.2	63
74	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, 154-166.	8.0	62
75	Controls on snowmelt water mean transit times in northern boreal catchments. <i>Hydrological Processes</i> , 2010, 24, 1672-1684.	2.6	62
76	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, .	4.2	62
77	Carbon dioxide transport across the hillslopeâ€“riparianâ€“stream continuum in a boreal headwater catchment. <i>Biogeosciences</i> , 2015, 12, 1881-1892.	3.3	61
78	Soil frost effects on soil water and runoff dynamics along a boreal transect: 2. Simulations. <i>Hydrological Processes</i> , 2001, 15, 927-941.	2.6	60
79	The role of biogeochemical hotspots, landscape heterogeneity, and hydrological connectivity for minimizing forestry effects on water quality. <i>Ambio</i> , 2016, 45, 152-162.	5.5	60
80	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.	1.4	59
81	Intraâ€“annual variability of organic carbon concentrations in running waters: Drivers along a climatic gradient. <i>Global Biogeochemical Cycles</i> , 2014, 28, 451-464.	4.9	59
82	Soil frost and runoff at Svartberget, northern Sweden-measurements and model analysis. <i>Hydrological Processes</i> , 2002, 16, 3379-3392.	2.6	58
83	Forest Cover and Stream Flow in a Headwater of the Blue Nile: Complementing Observational Data Analysis with Community Perception. <i>Ambio</i> , 2010, 39, 284-294.	5.5	58
84	Landscape controls on spatiotemporal discharge variability in a boreal catchment. <i>Water Resources Research</i> , 2016, 52, 6541-6556.	4.2	58
85	High methylmercury formation in ponds fueled by fresh humic and algal derived organic matter. <i>Limnology and Oceanography</i> , 2018, 63, S44.	3.1	58
86	Reviews and syntheses: Biological weathering and its consequences at different spatial levels â€“ from nanoscale to global scale. <i>Biogeosciences</i> , 2020, 17, 1507-1533.	3.3	58
87	Specific discharge variability in a boreal landscape. <i>Water Resources Research</i> , 2012, 48, .	4.2	56
88	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, 4690-4698.	10.0	55
89	Eye on the Taiga: Removing Global Policy Impediments to Safeguard the Boreal Forest. <i>Conservation Letters</i> , 2014, 7, 408-418.	5.7	54
90	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.	2.6	54

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91	Forest Harvest Increases Runoff Most during Low Flows in Two Boreal Streams. <i>Ambio</i> , 2009, 38, 357-363.	5.5	53
92	Contrasting CO ₂ concentration discharge dynamics in headwater streams: A multi-catchment comparison. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2013, 118, 445-461.	3.0	53
93	Mercury methylating microbial communities of boreal forest soils. <i>Scientific Reports</i> , 2019, 9, 518.	3.3	53
94	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.	5.4	52
95	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.	1.4	51
96	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.	4.0	51
97	Riparian zone control on base cation concentration in boreal streams. <i>Biogeosciences</i> , 2013, 10, 3849-3868.	3.3	51
98	Managing Swedish forestry's impact on mercury in fish: Defining the impact and mitigation measures. <i>Ambio</i> , 2016, 45, 163-174.	5.5	50
99	Simulating streamflow in ungauged basins under a changing climate: The importance of landscape characteristics. <i>Journal of Hydrology</i> , 2018, 561, 160-178.	5.4	50
100	Knockdown of Bardet-Biedl Syndrome Gene BBS9/PTHB1 Leads to Cilia Defects. <i>PLoS ONE</i> , 2012, 7, e34389.	2.5	49
101	Reticular dysgenesis-associated AK2 protects hematopoietic stem and progenitor cell development from oxidative stress. <i>Journal of Experimental Medicine</i> , 2015, 212, 1185-1202.	8.5	49
102	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.	7.5	49
103	Carbon dioxide and methane emissions of Swedish low-order streams: a national estimate and lessons learnt from more than a decade of observations. <i>Limnology and Oceanography Letters</i> , 2018, 3, 156-167.	3.9	49
104	Water transit times and flow paths from two line injections of ³ H and ³⁶ Cl in a microcatchment at Gårdsjöån, Sweden. <i>Hydrological Processes</i> , 1999, 13, 1557-1575.	2.6	48
105	Acid/base character of organic acids in a boreal stream during snowmelt. <i>Water Resources Research</i> , 2001, 37, 1043-1056.	4.2	48
106	Spatial heterogeneity of the spring flood acid pulse in a boreal stream network. <i>Science of the Total Environment</i> , 2008, 407, 708-722.	8.0	48
107	Current forest carbon fixation fuels stream CO ₂ emissions. <i>Nature Communications</i> , 2019, 10, 1876.	12.8	48
108	Mercury biogeochemical cycling: A synthesis of recent scientific advances. <i>Science of the Total Environment</i> , 2020, 737, 139619.	8.0	48

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109	Localization of tree water uptake in Scots pine and Norway spruce with hydrological tracers. Canadian Journal of Forest Research, 1995, 25, 286-297.	1.7	47
110	Patterns and drivers of riverine nitrogen (N) across alpine, subarctic, and boreal Sweden. Biogeochemistry, 2014, 120, 105-120.	3.5	47
111	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.	4.9	47
112	Hillslope permeability architecture controls on subsurface transit time distribution and flow paths. Journal of Hydrology, 2016, 543, 17-30.	5.4	47
113	Stable Carbon Isotopes Reveal Soil-Stream DIC Linkages in Contrasting Headwater Catchments. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 149-167.	3.0	47
114	Modeling preindustrial ANC and pH during the spring flood in northern Sweden. Biogeochemistry, 2001, 54, 171-195.	3.5	46
115	Increasing Dissolved Organic Carbon Redefines the Extent of Surface Water Acidification and Helps Resolve a Classic Controversy. BioScience, 2011, 61, 614-618.	4.9	46
116	Modelling the effect of low soil temperatures on transpiration by Scots pine. Hydrological Processes, 2006, 20, 1929-1944.	2.6	45
117	The Role of Subsoil as a Source or Sink for Phosphorus Leaching. Journal of Environmental Quality, 2015, 44, 535-544.	2.0	45
118	Formation of mercury methylation hotspots as a consequence of forestry operations. Science of the Total Environment, 2018, 613-614, 1069-1078.	8.0	45
119	Northern landscapes in transition: Evidence, approach and ways forward using the Krycklan Catchment Study. Hydrological Processes, 2021, 35, e14170.	2.6	45
120	Xylem sap composition: A tool for investigating mineral uptake and cycling in adult spruce. Plant and Soil, 1995, 168-169, 233-241.	3.7	44
121	Mercury evasion from a boreal peatland shortens the timeline for recovery from legacy pollution. Scientific Reports, 2017, 7, 16022.	3.3	44
122	A water cycle for the Anthropocene. Hydrological Processes, 2019, 33, 3046-3052.	2.6	44
123	Modeling the dissolved organic carbon output from a boreal mire using the convection-dispersion equation: Importance of representing sorption. Water Resources Research, 2008, 44, .	4.2	43
124	Variability of groundwater levels and total organic carbon in the riparian zone of a boreal catchment. Journal of Geophysical Research, 2011, 116, .	3.3	42
125	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.	3.9	42
126	Ecosystem services in the Swedish water-energy-food-land-climate nexus: Anthropogenic pressures and physical interactions. Ecosystem Services, 2020, 44, 101141.	5.4	42

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127	Natural acidity or anthropogenic acidification in the spring flood of northern Sweden?. <i>Science of the Total Environment</i> , 1999, 234, 63-73.	8.0	41
128	Riparian Zone Influence on Stream Water Dissolved Organic Carbon Concentrations at the Swedish Integrated Monitoring Sites. <i>Ambio</i> , 2011, 40, 920-930.	5.5	41
129	Spatial and temporal variations of base cation release from chemical weathering on a hillslope scale. <i>Chemical Geology</i> , 2016, 441, 1-13.	3.3	41
130	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.	2.5	41
131	Modelling variability of snow depths and soil temperatures in Scots pine stands. <i>Agricultural and Forest Meteorology</i> , 2005, 133, 109-118.	4.8	40
132	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.	8.0	40
133	Nitrous oxide emissions from streams in a Swedish agricultural catchment. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 295-303.	5.3	39
134	Particulate phosphorus and suspended solids losses from small agricultural catchments: Links to stream and catchment characteristics. <i>Science of the Total Environment</i> , 2020, 711, 134616.	8.0	39
135	Episodic stream water pH decline during autumn storms following a summer drought in northern Sweden. <i>Hydrological Processes</i> , 2002, 16, 1725-1733.	2.6	38
136	Evolution of soil solution aluminum during transport along a forested boreal hillslope. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	38
137	Hydrological characterization of watersheds in the Blue Nile Basin, Ethiopia. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 11-20.	4.9	38
138	Impact of stump harvest on run-off concentrations of total mercury and methylmercury. <i>Forest Ecology and Management</i> , 2013, 290, 83-94.	3.2	38
139	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.	8.0	38
140	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.	9.5	38
141	Shifts in mercury methylation across a peatland chronosequence: From sulfate reduction to methanogenesis and syntrophy. <i>Journal of Hazardous Materials</i> , 2020, 387, 121967.	12.4	38
142	Methylmercury output from the Svartberget Catchment in northern Sweden during spring flood. <i>Water, Air, and Soil Pollution</i> , 1995, 80, 445-454.	2.4	37
143	Organic carbon in the boreal spring flood from adjacent subcatchments. <i>Environment International</i> , 1996, 22, 535-540.	10.0	37
144	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, 364-372.	5.5	37

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145	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.	3.4	36
146	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, .	3.3	35
147	Spatial and temporal variation of THg concentrations in run-off water from 19 boreal catchments, 2000–2010. <i>Environmental Pollution</i> , 2012, 164, 102-109.	7.5	35
148	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.	3.0	35
149	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.	5.4	35
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.	1.7	34
151	The assumption of uniform specific discharge: unsafe at any time?. <i>Hydrological Processes</i> , 2016, 30, 3978-3988.	2.6	31
152	Managing Forests for Both Downstream and Downwind Water. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.3	30
153	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, 121-130.	7.5	29
154	Seasonal and runoff-related changes in total organic carbon concentrations in the River Åre, Northern Sweden. <i>Aquatic Sciences</i> , 2008, 70, 21-29.	1.5	29
155	Water storage in a till catchment. I: Distributed modelling and relationship to runoff. <i>Hydrological Processes</i> , 2011, 25, 3937-3949.	2.6	29
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