Martyn N. Futter

List of Publications by Year
in descending order

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245 papers	14,866 citations	20817 60 h-index	26613 107 g-index
253 all docs	253 docs citations	253 times ranked	13100 citing authors

#	Article	IF	Citations
1	Spatial and temporal variation in Arctic freshwater chemistryâ€”Reflecting climateâ€induced landscape alterations and a changing template for biodiversity. Freshwater Biology, 2022, 67, 14-29.	2.4	20
2	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.	3.3	4
3	Stakeholders' Perspectives on Microplastics in Sludge Applied to Agricultural Land. Frontiers in Sustainable Food Systems, 2022, 6, .	3.9	1
4	Presence of nanoplastics in rural and remote surface waters. Environmental Research Letters, 2022, 17, 054036.	5.2	52
5	Assessing the potential for sea-based macroalgae cultivation and its application for nutrient removal in the Baltic Sea. Science of the Total Environment, 2022, 839, 156230.	8.0	9
6	Toward catchment hydroâ€biogeochemical theories. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1495.	6.5	65
7	Nutrient Load Mitigation with Wintertime Cover as Estimated by the INCA Model. Water (Switzerland), 2021, 13, 450.	2.7	5
8	A New, Catchment-Scale Integrated Water Quality Model of Phosphorus, Dissolved Oxygen, Biochemical Oxygen Demand and Phytoplankton: INCA-Phosphorus Ecology (PEco). Water (Switzerland), 2021, 13, 723.	2.7	13
9	Global importance of methane emissions from drainage ditches and canals. Environmental Research Letters, 2021, 16, 044010.	5.2	45
10	Development of Aerial Photos and LIDAR Data Approaches to Map Spatial and Temporal Evolution of Ditch Networks in Peat-Dominated Catchments. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, .	1.0	6
11	Future changes in the Dominant Source Layer of riparian lateral water fluxes in a subhumid Mediterranean catchment. Journal of Hydrology, 2021, 595, 126014.	5.4	4
12	Northern landscapes in transition: Evidence, approach and ways forward using the Krycklan Catchment Study. Hydrological Processes, 2021, 35, e14170.	2.6	45
13	Variability in fluvial suspended and streambed sediment phosphorus fractions among small agricultural streams. Journal of Environmental Quality, 2021, 50, 612-626.	2.0	3
14	Simulation of water and chemical transport of chloride from the forest ecosystem to the stream. Environmental Modelling and Software, 2021, 138, 104984.	4.5	8
15	Trilemma of Nordicâ€“Baltic Forestryâ€”How to Implement UN Sustainable Development Goals. Sustainability, 2021, 13, 5643.	3.2	9
16	Microplastics in terrestrial ecosystems: Moving beyond the state of the art to minimize the risk of ecological surprise. Global Change Biology, 2021, 27, 3969-3986.	9.5	88
17	A 25-year retrospective analysis of factors influencing success of aluminum treatment for lake restoration. Water Research, 2021, 200, 117267.	11.3	4
18	Stakeholder Perspectives on Blue Mussel Farming to Mitigate Baltic Sea Eutrophication. Sustainability, 2021, 13, 9180.	3.2	3

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19	Elevated temperature and browning increase dietary methylmercury, but decrease essential fatty acids at the base of lake food webs. Scientific Reports, 2021, 11, 16859.	3.3	7
20	Where and When to Collect Tracer Data to Diagnose Hillslope Permeability Architecture. Water Resources Research, 2021, 57, e2020WR028719.	4.2	2
21	Brownification on hold: What traditional analyses miss in extended surface water records. Water Research, 2021, 203, 117544.	11.3	15
22	Significant Emissions From Forest Drainage Ditchesâ€"An Unaccounted Term in Anthropogenic Greenhouse Gas Inventories?. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006478.	3.0	12
23	Influence of the Landscape Template on Chemical and Physical Habitat for Brown Trout Within a Boreal Stream Network. Frontiers in Water, 2021, 3, .	2.3	1
24	Effect of DEM-smoothing and -aggregation on topographically-based flow directions and catchment boundaries. Journal of Hydrology, 2021, 602, 126717.	5.4	12
25	Longer Growing Seasons Cause Hydrological Regime Shifts in Central European Forests. Forests, 2021, 12, 1656.	2.1	9
26	Turbidityâ€discharge hysteresis in a mesoâ€scale catchment: The importance of intermediate scale events. Hydrological Processes, 2021, 35, e14435.	2.6	4
27	Cleaning up seas using blue growth initiatives: Mussel farming for eutrophication control in the Baltic Sea. Science of the Total Environment, 2020, 709, 136144.	8.0	63
28	Drivers of longâ€term invertebrate community stability in changing Swedish lakes. Global Change Biology, 2020, 26, 1259-1270.	9.5	19
29	Particulate phosphorus and suspended solids losses from small agricultural catchments: Links to stream and catchment characteristics. Science of the Total Environment, 2020, 711, 134616.	8.0	39
30	Landâ€use dominates climate controls on nitrogen and phosphorus export from managed and natural Nordic headwater catchments. Hydrological Processes, 2020, 34, 4831-4850.	2.6	20
31	Optimization of aluminum treatment efficiency to control internal phosphorus loading in eutrophic lakes. Water Research, 2020, 185, 116150.	11.3	21
32	New Insights Into Legacy Phosphorus From Fractionation of Streambed Sediment. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005763.	3.0	17
33	Potential impacts of a future Nordic bioeconomy on surface water quality. Ambio, 2020, 49, 1722-1735.	5.5	31
34	Recent advances in understanding and measurement of mercury in the environment: Terrestrial Hg cycling. Science of the Total Environment, 2020, 721, 137647.	8.0	91
35	Transfer and transport of microplastics from biosolids to agricultural soils and the wider environment. Science of the Total Environment, 2020, 724, 138334.	8.0	210
36	Lagged rejuvenation of groundwater indicates internal flow structures and hydrological connectivity. Hydrological Processes, 2020, 34, 2176-2189.	2.6	15

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37	Conceptual Mini-Catchment Typologies for Testing Dominant Controls of Nutrient Dynamics in Three Nordic Countries. Water (Switzerland), 2020, 12, 1776.	2.7	12
38	Response to a letter to editor regarding Kotta et al. 2020: Cleaning up seas using blue growth initiatives: Mussel farming for eutrophication control in the Baltic Sea. Science of the Total Environment, 2020, 739, 138712.	8.0	2
39	Reviews and syntheses: Biological weathering and its consequences at different spatial levels â€“ from nanoscale to global scale. Biogeosciences, 2020, 17, 1507-1533.	3.3	58
40	Forest-Water Interactions Under Global Change. Ecological Studies, 2020, , 589-624.	1.2	20
41	A water cycle for the Anthropocene. Hydrological Processes, 2019, 33, 3046-3052.	2.6	44
42	Managing Forests for Both Downstream and Downwind Water. Frontiers in Forests and Global Change, 2019, 2, .	2.3	30
43	Ecohydrological consequences of tree removal in an urban park evaluated using open data, free software and a minimalist measuring campaign. Science of the Total Environment, 2019, 655, 1495-1504.	8.0	18
44	Human domination of the global water cycle absent from depictions and perceptions. Nature Geoscience, 2019, 12, 533-540.	12.9	245
45	Weathering rates in Swedish forest soils. Biogeosciences, 2019, 16, 4429-4450.	3.3	11
46	An evaluation of high frequency turbidity as a proxy for riverine total phosphorus concentrations. Science of the Total Environment, 2019, 651, 103-113.	8.0	32
47	Optimizing land management strategies for maximum improvements in lake dissolved oxygen concentrations. Science of the Total Environment, 2019, 652, 382-397.	8.0	24
48	Commentary: A (Mostly) Hydrological Commentary on the Small Retention Programs in the Polish Forests. , 2019, , 39-43.		1
49	Minimal climate change impacts on natural organic matter forecasted for a potable water supply in Ireland. Science of the Total Environment, 2018, 630, 869-877.	8.0	9
50	From wicked problem to governable entity? The effects of forestry on mercury in aquatic ecosystems. Forest Policy and Economics, 2018, 90, 90-96.	3.4	9
51	Flows and sediment dynamics in the Ganga River under present and future climate scenarios. Hydrological Sciences Journal, 2018, 63, 763-782.	2.6	38
52	Estimation of p,pâ€™-DDT degradation in soil by modeling and constraining hydrological and biogeochemical controls. Environmental Pollution, 2018, 239, 179-188.	7.5	4
53	Carbon dioxide and methane emissions of Swedish lowâ€order streamsâ€”a national estimate and lessons learnt from more than a decade of observations. Limnology and Oceanography Letters, 2018, 3, 156-167.	3.9	49
54	Does forest harvest increase the mercury concentrations in fish? Evidence from Swedish lakes. Science of the Total Environment, 2018, 622-623, 1353-1362.	8.0	19

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55	Pipes or chimneys? For carbon cycling in small boreal lakes, precipitation matters most. Limnology and Oceanography Letters, 2018, 3, 275-284.	3.9	30
56	Simulating streamflow in ungauged basins under a changing climate: The importance of landscape characteristics. Journal of Hydrology, 2018, 561, 160-178.	5.4	50
57	Water quality assessment and catchment-scale nutrient flux modeling in the Ramganga River Basin in north India: An application of INCA model. Science of the Total Environment, 2018, 631-632, 201-215.	8.0	29
58	Towards an Improved Conceptualization of Riparian Zones in Boreal Forest Headwaters. Ecosystems, 2018, 21, 297-315.	3.4	71
59	Persistent and widespread long-term phosphorus declines in Boreal lakes in Sweden. Science of the Total Environment, 2018, 613-614, 240-249.	8.0	60
60	High methylmercury formation in ponds fueled by fresh humic and algal derived organic matter. Limnology and Oceanography, 2018, 63, S44.	3.1	58
61	Understanding Dissolved Organic Matter Reactivity and Composition in Lakes and Streams Using Proton-Transfer-Reaction Mass Spectrometry (PTR-MS). Environmental Science and Technology Letters, 2018, 5, 739-744.	8.7	9
62	Currently legislated decreases in nitrogen deposition will yield only limited plant species recovery in European forests. Environmental Research Letters, 2018, 13, 125010.	5.2	32
63	Peatland ditch blocking has no effect on dissolved organic matter (<scp>DOM</scp>) quality. Hydrological Processes, 2018, 32, 3891-3906.	2.6	16
64	Statistical models for evaluating suspected artefacts in long-term environmental monitoring data. Environmental Monitoring and Assessment, 2018, 190, 558.	2.7	4
65	Modelling study of soil C, N and pH response to air pollution and climate change using European LTER site observations. Science of the Total Environment, 2018, 640-641, 387-399.	8.0	17
66	Stream Dissolved Organic Matter Composition Reflects the Riparian Zone, Not Upslope Soils in Boreal Forest Headwaters. Water Resources Research, 2018, 54, 3896-3912.	4.2	24
67	Studies of the effects of microplastics on aquatic organisms: What do we know and where should we focus our efforts in the future?. Science of the Total Environment, 2018, 645, 1029-1039.	8.0	881
68	Modelling metaldehyde in catchments: a River Thames case-study. Environmental Sciences: Processes and Impacts, 2017, 19, 586-595.	3.5	19
69	Soil temperature responses to climate change along a gradient of uplandâ€“riparian transect in boreal forest. Climatic Change, 2017, 143, 27-41.	3.6	14
70	Primary weathering rates, water transit times, and concentrationâ€discharge relations: A theoretical analysis for the critical zone. Water Resources Research, 2017, 53, 942-960.	4.2	73
71	Variability in organic carbon reactivity across lake residence time and trophic gradients. Nature Geoscience, 2017, 10, 832-835.	12.9	114
72	Ecological resilience in lakes and the conjunction fallacy. Nature Ecology and Evolution, 2017, 1, 1616-1624.	7.8	52

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73	Meta-analysis of environmental effects of beaver in relation to artificial dams. Environmental Research Letters, 2017, 12, 113002.	5.2	46
74	Soil moisture storage estimation based on steady vertical fluxes under equilibrium. Journal of Hydrology, 2017, 553, 798-804.	5.4	4
75	Multiple sources and sinks of dissolved inorganic carbon across Swedish streams, refocusing the lens of stable C isotopes. Scientific Reports, 2017, 7, 9158.	3.3	81
76	Consequences of intensive forest harvesting on the recovery of Swedish lakes from acidification and on critical load exceedances. Science of the Total Environment, 2017, 603-604, 562-569.	8.0	15
77	Gridded climate data products are an alternative to instrumental measurements as inputs to rainfallâ€“runoff models. Hydrological Processes, 2017, 31, 3283-3293.	2.6	29
78	Spatial distribution and source tracing of per- and polyfluoroalkyl substances (PFASs) in surface water in Northern Europe. Environmental Pollution, 2017, 220, 1438-1446.	7.5	87
79	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.	3.2	19
80	Water storage dynamics in a till hillslope: the foundation for modeling flows and turnover times. Hydrological Processes, 2017, 31, 4-14.	2.6	16
81	Mercury evasion from a boreal peatland shortens the timeline for recovery from legacy pollution. Scientific Reports, 2017, 7, 16022.	3.3	44
82	Using dry and wet year hydroclimatic extremes to guide future hydrologic projections. Hydrology and Earth System Sciences, 2016, 20, 2811-2825.	4.9	15
83	A Hydrological Concept including Lateral Water Flow Compatible with the Biogeochemical Model ForSAFE. Hydrology, 2016, 3, 11.	3.0	7
84	Effects of conservation strip and crop type on natural enemies of <scp>D</scp>elia radicum. Journal of Applied Entomology, 2016, 140, 287-298.	1.8	3
85	Sensitivity of stream dissolved organic carbon to temperature and discharge: Implications of future climates. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 126-144.	3.0	20
86	Managing Swedish forestryâ€™s impact on mercury in fish: Defining the impact and mitigation measures. Ambio, 2016, 45, 163-174.	5.5	50
87	The role of biogeochemical hotspots, landscape heterogeneity, and hydrological connectivity for minimizing forestry effects on water quality. Ambio, 2016, 45, 152-162.	5.5	60
88	Can recovery from disturbance explain observed declines in total phosphorus in Precambrian Shield catchments?. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1202-1212.	1.4	16
89	An INCA model for pathogens in rivers and catchments: Model structure, sensitivity analysis and application to the River Thames catchment, UK. Science of the Total Environment, 2016, 572, 1601-1610.	8.0	31
90	Boreal forest riparian zones regulate stream sulfate and dissolved organic carbon. Science of the Total Environment, 2016, 560-561, 110-122.	8.0	50

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91	Are Agricultural Soils Dumps for Microplastics of Urban Origin?. Environmental Science & Technology, 2016, 50, 10777-10779.	10.0	1,014
92	Pollution: Do microplastics spill on to farm soils?. Nature, 2016, 537, 488-488.	27.8	240
93	The effectiveness and resilience of phosphorus management practices in the Lake Simcoe watershed, Ontario, Canada. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2390-2409.	3.0	8
94	Current Browning of Surface Waters Will Be Further Promoted by Wetter Climate. Environmental Science and Technology Letters, 2016, 3, 430-435.	8.7	257
95	Aquatic DOC export from subarctic Atlantic blanket bog in Norway is controlled by seasalt deposition, temperature and precipitation. Biogeochemistry, 2016, 127, 305-321.	3.5	27
96	Persistent Organic Pollutants in Streamwater: Influence of Hydrological Conditions and Landscape Type. Environmental Science & Technology, 2016, 50, 7416-7424.	10.0	17
97	Conceptualizing and communicating management effects on forest water quality. Ambio, 2016, 45, 188-202.	5.5	27
98	A theoretical assessment of microplastic transport in river catchments and their retention by soils and river sediments. Environmental Sciences: Processes and Impacts, 2016, 18, 1050-1059.	3.5	455
99	Constitution of a catchment virtual observatory for sharing flow and transport models outputs. Journal of Hydrology, 2016, 543, 59-66.	5.4	14
100	Fate and transport of polychlorinated biphenyls (PCBs) in the River Thames catchment â€“ Insights from a coupled multimedia fate and hydrobiogeochemical transport model. Science of the Total Environment, 2016, 572, 1461-1470.	8.0	29
101	Modeling nonlinear responses of DOC transport in boreal catchments in Sweden. Water Resources Research, 2016, 52, 4970-4989.	4.2	9
102	Nitrogen dynamics in managed boreal forests: Recent advances and future research directions. Ambio, 2016, 45, 175-187.	5.5	76
103	Assessment of contaminant fate in catchments using a novel integrated hydrobiogeochemical-multimedia fate model. Science of the Total Environment, 2016, 544, 553-563.	8.0	30
104	Ecological Instability in Lakes: A Predictable Condition?. Environmental Science & Technology, 2016, 50, 3285-3286.	10.0	10
105	Perfluoroalkyl substances (PFAS) in river and ground/drinking water of the Ganges River basin: Emissions and implications for human exposure. Environmental Pollution, 2016, 208, 704-713.	7.5	189
106	Longevity and effectiveness of aluminum addition to reduce sediment phosphorus release and restore lake water quality. Water Research, 2016, 97, 122-132.	11.3	141
107	In-lake measures for phosphorus control: The most feasible and cost-effective solution for long-term management of water quality in urban lakes. Water Research, 2016, 97, 142-152.	11.3	121
108	Assessing temporal scales and patterns in time series: Comparing methods based on redundancy analysis. Ecological Complexity, 2015, 22, 162-168.	2.9	25

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109	The relative influence of land cover, hydrology, and inâ€stream processing on the composition of dissolved organic matter in boreal streams. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1491-1505.	3.0	84
110	Localâ€•and landscapeâ€scale impacts of clearâ€cuts and climate change on surface water dissolved organic carbon in boreal forests. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2402-2426.	3.0	23
111	Hydrological footprints of urban developments in the Lake Simcoe watershed, Canada: a combined pairedâ€catchment and change detection modelling approach. Hydrological Processes, 2015, 29, 1829-1843.	2.6	14
112	Modelling impacts of seasonal wastewater treatment plant effluent permits and biosolid substitution for phosphorus management in catchments and river systems. Hydrology Research, 2015, 46, 313-324.	2.7	6
113	Parsimonious Model for Simulating Total Mercury and Methylmercury in Boreal Streams Based on Riparian Flow Paths and Seasonality. Environmental Science & Technology, 2015, 49, 7851-7859.	10.0	18
114	Upscaling Nitrogen Removal Capacity from Local Hotspots to Low Stream Ordersâ€™ Drainage Basins. Ecosystems, 2015, 18, 1101-1120.	3.4	104
115	Rainfall runoff modelling of the Upper Ganga and Brahmaputra basins using PERSiST. Environmental Sciences: Processes and Impacts, 2015, 17, 1070-1081.	3.5	22
116	Patterns and predictability in the intra-annual organic carbon variability across the boreal and hemiboreal landscape. Science of the Total Environment, 2015, 520, 260-269.	8.0	15
117	Impact of Beaver Pond Colonization History on Methylmercury Concentrations in Surface Water. Environmental Science & Technology, 2015, 49, 12679-12687.	10.0	20
118	Dynamic modeling of the Ganga river system: impacts of future climate and socio-economic change on flows and nitrogen fluxes in India and Bangladesh. Environmental Sciences: Processes and Impacts, 2015, 17, 1082-1097.	3.5	73
119	Assessing the impacts of climate change and socio-economic changes on flow and phosphorus flux in the Ganga river system. Environmental Sciences: Processes and Impacts, 2015, 17, 1098-1110.	3.5	35
120	Impacts of climate change and socio-economic scenarios on flow and water quality of the Ganges, Brahmaputra and Meghna (GBM) river systems: low flow and flood statistics. Environmental Sciences: Processes and Impacts, 2015, 17, 1057-1069.	3.5	109
121	Simple Models to Estimate Historical and Recent Changes of Total Organic Carbon Concentrations in Lakes. Environmental Science & Technology, 2015, 49, 386-394.	10.0	19
122	Effect of Climate Change on Soil Temperature in Swedish Boreal Forests. PLoS ONE, 2014, 9, e93957.	2.5	90
123	PERSiST: a flexible rainfall-runoff modelling toolkit for use with the INCA family of models. Hydrology and Earth System Sciences, 2014, 18, 855-873.	4.9	84
124	Flow pathways and nutrient transport mechanisms drive hydrochemical sensitivity to climate change across catchments with different geology and topography. Hydrology and Earth System Sciences, 2014, 18, 5125-5148.	4.9	24
125	The Swedish monitoring of surface waters: 50Âyears of adaptive monitoring. Ambio, 2014, 43, 3-18.	5.5	120
126	Long-term trends in water chemistry of acid-sensitive Swedish lakes show slow recovery from historic acidification. Ambio, 2014, 43, 77-90.	5.5	62

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127	Almost 50Âyears of monitoring shows that climate, not forestry, controls longâ€term organic carbon fluxes in a large boreal watershed. Global Change Biology, 2014, 20, 1225-1237.	9.5	64
128	Assessing anthropogenic impact on boreal lakes with historical fish species distribution data and hydrogeochemical modeling. Global Change Biology, 2014, 20, 2752-2764.	9.5	16
129	Evaluating common drivers for color, iron and organic carbon in Swedish watercourses. Ambio, 2014, 43, 30-44.	5.5	23
130	Is the Water Footprint an Appropriate Tool for Forestry and Forest Products: The Fennoscandian Case. Ambio, 2014, 43, 244-256.	5.5	41
131	Forest cover change over four decades in the Blue Nile Basin, Ethiopia: comparison of three watersheds. Regional Environmental Change, 2014, 14, 253-266.	2.9	91
132	Impact of Forestry on Total and Methyl-Mercury in Surface Waters: Distinguishing Effects of Logging and Site Preparation. Environmental Science & Technology, 2014, 48, 4690-4698.	10.0	55
133	Cross-scale ensemble projections of dissolved organic carbon dynamics in boreal forest streams. Climate Dynamics, 2014, 42, 2305-2321.	3.8	22
134	Patterns and drivers of riverine nitrogen (N) across alpine, subarctic, and boreal Sweden. Biogeochemistry, 2014, 120, 105-120.	3.5	47
135	Community perceptions of forestâ€“water relationships in the Blue Nile Basin of Ethiopia. Geo Journal, 2014, 79, 605-618.	3.1	13
136	Uncertainty assessments and hydrological implications of climate change in two adjacent agricultural catchments of a rapidly urbanizing watershed. Science of the Total Environment, 2014, 473-474, 326-337.	8.0	21
137	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
138	Intraâ€annual variability of organic carbon concentrations in running waters: Drivers along a climatic gradient. Global Biogeochemical Cycles, 2014, 28, 451-464.	4.9	59
139	Adjacent catchments with similar patterns of land use and climate have markedly different dissolved organic carbon concentration and runoff dynamics. Hydrological Processes, 2014, 28, 1436-1449.	2.6	24
140	Impacts of climate change on hydrology and water quality: Future proofing management strategies in the Lake Simcoe watershed, Canada. Journal of Great Lakes Research, 2013, 39, 19-32.	1.9	101
141	The interactive responses of water quality and hydrology to changes in multiple stressors, and implications for the long-term effective management of phosphorus. Science of the Total Environment, 2013, 454-455, 230-244.	8.0	47
142	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.	1.5	28
143	A cost-effectiveness analysis of water security and water quality: impacts of climate and land-use change on the River Thames system. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120413.	3.4	52
144	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

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145	Impact of stump harvest on run-off concentrations of total mercury and methylmercury. Forest Ecology and Management, 2013, 290, 83-94.	3.2	38
146	Evasion of <scp>CO</scp>₂ from streams â€“ The dominant component of the carbon export through the aquatic conduit in a boreal landscape. Global Change Biology, 2013, 19, 785-797.	9.5	175
147	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.	4.2	29
148	The Krycklan Catchment Study-A flagship infrastructure for hydrology, biogeochemistry, and climate research in the boreal landscape. Water Resources Research, 2013, 49, 7154-7158.	4.2	207
149	Riparian zone control on base cation concentration in boreal streams. Biogeosciences, 2013, 10, 3849-3868.	3.3	51
150	Phosphorus dynamics across intensively monitored subcatchments in the Beaver River. Inland Waters, 2013, 3, 187-206.	2.2	20
151	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.	3.3	82
152	In-Lake Processes Offset Increased Terrestrial Inputs of Dissolved Organic Carbon and Color to Lakes. PLoS ONE, 2013, 8, e70598.	2.5	103
153	The Significance of Shifts in Precipitation Patterns: Modelling the Impacts of Climate Change and Glacier Retreat on Extreme Flood Events in Denali National Park, Alaska. PLoS ONE, 2013, 8, e74054.	2.5	15
154	Modelling the impacts of climate change on flow and nitrate in the River Thames: assessing potential adaptation strategies. Hydrology Research, 2012, 43, 902-916.	2.7	34
155	Uncertainty in silicate mineral weathering rate estimates: source partitioning and policy implications. Environmental Research Letters, 2012, 7, 024025.	5.2	40
156	Hydrology, forests and precipitation recycling: a reply to van der Ent et al. Global Change Biology, 2012, 18, 3272-3274.	9.5	3
157	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.	3.4	36
158	Dynamic Modelling of the Impact of Climate Change and Power Flow Management Options using STELLA: Application to the Steephill Falls Reservoir, Ontario, Canada. Canadian Water Resources Journal, 2012, 37, 125-148.	1.2	10
159	Variability in spectral absorbance metrics across boreal lake waters. Journal of Environmental Monitoring, 2012, 14, 2643.	2.1	41
160	Problems with the reconciliation of good ecological status and public participation in the Water Framework Directive. Science of the Total Environment, 2012, 433, 482-490.	8.0	24
161	The Influence of Sulphate Deposition on the Seasonal Variation of Peat Pore Water Methyl Hg in a Boreal Mire. PLoS ONE, 2012, 7, e45547.	2.5	26
162	On the forest coverâ€“water yield debate: from demandâ€•to supplyâ€side thinking. Global Change Biology, 2012, 18, 806-820.	9.5	332

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163	Spatial and temporal variation of THg concentrations in run-off water from 19 boreal catchments, 2000â€“2010. Environmental Pollution, 2012, 164, 102-109.	7.5	35
164	Modelling the long term impact of climate change on the carbon budget of Lake Simcoe, Ontario using INCA-C. Science of the Total Environment, 2012, 414, 387-403.	8.0	25
165	Using the INCA-Hg model of mercury cycling to simulate total and methyl mercury concentrations in forest streams and catchments. Science of the Total Environment, 2012, 424, 219-231.	8.0	24
166	Long-term dynamics of dissolved organic carbon: Implications for drinking water supply. Science of the Total Environment, 2012, 432, 1-11.	8.0	86
167	Riparian soil temperature modification of the relationship between flow and dissolved organic carbon concentration in a boreal stream. Water Resources Research, 2011, 47, .	4.2	62
168	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
169	Silicate mineral weathering rate estimates: Are they precise enough to be useful when predicting the recovery of nutrient pools after harvesting?. Forest Ecology and Management, 2011, 261, 1-9.	3.2	76
170	A meta-analysis of the effects of nitrogen additions on base cations: Implications for plants, soils, and streams. Forest Ecology and Management, 2011, 262, 95-104.	3.2	234
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