Irena Creed

List of Publications by Year
in descending order

164 papers	9,784 citations	61984 43 h-index	43889 91 g-index
166 all docs	166 docs citations	166 times ranked	10314 citing authors

#	Article	IF	Citations
1	Emerging threats and persistent conservation challenges for freshwater biodiversity. Biological Reviews, 2019, 94, 849-873.	10.4	1,766
2	Trees, forests and water: Cool insights for a hot world. Global Environmental Change, 2017, 43, 51-61.	7.8	660
3	Do geographically isolated wetlands influence landscape functions?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1978-1986.	7.1	297
4	A framework for broad-scale classification of hydrologic response units on the Boreal Plain: is topography the last thing to consider?. Hydrological Processes, 2005, 19, 1705-1714.	2.6	270
5	Regulation of Nitrate-N Release from Temperate Forests: A Test of the N Flushing Hypothesis. Water Resources Research, 1996, 32, 3337-3354.	4.2	268
6	Export of nitrogen from catchments within a temperate forest: Evidence for a unifying mechanism regulated by variable source area dynamics. Water Resources Research, 1998, 34, 3105-3120.	4.2	261
7	The river as a chemostat: fresh perspectives on dissolved organic matter flowing down the river continuum. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1272-1285.	1.4	242
8	Homogenization of the terrestrial water cycle. Nature Geoscience, 2020, 13, 656-658.	12.9	242
9	Global changeâ€driven effects on dissolved organic matter composition: Implications for food webs of northern lakes. Global Change Biology, 2018, 24, 3692-3714.	9.5	229
10	Wetlands as large-scale nature-based solutions: Status and challenges for research, engineering and management. Ecological Engineering, 2017, 108, 489-497.	3.6	217
11	Cryptic wetlands: integrating hidden wetlands in regression models of the export of dissolved organic carbon from forested landscapes. Hydrological Processes, 2003, 17, 3629-3648.	2.6	174
12	Geographically Isolated Wetlands are Important Biogeochemical Reactors on the Landscape. BioScience, 2015, 65, 408-418.	4.9	163
13	Vegetation class dependent errors in lidar ground elevation and canopy height estimates in a boreal wetland environment. Canadian Journal of Remote Sensing, 2005, 31, 191-206.	2.4	150
14	Automated Extraction of Surface Water Extent from Sentinel-1 Data. Remote Sensing, 2018, 10, 797.	4.0	150
15	Ecosystem Processes and Human Influences Regulate Streamflow Response to Climate Change at Long-Term Ecological Research Sites. BioScience, 2012, 62, 390-404.	4.9	149
16	Changing forest water yields in response to climate warming: results from longâ€term experimental watershed sites across North America. Global Change Biology, 2014, 20, 3191-3208.	9.5	147
17	Enhancing protection for vulnerable waters. Nature Geoscience, 2017, 10, 809-815.	12.9	141
18	Removal of artifact depressions from digital elevation models: towards a minimum impact approach. Hydrological Processes, 2005, 19, 3113-3126.	2.6	138

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19	A novel model for cyanobacteria bloom formation: the critical role of anoxia and ferrous iron. Freshwater Biology, 2014, 59, 1323-1340.	2.4	129
20	Controls on runoff from a partially harvested aspen-forested headwater catchment, Boreal Plain, Canada. Hydrological Processes, 2005, 19, 3-25.	2.6	112
21	Predicting export of dissolved organic carbon from forested catchments in glaciated landscapes with shallow soils. Global Biogeochemical Cycles, 2008, 22, .	4.9	108
22	Exploring functional similarity in the export of Nitrate-N from forested catchments: A mechanistic modeling approach. Water Resources Research, 1998, 34, 3079-3093.	4.2	94
23	Frequent regime shifts in trophic states in shallow lakes on the Boreal Plain: Alternative "unstable" states?. Limnology and Oceanography, 2007, 52, 2002-2012.	3.1	93
24	Integrating geographically isolated wetlands into land management decisions. Frontiers in Ecology and the Environment, 2017, 15, 319-327.	4.0	92
25	Automated Quantification of Surface Water Inundation in Wetlands Using Optical Satellite Imagery. Remote Sensing, 2017, 9, 807.	4.0	91
26	Quantifying hydrologic connectivity of wetlands to surface water systems. Hydrology and Earth System Sciences, 2017, 21, 1791-1808.	4.9	87
27	Distinguishing actual and artefact depressions in digital elevation data. Computers and Geosciences, 2006, 32, 1192-1204.	4.2	81
28	Landscape controls on phosphorus loading to boreal lakes: implications for the potential impacts of forest harvesting. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1977-1984.	1.4	74
29	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
30	Towards a universal lidar canopy height indicator. Canadian Journal of Remote Sensing, 2006, 32, 139-152.	2.4	72
31	Impacts and prognosis of natural resource development on water and wetlands in Canadaâ€™s boreal zone. Environmental Reviews, 2015, 23, 78-131.	4.5	64
32	Advances in Canadian forest hydrology, 1995-1998. Hydrological Processes, 2000, 14, 1551-1578.	2.6	60
33	Understanding variation in trophic status of lakes on the Boreal Plain: A 20Âyear retrospective using Landsat TM imagery. Remote Sensing of Environment, 2007, 109, 127-141.	11.0	60
34	New mapping techniques to estimate the preferential loss of small wetlands on prairie landscapes. Hydrological Processes, 2016, 30, 396-409.	2.6	56
35	Controls on the heterogeneity of soil respiration in a tolerant hardwood forest. Journal of Geophysical Research, 2008, 113, .	3.3	55
36	Soil denitrification fluxes from three northeastern North American forests across a range of nitrogen deposition. Oecologia, 2015, 177, 17-27.	2.0	54

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37	Ecosystem processes at the watershed scale: Sensitivity to potential climate change. Limnology and Oceanography, 1996, 41, 928-938.	3.1	53
38	Northern forest winters have lost cold, snowy conditions that are important for ecosystems and human communities. Ecological Applications, 2019, 29, e01974.	3.8	51
39	Distributed topographic indicators for predicting nitrogen export from headwater catchments. Water Resources Research, 2009, 45, .	4.2	48
40	Tracking wetland loss to improve evidence-based wetland policy learning and decision making. Wetlands Ecology and Management, 2014, 22, 235-245.	1.5	48
41	Impacts and prognosis of natural resource development on aquatic biodiversity in Canadaâ€™s boreal zone. Environmental Reviews, 2013, 21, 227-259.	4.5	47
42	Climate warming causes intensification of the hydrological cycle, resulting in changes to the vernal and autumnal windows in a northern temperate forest. Hydrological Processes, 2015, 29, 3519-3534.	2.6	47
43	Hillslope permeability architecture controls on subsurface transit time distribution and flow paths. Journal of Hydrology, 2016, 543, 17-30.	5.4	47
44	Catchment influence on nitrate and dissolved organic matter in Alaskan streams across a latitudinal gradient. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 350-369.	3.0	46
45	Connectivity among wetlands matters for vulnerable amphibian populations in wetlandscapes. Ecological Modelling, 2018, 384, 119-127.	2.5	45
46	Global changes may be promoting a rise in select cyanobacteria in nutrientâ€poor northern lakes. Global Change Biology, 2020, 26, 4966-4987.	9.5	45
47	A comparison of techniques for measuring density and concentrations of carbon and nitrogen in coarse woody debris at different stages of decay. Canadian Journal of Forest Research, 2004, 34, 744-753.	1.7	44
48	The accuracy of land cover-based wetland assessments is influenced by landscape extent. Landscape Ecology, 2012, 27, 1321-1335.	4.2	44
49	Sensitivity of Digital Landscapes to Artifact Depressions in Remotely-sensed DEMs. Photogrammetric Engineering and Remote Sensing, 2005, 71, 1029-1036.	0.6	43
50	Characterizing hydrodynamics on boreal landscapes using archived synthetic aperture radar imagery. Hydrological Processes, 2008, 22, 1687-1699.	2.6	43
51	Winter Weather Whiplash: Impacts of Meteorological Events Misaligned With Natural and Human Systems in Seasonally Snowâ€Covered Regions. Earth's Future, 2019, 7, 1434-1450.	6.3	43
52	Advances in Canadian forest hydrology, 1999-2003. Hydrological Processes, 2005, 19, 169-200.	2.6	41
53	Prediction of groundwater characteristics in forested and harvested basins during spring snowmelt using a topographic index. Hydrological Processes, 2001, 15, 3389-3407.	2.6	40
54	A topographic template for estimating soil carbon pools in forested catchments. Geoderma, 2011, 160, 457-467.	5.1	39

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55	Evidence for ironâ€regulated cyanobacterial predominance in oligotrophic lakes. Freshwater Biology, 2014, 59, 679-691.	2.4	38
56	Does Wetland Location Matter When Managing Wetlands for Watershedâ€Scale Flood and Drought Resilience?. Journal of the American Water Resources Association, 2019, 55, 529-542.	2.4	38
57	Soil, surface water and ground water phosphorus relationships in a partially harvested Boreal Plain aspen catchment. Forest Ecology and Management, 2005, 206, 315-329.	3.2	35
58	Searching for similarity in topographic controls on carbon, nitrogen and phosphorus export from forested headwater catchments. Hydrological Processes, 2014, 28, 3201-3216.	2.6	34
59	Advancing ecohydrology in the 21st century: A convergence of opportunities. Ecohydrology, 2020, 13, e2208.	2.4	34
60	Hydrologic effects of a changing forested landscapeâ€”challenges for the hydrological sciences. Hydrological Processes, 2009, 23, 2699-2704.	2.6	33
61	Lake browning may fuel phytoplankton biomass and trigger shifts in phytoplankton communities in temperate lakes. Aquatic Sciences, 2021, 83, 1.	1.5	33
62	Drainage basin morphometrics for depressional landscapes. Water Resources Research, 2004, 40, .	4.2	32
63	Recent Synchronous Declines in DIN:TP in Swedish Lakes. Global Biogeochemical Cycles, 2018, 32, 208-225.	4.9	32
64	Title is missing!. Water, Air and Soil Pollution, 2002, 2, 81-102.	0.8	31
65	Comparative effects of ammonium, nitrate and urea on growth and photosynthetic efficiency of three bloomâ€forming cyanobacteria. Freshwater Biology, 2018, 63, 626-638.	2.4	31
66	Is coarse woody debris a net sink or source of nitrogen in the red spruce Â– Fraser fir forest of the southern Appalachians, U.S.A.?. Canadian Journal of Forest Research, 2004, 34, 716-727.	1.7	30
67	Managing Forests for Both Downstream and Downwind Water. Frontiers in Forests and Global Change, 2019, 2, .	2.3	30
68	The effect of seasonal drying on sulphate dynamics in streams across southeastern Canada and the northeastern USA. Biogeochemistry, 2012, 111, 393-409.	3.5	28
69	Variation in overstory nitrogen uptake in a small, high-elevation southern Appalachian spruce-fir watershed. Canadian Journal of Forest Research, 2002, 32, 1741-1752.	1.7	26
70	Scaleâ€dependence of natural variability of flow regimes in a forested landscape. Water Resources Research, 2007, 43, .	4.2	26
71	Solute evidence for hydrological connectivity of geographically isolated wetlands. Land Degradation and Development, 2018, 29, 3954-3962.	3.9	26
72	Lowered nutritional quality of plankton caused by global environmental changes. Global Change Biology, 2021, 27, 6294-6306.	9.5	26

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73	Is There Synchronicity in Nitrogen Input and Output Fluxes at the Noland Divide Watershed, a Small N-Saturated Forested Catchment in the Great Smoky Mountains National Park?. Scientific World Journal, The, 2001, 1, 480-492.	2.1	25
74	Biodegradability of dissolved organic matter extracted from a chronosequence of forest-floor materials. Journal of Plant Nutrition and Soil Science, 2006, 169, 101-107.	1.9	25
75	Topographically regulated traps of dissolved organic carbon create hotspots of soil carbon dioxide efflux in forests. Biogeochemistry, 2013, 112, 149-164.	3.5	25
76	Hydrologic response to and recovery from differing silvicultural systems in a deciduous forest landscape with seasonal snow cover. Journal of Hydrology, 2018, 557, 805-825.	5.4	25
77	The alarming state of freshwater biodiversity in Canada. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 352-365.	1.4	25
78	Incorporating hydrologic dynamics into buffer strip design on the sub-humid Boreal Plain of Alberta. Forest Ecology and Management, 2008, 256, 1984-1994.	3.2	24
79	Hydrological principles for sustainable management of forest ecosystems. Hydrological Processes, 2011, 25, 2152-2160.	2.6	24
80	Managing Forests for Water in the Anthropoceneâ€"The Best Kept Secret Services of Forest Ecosystems. Forests, 2016, 7, 60.	2.1	24
81	Estimating rates of wetland loss using power-law functions. Wetlands, 2018, 38, 109-120.	1.5	24
82	The science-policy interface of risk-based freshwater and marine management systems: From concepts to practical tools. Journal of Environmental Management, 2018, 226, 340-346.	7.8	24
83	Comparison of the Performance of Statistical Models that Predict Soil Respiration from Forests. Soil Science Society of America Journal, 2009, 73, 1157-1167.	2.2	23
84	Nutrient export from catchments on forested landscapes reveals complex nonstationary and stationary climate signals. Water Resources Research, 2013, 49, 3863-3880.	4.2	23
85	Iron and ironâ€binding ligands as cofactors that limit cyanobacterial biomass across a lake trophic gradient. Freshwater Biology, 2016, 61, 146-157.	2.4	23
86	The influence of iron, siderophores and refractory <scp>DOM</scp> on cyanobacterial biomass in oligotrophic lakes. Freshwater Biology, 2014, 59, 1423-1436.	2.4	22
87	Critical forces defining alternative futures for the Great Lakesâ€"St. Lawrence River basin. Journal of Great Lakes Research, 2015, 41, 131-138.	1.9	22
88	Catchmentâ€Scale Shifts in the Magnitude and Partitioning of Carbon Export in Response to Changing Hydrologic Connectivity in a Northern Hardwood Forest. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2337-2352.	3.0	22
89	Browning reduces the availabilityâ€"but not the transferâ€"of essential fatty acids in temperate lakes. Freshwater Biology, 2019, 64, 2107-2119.	2.4	22
90	Sensitivity of catchmentâ€aggregated estimates of soil carbon dioxide efflux to topography under different climatic conditions. Journal of Geophysical Research, 2008, 113, .	3.3	21

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91	Observing Changes in Riparian Buffer Strip Soil Properties Related to Land Use Activities in the River Njoro Watershed, Kenya. Water, Air, and Soil Pollution, 2011, 218, 587-601.	2.4	21
92	Automated Techniques to Identify Lost and Restorable Wetlands in the Prairie Pothole Region. Wetlands, 2017, 37, 1079-1091.	1.5	21
93	Demand for provisioning ecosystem services as a driver of change in the Canadian boreal zone¹. Environmental Reviews, 2019, 27, 166-184.	4.5	21
94	Vulnerable Waters are Essential to Watershed Resilience. Ecosystems, 2023, 26, 1-28.	3.4	21
95	Formal Integration of Science and Management Systems Needed to Achieve Thriving and Prosperous Great Lakes. BioScience, 2016, 66, 408-418.	4.9	20
96	Does browning affect the identity of limiting nutrients in lakes?. Aquatic Sciences, 2020, 82, 1.	1.5	20
97	Forest-Water Interactions Under Global Change. Ecological Studies, 2020, , 589-624.	1.2	20
98	Exploring Interactions between Pollutant Emissions and Climatic Variability in Growth of Red Spruce in the Great Smoky Mountains National Park. Water, Air, and Soil Pollution, 2004, 159, 225-248.	2.4	19
99	Relation of soil-, surface-, and ground-water distributions of inorganic nitrogen with topographic position in harvested and unharvested portions of an aspen-dominated catchment in the Boreal Plain. Canadian Journal of Forest Research, 2006, 36, 2090-2103.	1.7	19
100	Advances in Canadian Forest Hydrology, 2003-2007. Canadian Water Resources Journal, 2009, 34, 113-126.	1.2	19
101	Russian nesting dolls effect â€“ Using wavelet analysis to reveal nonâ€stationary and nested stationary signals in water yield from catchments on a northern forested landscape. Hydrological Processes, 2013, 27, 669-686.	2.6	19
102	The Great Lakes Futures Project: Principles and policy recommendations for making the lakes great. Journal of Great Lakes Research, 2015, 41, 171-179.	1.9	19
103	Hydrologic profiling for greenhouse gas effluxes from natural grasslands in the prairie pothole region of Canada. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 680-697.	3.0	18
104	Meteorological and Nutrient Conditions Influence Microcystin Congeners in Freshwaters. Toxins, 2019, 11, 620.	3.4	18
105	Atmospheric change as a driver of change in the Canadian boreal zone¹. Environmental Reviews, 2019, 27, 346-376.	4.5	18
106	Groundwaters at Risk: Wetland Loss Changes Sources, Lengthens Pathways, and Decelerates Rejuvenation of Groundwater Resources. Journal of the American Water Resources Association, 2019, 55, 294-306.	2.4	18
107	Summer storms trigger soil N₂O efflux episodes in forested catchments. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 95-108.	3.0	17
108	Digital Terrain Analysis Approaches for Tracking Hydrological and Biogeochemical Pathways and Processes in Forested Landscapes. Ecological Studies, 2011, , 69-100.	1.2	17

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109	Harmonizing science and management options to reduce risks of cyanobacteria. Harmful Algae, 2022, 116, 102264.	4.8	17
110	Climate change effects on red spruce decline mitigated by reduction in air pollution within its shrinking habitat range. Ecological Modelling, 2014, 293, 81-90.	2.5	16
111	Scenario analysis: An integrative and effective method for bridging disciplines and achieving a thriving Great Lakes-St. Lawrence River basin. Journal of Great Lakes Research, 2015, 41, 12-19.	1.9	16
112	Trade-offs Between Light and Nutrient Availability Across Gradients of Dissolved Organic Carbon Lead to Spatially and Temporally Variable Responses of Lake Phytoplankton Biomass to Browning. Ecosystems, 2021, 24, 1837-1852.	3.4	16
113	Detecting and Downscaling Wet Areas on Boreal Landscapes. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 179-183.	3.1	15
114	Regionalâ€scale mapping of groundwater discharge zones using thermal satellite imagery. Hydrological Processes, 2014, 28, 5662-5673.	2.6	15
115	Assessing the ecological sustainability of a forest management system using the ISO Bowtie Risk Management Assessment Tool. Forestry Chronicle, 2018, 94, 25-34.	0.6	15
116	Managing risks to Canadaâ€™s boreal zone: transdisciplinary thinking in pursuit of sustainability1. Environmental Reviews, 2019, 27, 407-418.	4.5	15
117	Changes in nutritional quality and nutrient limitation regimes of phytoplankton in response to declining N deposition in mountain lakes. Aquatic Sciences, 2020, 82, 1.	1.5	15
118	Heterogeneity in soil nitrogen within first-order forested catchments at the Turkey Lakes Watershed. Canadian Journal of Forest Research, 2005, 35, 797-805.	1.7	14
119	Determining Spatially-Distributed Annual Water Balances for Ungauged Locations on Shikoku Island, Japan: A Comparison of Two Interpolators/DÃ©termination de Bilans Hydriques SpatialisÃ©s pour des Sites Non-JaugÃ©s de L'Ãªle de Shikoku, au Japon: Comparaison de Deux Interpolateurs. Hydrological Sciences Journal, 2005, 50, .	2.6	14
120	Mapping hydrologically sensitive areas on the Boreal Plain: a multitemporal analysis of ERS synthetic aperture radar data. International Journal of Remote Sensing, 2009, 30, 2619-2635.	2.9	14
121	Sinking of Heterosigma akashiwo results in increased toxicity of this harmful algal bloom species. Harmful Algae, 2012, 13, 95-104.	4.8	14
122	Interannual variability in trophic status of shallow lakes on the Boreal Plain: Is there a climate signal?. Water Resources Research, 2008, 44, .	4.2	13
123	Spatial heterogeneity in trophic status of shallow lakes on the Boreal Plain: Influence of hydrologic setting. Water Resources Research, 2008, 44, .	4.2	12
124	A stochastic model for generating disturbance patterns within landscapes. Computers and Geosciences, 2009, 35, 1451-1459.	4.2	12
125	Out of control: How we failed to adapt and suffered the consequences. Journal of Great Lakes Research, 2015, 41, 20-29.	1.9	12
126	Alternative scenarios for the future of the Canadian boreal zone1. Environmental Reviews, 2019, 27, 185-199.	4.5	12

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127	Defining protected area boundaries based on vascular-plant species richness using hydrological information derived from archived satellite imagery. Biological Conservation, 2012, 147, 143-152.	4.1	11
128	Suitability of a cytotoxicity assay for detection of potentially harmful compounds produced by freshwater bloom-forming algae. Harmful Algae, 2014, 31, 177-187.	4.8	11
129	Nitrous Oxide and Dinitrogen: The Missing Flux in Nitrogen Budgets of Forested Catchments?. Environmental Science & Technology, 2017, 51, 6036-6043.	10.0	11
130	Landscape consequences of aggregation rules for functional equivalence in compensatory mitigation programs. Conservation Biology, 2018, 32, 694-705.	4.7	11
131	Modeling dissolved organic carbon mass balances for lakes of the Muskoka River Watershed. Hydrology Research, 2009, 40, 273-290.	2.7	11
132	Topographically based spatially averaging of SAR data improves performance of soil moisture models. Remote Sensing of Environment, 2011, 115, 3507-3516.	11.0	10
133	Potential Vulnerability of Deep Carbon Deposits of Forested Swamps to Drought. Soil Science Society of America Journal, 2014, 78, 1097-1107.	2.2	10
134	Community engagement is critical to achieve a â€œthriving and prosperousâ€•future for the Great Lakesâ€“St. Lawrence River basin. Journal of Great Lakes Research, 2015, 41, 188-191.	1.9	10
135	EFFECTS OF ARSENATE ON GROWTH OF NITROGEN-AND PHOSPHORUS-LIMITED CHLORELLA VULGARIS (CHLOROPHYCEAE) ISOLATES1. Journal of Phycology, 1990, 26, 641-650.	2.3	9
136	Are Northern Lakes in Relatively Intact Temperate Forests Showing Signs of Increasing Phytoplankton Biomass?. Ecosystems, 2022, 25, 727-755.	3.4	9
137	Picea rubens growth at high versus low elevations in the Great Smoky Mountains National Park: evaluation by systems modeling. Canadian Journal of Forest Research, 2011, 41, 945-962.	1.7	8
138	Demographics and social values as drivers of change in the Canadian boreal zone1. Environmental Reviews, 2019, 27, 377-392.	4.5	8
139	Incomplete recovery of plant diversity in restored prairie wetlands on agricultural landscapes. Restoration Ecology, 2019, 27, 520-530.	2.9	8
140	Safeguarding Wetlands and Their Connections within Wetlandscapes to Improve Conservation Outcomes for Threatened Amphibian Species. Journal of the American Water Resources Association, 2019, 55, 641-656.	2.4	7
141	Performance and competitiveness of red vs. green phenotypes of a cyanobacterium grown under artificial lake browning. Algae, 2021, 36, 195-206.	2.3	7
142	Biomass, community composition and N:P recycling ratios of zooplankton in northern highâ€latitude lakes with contrasting levels of N deposition and dissolved organic carbon. Freshwater Biology, 2022, 67, 1508-1520.	2.4	7
143	Can Restoration of Freshwater Mineral Soil Wetlands Deliver Nature-Based Climate Solutions to Agricultural Landscapes?. Frontiers in Ecology and Evolution, 0, 10, .	2.2	7
144	Trying hard to adapt to a chaotic world: How complex challenges overwhelmed best intentions. Journal of Great Lakes Research, 2015, 41, 139-149.	1.9	6

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145	Snowâ€covered soils produce N₂O that is lost from forested catchments. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2356-2368.	3.0	6
146	Uncertainty analysis of the performance of a management system for achieving phosphorus load reduction to surface waters. Journal of Environmental Management, 2020, 276, 111217.	7.8	6
147	Differential Drawdown of Ammonium, Nitrate, and Urea by Freshwater Chlorophytes and Cyanobacteria 1. Journal of Phycology, 2020, 56, 458-468.	2.3	6
148	Paleolimnological evidence reveals climate-related preeminence of cyanobacteria in a temperate meromictic lake. Canadian Journal of Fisheries and Aquatic Sciences, 2022, 79, 558-565.	1.4	6
149	Long-term stream chemistry response to harvesting in a northern hardwood forest watershed experiencing environmental change. Forest Ecology and Management, 2022, 519, 120345.	3.2	6
150	Thriving and prosperous: How we rallied to confront collective challenges. Journal of Great Lakes Research, 2015, 41, 161-170.	1.9	5
151	Living on the Edge: How we converted challenges into profitable opportunities. Journal of Great Lakes Research, 2015, 41, 150-160.	1.9	5
152	Forest soil CO2 efflux models improved by incorporating topographic controls on carbon content and sorption capacity of soils. Biogeochemistry, 2016, 129, 307-323.	3.5	5
153	Assessing the potential health risk of cyanobacteria and cyanotoxins in Lake Naivasha, Kenya. Hydrobiologia, 2020, 847, 1041-1056.	2.0	5
154	Birdâ€™s-Eye View of Forest Hydrology: Novel Approaches Using Remote Sensing Techniques. Ecological Studies, 2011, , 45-68.	1.2	5
155	Multiâ€decadal changes in phytoplankton biomass in northern temperate lakes as seen through the prism of landscape properties. Global Change Biology, 2022, 28, 2272-2285.	9.5	5
156	Cyanobacteria biomass in shallow eutrophic lakes is linked to the presence of iron-binding ligands. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 1728-1739.	1.4	4
157	The Essential Role of Wetland Restoration Practitioners in the Science-Policy-Practice Process. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	4
158	Optimization of Landsat Chl-a Retrieval Algorithms in Freshwater Lakes through Classification of Optical Water Types. Remote Sensing, 2021, 13, 4607.	4.0	3
159	Maintaining the Portfolio of Wetland Functions on Landscapes: A Rapid Evaluation Tool for Estimating Wetland Functions and Values in Alberta, Canada. , 2018, , 189-206.		2
160	Climate-influenced catchment hydrology overrides forest management effects on stream benthic macroinvertebrates in a northern hardwood forest. Forest Ecology and Management, 2019, 452, 117540.	3.2	2
161	Enhanced Transboundary Governance Capacity Needed to Achieve Policy Goals for Harmful Algal Blooms. Handbook of Environmental Chemistry, 2020, , 251-265.	0.4	1
162	Advances in Canadian forest hydrology, 1995â€“1998. , 2000, 14, 1551.		1

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163	Advances in Canadian forest hydrology, 1995â€“1998. Hydrological Processes, 2000, 14, 1551-1578.	2.6	1
164	A framework to identify priority wetland habitats and movement corridors for urban amphibian conservation. Ecological Solutions and Evidence, 2022, 3, .	2.0	1