

R Allen Curry

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

2,160
citations

23
h-index

42
g-index

118
ext. papers

2,509
ext. citations

2.6
avg, IF

4.91
L-index

#	Paper	IF	Citations
110	Identifying Canadian freshwater fishes through DNA barcodes. <i>PLoS ONE</i> , 2008 , 3, e2490	3.7	395
109	Groundwater and the selection of spawning sites by brook trout (<i>Salvelinus fontinalis</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995 , 52, 1733-1740	2.4	110
108	Preserving, augmenting, and creating cold-water thermal refugia in rivers: concepts derived from research on the Miramichi River, New Brunswick (Canada). <i>Ecohydrology</i> , 2015 , 8, 1095-1108	2.5	94
107	Groundwater and the incubation and emergence of brook trout (<i>Salvelinus fontinalis</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995 , 52, 1741-1749	2.4	71
106	Seasonal Energy Budget of Brook Trout in Streams: Implications of a Possible Deficit in Early Winter. <i>Transactions of the American Fisheries Society</i> , 1987 , 116, 817-828	1.7	66
105	Mercury biomagnification in the food webs of acidic lakes in Kejimikujik National Park and National Historic Site, Nova Scotia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009 , 66, 1532-1545	2.4	62
104	Spatial and Temporal Movements of a Riverine Brook Trout Population. <i>Transactions of the American Fisheries Society</i> , 2002 , 131, 551-560	1.7	50
103	Principles for ensuring healthy and productive freshwater ecosystems that support sustainable fisheries. <i>Environmental Reviews</i> , 2014 , 22, 110-134	4.5	49
102	High fidelity: isotopic relationship between stream invertebrates and their gut contents. <i>Journal of the North American Benthological Society</i> , 2005 , 24, 290-299		49
101	Increasing mercury in yellow perch at a hotspot in Atlantic Canada, Kejimikujik National Park. <i>Environmental Science & Technology</i> , 2010 , 44, 9176-81	10.3	43
100	Population-level responses to sediment during early life in brook trout. <i>Journal of the North American Benthological Society</i> , 2004 , 23, 140-150		43
99	Site Fidelity of Mummichogs (<i>Fundulus heteroclitus</i>) in an Atlantic Canadian Estuary. <i>Water Quality Research Journal of Canada</i> , 2005 , 40, 288-298	1.7	40
98	Examination of the responses of slimy sculpin (<i>Cottus cognatus</i>) and white sucker (<i>Catostomus commersoni</i>) collected on the Saint John River (Canada) downstream of pulp mill, paper mill, and sewage discharges. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2898-907	3.8	39
97	Use of Small Streams by Young Brook Trout Spawned in a Lake. <i>Transactions of the American Fisheries Society</i> , 1997 , 126, 77-83	1.7	38
96	Non-Lethal Sampling Methods for Assessing Environmental Impacts Using a Small-Bodied Sentinel Fish Species. <i>Water Quality Research Journal of Canada</i> , 2002 , 37, 195-211	1.7	37
95	Effects of river flow fluctuations on groundwater discharge through brook trout, <i>Salvelinus fontinalis</i> , spawning and incubation habitats. <i>Hydrobiologia</i> , 1994 , 277, 121-134	2.4	37
94	Linking landscape variables to cold water refugia in rivers. <i>Journal of Environmental Management</i> , 2013 , 118, 170-6	7.9	34

93	Brook trout (<i>Salvelinus fontinalis</i>) embryo habitat and timing of alevin emergence in a lake and a stream. <i>Canadian Journal of Zoology</i> , 1992 , 70, 423-427	1.5	32
92	Key Questions for Next-Generation Biomonitoring. <i>Frontiers in Environmental Science</i> , 2020 , 7,	4.8	30
91	Maternal transfer of carbon and nitrogen to progeny of sea-run and resident brook trout (<i>Salvelinus fontinalis</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008 , 65, 2201-2210	2.4	26
90	The thermal regimes of brook trout incubation habitats and evidence of changes during forestry operations. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 1200-1207	1.9	26
89	Chromosomal fusion and life history-associated genomic variation contribute to within-river local adaptation of Atlantic salmon. <i>Molecular Ecology</i> , 2019 , 28, 1439-1459	5.7	24
88	Genetic Population Structure of Brook Trout Inhabiting a Large River Watershed. <i>Transactions of the American Fisheries Society</i> , 2004 , 133, 1138-1149	1.7	22
87	The origins and persistence of anadromy in brook charr. <i>Reviews in Fish Biology and Fisheries</i> , 2010 , 20, 557-570	6	21
86	Late glacial impacts on dispersal and colonization of Atlantic Canada and Maine by freshwater fishes. <i>Quaternary Research</i> , 2007 , 67, 225-233	1.9	20
85	Hydrogeology of brook trout (<i>Salvelinus fontinalis</i>) spawning and incubation habitats: implications for forestry and land use development. <i>Canadian Journal of Forest Research</i> , 1996 , 26, 767-772	1.9	20
84	Impact of Future Climate Change on Water Temperature and Thermal Habitat for Keystone Fishes in the Lower Saint John River, Canada. <i>Water Resources Management</i> , 2018 , 32, 4853-4878	3.7	19
83	The influence of landscape characteristics on the spatial variability of river temperatures. <i>Catena</i> , 2019 , 177, 70-83	5.8	18
82	Temporal and Spatial Habitats of Anadromous Brook Charr in the Laval River and its Estuary. <i>Environmental Biology of Fishes</i> , 2006 , 76, 361	1.6	18
81	Assessing the reproductive contributions of sympatric anadromous and freshwater-resident brook trout. <i>Journal of Fish Biology</i> , 2005 , 66, 741-757	1.9	18
80	Growth and food of young-of-the-year brook charr, <i>Salvelinus fontinalis</i> , in lake and creek environments. <i>Environmental Biology of Fishes</i> , 1993 , 37, 131-138	1.6	18
79	Quantifying trends in indicator hydroecological variables for regime-based groups of Canadian rivers. <i>Hydrological Processes</i> , 2011 , 25, n/a-n/a	3.3	17
78	The Misunderstood Striped Bass of the Saint John River, New Brunswick: Past, Present, and Future. <i>North American Journal of Fisheries Management</i> , 2017 , 37, 235-254	1.1	15
77	Spatial and Temporal Movements of White Sucker: Implications for Use as a Sentinel Species. <i>Transactions of the American Fisheries Society</i> , 2010 , 139, 1818-1827	1.7	15
76	First summer growth predetermined in anadromous and resident brook charr. <i>Journal of Fish Biology</i> , 2007 , 70, 334-346	1.9	15

75	Network-Based Biomonitoring: Exploring Freshwater Food Webs With Stable Isotope Analysis and DNA Metabarcoding. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	14
74	Characterizing physical habitat preferences and thermal refuge occupancy of brook trout (<i>Salvelinus fontinalis</i>) and Atlantic salmon (<i>Salmo salar</i>) at high river temperatures. <i>River Research and Applications</i> , 2020 , 36, 769-783	2.3	14
73	Assessing anadromy of brook char (<i>Salvelinus fontinalis</i>) using scale microchemistry. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 995-1006	2.4	14
72	The Rainbow Smelt, <i>Osmerus mordax</i> , Complex of Lake Utopia: Threatened or Misunderstood?. <i>Environmental Biology of Fishes</i> , 2004 , 69, 153-166	1.6	13
71	Arctic biodiversity of stream macroinvertebrates declines in response to latitudinal change in the abiotic template. <i>Freshwater Science</i> , 2019 , 38, 465-479	2	13
70	Diet of Striped Bass and Muskellunge Downstream of a Large Hydroelectric Dam: A Preliminary Investigation into Suspected Atlantic Salmon Smolt Predation. <i>North American Journal of Fisheries Management</i> , 2018 , 38, 734-746	1.1	13
69	Impacts of nonpoint inputs from potato farming on populations of slimy sculpin (<i>Cottus cognatus</i>). <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2291-8	3.8	12
68	Population Characteristics of Adult Atlantic Sturgeon Captured by the Commercial Fishery in the Saint John River Estuary, New Brunswick. <i>Transactions of the American Fisheries Society</i> , 2017 , 146, 318-330	1.7	11
67	Mercury bioaccumulation in aquatic biota along a salinity gradient in the Saint John River estuary. <i>Journal of Environmental Sciences</i> , 2018 , 68, 41-54	6.4	11
66	Using movements and diet analyses to assess effects of introduced muskellunge (<i>Esox masquinongy</i>) on Atlantic salmon (<i>Salmo salar</i>) in the Saint John River, New Brunswick. <i>Environmental Biology of Fishes</i> , 2007 , 79, 49-60	1.6	11
65	Evaluation of Techniques for the Marking of Mummichogs with Emphasis on Visible Implant Elastomer. <i>North American Journal of Fisheries Management</i> , 2006 , 26, 1003-1010	1.1	11
64	Effects of Topographic Resolution and Geologic Setting on Spatial Statistical River Temperature Models. <i>Water Resources Research</i> , 2020 , 56, e2020WR028122	5.4	10
63	Fishes as indicators of untreated sewage contamination in a Mexican coastal lagoon. <i>Marine Pollution Bulletin</i> , 2016 , 113, 100-109	6.7	10
62	Spatial Variation in Stable Isotopes ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) in Marine Fish along the Coast of Havana City: Evidence of Human Impacts from Harbor and River Waters. <i>Journal of Coastal Research</i> , 2008 , 245, 1281-1288	0.6	10
61	Effects of Recreational Fishing on the Population Dynamics of Lake-Dwelling Brook Trout. <i>North American Journal of Fisheries Management</i> , 2003 , 23, 35-47	1.1	10
60	Winter survival of age-0 smallmouth bass, <i>Micropterus dolomieu</i> , in north eastern lakes. <i>Environmental Biology of Fishes</i> , 2005 , 72, 111-122	1.6	10
59	Development of Active Numerating Side-scan for a High-Density Overwintering Location for Endemic Shortnose Sturgeon (<i>Acipenser brevirostrum</i>) in the Saint John River, New Brunswick. <i>Diversity</i> , 2020 , 12, 23	2.5	9
58	Seasonal movements of striped bass <i>Morone saxatilis</i> in a large tidal and hydropower regulated river. <i>Environmental Biology of Fishes</i> , 2018 , 101, 1549-1558	1.6	9

57	Accuracy and Precision of Low-Cost Echosounder and Automated Data Processing Software for Habitat Mapping in a Large River. <i>Diversity</i> , 2019 , 11, 116	2.5	9
56	Stable isotopic assessment of site fidelity of mummichogs, <i>Fundulus heteroclitus</i> , exposed to multiple anthropogenic inputs. <i>Environmental Biology of Fishes</i> , 2012 , 94, 695-706	1.6	9
55	A nonlethal approach using strontium in scales to distinguish periods of marine and freshwater residency of anadromous species. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005 , 62, 2443-2449	3.4	9
54	Lessons to be Learned from Attempts to Restore <i>Salvelinus</i> Species Other Than <i>S. namaycush</i> : a Review of Reproductive Behavior. <i>Journal of Great Lakes Research</i> , 1995 , 21, 54-64	3	9
53	The biology and ecology of slimy sculpin: A recipe for effective environmental monitoring. <i>Facets</i> , 2018 , 3, 103-127	2.3	9
52	A Comparison of Mercury Biomagnification through Lacustrine Food Webs Supporting Brook Trout (<i>Salvelinus fontinalis</i>) and Other Salmonid Fishes. <i>Frontiers in Environmental Science</i> , 2016 , 4,	4.8	9
51	Evidence of a Genetically Distinct Population of Striped Bass within the Saint John River, New Brunswick, Canada. <i>North American Journal of Fisheries Management</i> , 2018 , 38, 1339-1349	1.1	9
50	Mesohabitat modelling in fish ecology: A global synthesis. <i>Fish and Fisheries</i> , 2020 , 21, 927-939	6	8
49	Ice cover exists: A quick method to delineate groundwater inputs in running waters for cold and temperate regions. <i>Hydrological Processes</i> , 2019 , 33, 3297-3309	3.3	8
48	Fin tissues as surrogates of white muscle when assessing carbon and nitrogen stable isotope levels for Arctic and brook char. <i>Environmental Biology of Fishes</i> , 2014 , 97, 627-633	1.6	8
47	Catchment-scale, high-resolution, hydraulic models and habitat maps from a salmonid's perspective. <i>Journal of Ecohydraulics</i> , 2021 , 6, 53-68	1.3	8
46	Responses of Low Arctic Stream Benthic Macroinvertebrate Communities to Environmental Drivers at Nested Spatial Scales. <i>Arctic, Antarctic, and Alpine Research</i> , 2013 , 45, 538-551	1.8	7
45	STABLE ISOTOPE ANALYSIS REVEALS ANTHROPOGENIC EFFECTS ON FISH ASSEMBLAGES IN A TEMPERATE RESERVOIR. <i>River Research and Applications</i> , 2012 , 28, 1804-1819	2.3	7
44	Emergence chronology of brook charr, <i>Salvelinus fontinalis</i> , alevins in an acidic stream. <i>Environmental Biology of Fishes</i> , 1991 , 31, 25-31	1.6	7
43	Looking for Striped Bass in Atlantic Canada: The Reconciliation of Local, Scientific, and Historical Knowledge. <i>Northeastern Naturalist</i> , 2019 , 26, 1	0.5	7
42	Performance of White Sucker Populations along the Saint John River Main Stem, New Brunswick, Canada: An Example of Effects-Based Cumulative Effects Assessment. <i>Water Quality Research Journal of Canada</i> , 2005 , 40, 361-373	1.7	7
41	Genomic population structure of Striped Bass (<i>Morone saxatilis</i>) from the Gulf of St. Lawrence to Cape Fear River. <i>Evolutionary Applications</i> , 2020 , 13, 1468-1486	4.8	7
40	Automating drainage direction and physiographic inputs to the CEQUEAU hydrological model: sensitivity testing on the lower Saint John River watershed, Canada. <i>Journal of Hydroinformatics</i> , 2017 , 19, 469-492	2.6	6

39	Space invaders: Searching for invasive Smallmouth Bass () in a renowned Atlantic Salmon () river. <i>Ecology and Evolution</i> , 2020 , 10, 2588-2596	2.8	6
38	Comparative analysis of diet composition and its relation to morphological characteristics in juvenile fish of three lutjanid species in a Mexican Pacific coastal lagoon. <i>Neotropical Ichthyology</i> , 2017 , 15,	1.3	6
37	The contribution of riffles and riverine wetlands to benthic macroinvertebrate biodiversity. <i>Biodiversity and Conservation</i> , 2012 , 21, 895-913	3.4	6
36	Linking fish assemblages to hydro-morphological units in a large regulated river. <i>Ecohydrology</i> , 2020 , 13, e2233	2.5	5
35	Increased mercury and body size and changes in trophic structure of <i>Gambusia puncticulata</i> (Poeciliidae) along the Almendares River, Cuba. <i>Archives of Environmental Contamination and Toxicology</i> , 2012 , 63, 523-33	3.2	5
34	Unique perspectives on the influence of size and age on consumer $\delta^{15}N$ from a rainbow smelt complex. <i>Journal of Fish Biology</i> , 2006 , 69, 215-223	1.9	5
33	Effects of Size Structure on Trophic Interactions between Age-0 Smallmouth Bass and Juvenile Anadromous Alewives. <i>Transactions of the American Fisheries Society</i> , 2005 , 134, 356-368	1.7	5
32	Seasonal and diel patterns in activity and habitat use by brook trout (<i>Salvelinus fontinalis</i>) in a small Newfoundland lake. <i>Environmental Biology of Fishes</i> , 2020 , 103, 31-47	1.6	5
31	Fish habitat modelling in large rivers: combining expert opinion and hydrodynamic modelling to inform river management. <i>Journal of Ecohydraulics</i> , 1-19	1.3	5
30	Freshwater mussel abundance and species composition downstream of a large hydroelectric generating station. <i>Hydrobiologia</i> , 2019 , 836, 207-218	2.4	4
29	SELECTING HYDROLOGIC INDICES FOR THE PRAIRIE PROVINCES. <i>River Research and Applications</i> , 2012 , 28, 1595-1608	2.3	4
28	Detection Range of Acoustic Receivers in a Large Hydropower Reservoir. <i>Fishes</i> , 2019 , 4, 60	2.5	4
27	Atlantic Salmon Upstream Migration Delay in a Large Hydropower Reservoir. <i>North American Journal of Fisheries Management</i> , 2021 , 41, 158-175	1.1	4
26	Left out in the cold: the understudied overwintering ecology of striped bass in Canada. <i>Environmental Biology of Fishes</i> , 2019 , 102, 499-518	1.6	3
25	Assessing the outcomes of stocking hatchery-reared juveniles in the presence of wild Atlantic salmon. <i>Environmental Biology of Fishes</i> , 2017 , 100, 877-887	1.6	3
24	The salmon-peloton: Hydraulic habitat shifts of adult Atlantic salmon (<i>Salmo salar</i>) due to behavioural thermoregulation. <i>River Research and Applications</i> , 2022 , 38, 107	2.3	3
23	Interannual variation in spawning success of striped bass (<i>Morone saxatilis</i>) in the Saint John River, New Brunswick. <i>River Research and Applications</i> , 2020 , 36, 13-24	2.3	3
22	Large dam renewals and removalsPart 1: Building a science framework to support a decision-making process. <i>River Research and Applications</i> , 2020 , 36, 1460-1471	2.3	3

21	Riparian and in-channel habitat properties linked to dragonfly emergence. <i>Scientific Reports</i> , 2020 , 10, 17665	4.9	3
20	Migration of Atlantic salmon (<i>Salmo salar</i>) smolts in a large hydropower reservoir. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020 , 77, 1463-1476	2.4	2
19	Ontogenetic divergence of growth among rainbow smelt morphotypes. <i>Environmental Biology of Fishes</i> , 2011 , 92, 217-227	1.6	2
18	Complementary responses of stream fish and benthic macroinvertebrate assemblages to environmental drivers in a shale-gas development area. <i>Facets</i> , 2020 , 5, 200-227	2.3	2
17	A High-Resolution, Random Forest Approach to Mapping Depth-to-Bedrock across Shallow Overburden and Post-Glacial Terrain. <i>Remote Sensing</i> , 2021 , 13, 4210	5	2
16	Environment-driven reprogramming of gamete DNA methylation occurs during maturation and is transmitted intergenerationally in Atlantic Salmon. <i>G3: Genes, Genomes, Genetics</i> , 2021 , 11,	3.2	2
15	Salmonid thermal habitat contraction in a hydrogeologically complex setting. <i>Ecosphere</i> , 2021 , 12, e037971	3.1	2
14	Establishing baseline biological conditions and monitoring metrics for stream benthic macroinvertebrates and fish in an area of potential shale gas development. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019 , 76, 1480-1494	2.4	1
13	Seasonal differences in plankton community structure are more pronounced than spatial patterns in the headpond and downstream portions of a large impounded river. <i>Inland Waters</i> , 2019 , 9, 348-361	2.4	1
12	Diel patterns in spatial distribution of fish assemblages in lentic and lotic habitat in a regulated river. <i>River Research and Applications</i> , 2020 , 36, 1014-1023	2.3	1
11	Testing the Severity of Ill Effects Model for Predicting Fish Abundance and Condition. <i>North American Journal of Fisheries Management</i> , 2011 , 31, 419-426	1.1	1
10	Using movements and diet analyses to assess effects of introduced muskellunge (<i>Esox masquinongy</i>) on Atlantic salmon (<i>Salmo salar</i>) in the Saint John River, New Brunswick 2007 , 49-60		1
9	Environment-driven reprogramming of gamete DNA methylation occurs during maturation and is transmitted intergenerationally in salmon		1
8	Consumption of Atlantic Salmon Smolt by Striped Bass: A Review of the Predator-Prey Encounter and Implications for the Design of Effective Sampling Strategies. <i>Fishes</i> , 2019 , 4, 50	2.5	1
7	First record of Eurasian Water-milfoil, <i>Myriophyllum spicatum</i> , for the Saint John River, New Brunswick. <i>Canadian Field-Naturalist</i> , 2019 , 132, 231-237	0.8	1
6	Ecology and Status of the Redbreast Sunfish, <i>Lepomis auritus</i> , in Yoho Lake, New Brunswick. <i>Northeastern Naturalist</i> , 2012 , 19, 653-664	0.5	0
5	Quantitative modelling of fish habitat in a large regulated river in a changing climate. <i>Ecohydrology</i> , e23185	1.5	0
4	Remote sensing framework details riverscape connectivity fragmentation and fish passability in a forested landscape. <i>Journal of Ecohydraulics</i> , 1-12	1.3	0

- 3 Mercury concentrations and stable isotopes ($\delta^{15}\text{N}$ and $\delta^{13}\text{C}$) in fish muscle indicate human impacts in tropical coastal lagoons.. *Marine Pollution Bulletin*, **2022**, 176, 113454 6.7 ○
- 2 Overwintering and migration behaviour of post-spawned Atlantic salmon *Salmo salar* in a large hydropower-regulated river and reservoir. *Journal of Fish Biology*, **2021**, 99, 856-874 1.9
- 1 The waterscape continuum concept: Rethinking boundaries in ecosystems. *Wiley Interdisciplinary Reviews: Water*, 5.7