

Steven J Cooke

List of Publications by Citations

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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.

980

papers

30,376

citations

82

h-index

131

g-index

1,042

ext. papers

36,946

ext. citations

3.2

avg, IF

7.56

L-index

#	Paper	IF	Citations
980	Emerging threats and persistent conservation challenges for freshwater biodiversity. <i>Biological Reviews</i> , 2019 , 94, 849-873	13.5	807
979	ECOLOGY. Aquatic animal telemetry: A panoramic window into the underwater world. <i>Science</i> , 2015 , 348, 1255642	33.3	696
978	Biotelemetry: a mechanistic approach to ecology. <i>Trends in Ecology and Evolution</i> , 2004 , 19, 334-43	10.9	607
977	Conservation physiology. <i>Trends in Ecology and Evolution</i> , 2006 , 21, 38-46	10.9	585
976	The Role of Recreational Fishing in Global Fish Crises. <i>BioScience</i> , 2004 , 54, 857	5.7	510
975	Understanding the Complexity of Catch-and-Release in Recreational Fishing: An Integrative Synthesis of Global Knowledge from Historical, Ethical, Social, and Biological Perspectives. <i>Reviews in Fisheries Science</i> , 2007 , 15, 75-167		430
974	Contrasting recreational and commercial fishing: Searching for common issues to promote unified conservation of fisheries resources and aquatic environments. <i>Biological Conservation</i> , 2006 , 128, 93-108	6.2	339
973	Do we need species-specific guidelines for catch-and-release recreational angling to effectively conserve diverse fishery resources?. <i>Biodiversity and Conservation</i> , 2005 , 14, 1195-1209	3.4	301
972	What is conservation physiology? Perspectives on an increasingly integrated and essential science(I) 2013 , 1, cot001		283
971	Pacific salmon in hot water: applying aerobic scope models and biotelemetry to predict the success of spawning migrations. <i>Physiological and Biochemical Zoology</i> , 2008 , 81, 697-708	2	269
970	Cold shock and fish. <i>Journal of Fish Biology</i> , 2008 , 73, 1491-1530	1.9	219
969	Catch-and-release science and its application to conservation and management of recreational fisheries. <i>Fisheries Management and Ecology</i> , 2007 , 14, 73-79	1.8	214
968	Evidence to Challenge the 2% Rule for Biotelemetry. <i>North American Journal of Fisheries Management</i> , 1999 , 19, 867-871	1.1	205
967	The future of fish passage science, engineering, and practice. <i>Fish and Fisheries</i> , 2018 , 19, 340-362	6	203
966	Biotelemetry and biologging in endangered species research and animal conservation: relevance to regional, national, and IUCN Red List threat assessments. <i>Endangered Species Research</i> , 2008 , 4, 165-185	2.5	201
965	Bending the Curve of Global Freshwater Biodiversity Loss: An Emergency Recovery Plan. <i>BioScience</i> , 2020 , 70, 330-342	5.7	196
964	A review of detection range testing in aquatic passive acoustic telemetry studies. <i>Reviews in Fish Biology and Fisheries</i> , 2014 , 24, 199-218	6	185

963	The social, economic, and environmental importance of inland fish and fisheries. <i>Environmental Reviews</i> , 2016 , 24, 115-121	4.5	171
962	Biological carryover effects: linking common concepts and mechanisms in ecology and evolution. <i>Ecosphere</i> , 2014 , 5, art28	3.1	169
961	Advancing the surgical implantation of electronic tags in fish: a gap analysis and research agenda based on a review of trends in intracoelomic tagging effects studies. <i>Reviews in Fish Biology and Fisheries</i> , 2011 , 21, 127-151	6	168
960	Are circle hooks an effective tool for conserving marine and freshwater recreational catch-and-release fisheries?. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2004 , 14, 299-326	2.6	168
959	Activity and energetics of free-swimming fish: insights from electromyogram telemetry. <i>Fish and Fisheries</i> , 2004 , 5, 21-52	6	163
958	Physiological stress response, reflex impairment, and survival of five sympatric shark species following experimental capture and release. <i>Marine Ecology - Progress Series</i> , 2014 , 496, 207-218	2.6	154
957	Exposure to high temperature influences the behaviour, physiology, and survival of sockeye salmon during spawning migration. <i>Canadian Journal of Zoology</i> , 2008 , 86, 127-140	1.5	154
956	Genomic signatures predict migration and spawning failure in wild Canadian salmon. <i>Science</i> , 2011 , 331, 214-7	33.3	149
955	Acoustic telemetry and fisheries management 2017 , 27, 1031-1049		146
954	Tracking animals in freshwater with electronic tags: past, present and future. <i>Animal Biotelemetry</i> , 2013 , 1, 5	2.8	144
953	Harmonizing recreational fisheries and conservation objectives for aquatic biodiversity in inland waters. <i>Journal of Fish Biology</i> , 2010 , 76, 2194-215	1.9	141
952	Fish response to modified flow regimes in regulated rivers: research methods, effects and opportunities. <i>River Research and Applications</i> , 2008 , 24, 197-217	2.3	140
951	Infectious disease, shifting climates, and opportunistic predators: cumulative factors potentially impacting wild salmon declines. <i>Evolutionary Applications</i> , 2014 , 7, 812-55	4.8	139
950	Abnormal Migration Timing and High en route Mortality of Sockeye Salmon in the Fraser River, British Columbia. <i>Fisheries</i> , 2004 , 29, 22-33	1.1	139
949	Can fish really feel pain?. <i>Fish and Fisheries</i> , 2014 , 15, 97-133	6	138
948	A comparative and evolutionary approach to oxidative stress in fish: A review. <i>Fish and Fisheries</i> , 2017 , 18, 928-942	6	130
947	Use of portable blood physiology point-of-care devices for basic and applied research on vertebrates: a review 2014 , 2, cou011		130
946	Coupling non-invasive physiological assessments with telemetry to understand inter-individual variation in behaviour and survivorship of sockeye salmon: development and validation of a technique. <i>Journal of Fish Biology</i> , 2005 , 67, 1342-1358	1.9	125

945	Selection for Vulnerability to Angling in Largemouth Bass. <i>Transactions of the American Fisheries Society</i> , 2009 , 138, 189-199	1.7	124
944	Making conservation physiology relevant to policy makers and conservation practitioners. <i>Conservation Letters</i> , 2010 , 3, 159-166	6.9	123
943	Behavior and mortality of caught-and-released bonefish (<i>Albula</i> spp.) in Bahamian waters with implications for a sustainable recreational fishery. <i>Biological Conservation</i> , 2004 , 118, 599-607	6.2	123
942	The physiological consequences of catch-and-release angling: perspectives on experimental design, interpretation, extrapolation and relevance to stakeholders. <i>Fisheries Management and Ecology</i> , 2013 , 20, 268-287	1.8	120
941	Threats, conservation strategies, and prognosis for suckers (Catostomidae) in North America: insights from regional case studies of a diverse family of non-game fishes. <i>Biological Conservation</i> , 2005 , 121, 317-331	6.2	120
940	Behavioral and physiological assessment of low concentrations of clove oil anaesthetic for handling and transporting largemouth bass (<i>Micropterus salmoides</i>). <i>Aquaculture</i> , 2004 , 239, 509-529	4.4	118
939	Validation of reflex indicators for measuring vitality and predicting the delayed mortality of wild coho salmon bycatch released from fishing gears. <i>Journal of Applied Ecology</i> , 2012 , 49, 90-98	5.8	117
938	Best practices for catch-and-release recreational fisheries angling tools and tactics. <i>Fisheries Research</i> , 2017 , 186, 693-705	2.3	116
937	Recreational fishing selectively captures individuals with the highest fitness potential. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20960-5	11.5	113
936	Effects of river temperature and climate warming on stock-specific survival of adult migrating Fraser River sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Global Change Biology</i> , 2011 , 17, 99-114	11.4	113
935	Enhancing catch-and-release science with biotelemetry. <i>Fish and Fisheries</i> , 2008 , 9, 79-105	6	111
934	Effects of recreational angling on the post-release behavior and predation of bonefish (<i>Albula vulpes</i>): The role of equilibrium status at the time of release. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007 , 346, 127-133	2.1	110
933	Conservation of Aquatic Resources through the Use of Freshwater Protected Areas: Opportunities and Challenges. <i>Biodiversity and Conservation</i> , 2007 , 16, 2015-2029	3.4	110
932	The understudied and underappreciated role of predation in the mortality of fish released from fishing gears. <i>Fish and Fisheries</i> , 2014 , 15, 489-505	6	108
931	Endangered river fish: factors hindering conservation and restoration. <i>Endangered Species Research</i> , 2012 , 17, 179-191	2.5	108
930	Evaluation of the interactive effects of air exposure duration and water temperature on the condition and survival of angled and released fish. <i>Fisheries Research</i> , 2007 , 86, 169-178	2.3	108
929	Energy Landscapes and the Landscape of Fear. <i>Trends in Ecology and Evolution</i> , 2017 , 32, 88-96	10.9	105
928	Ecosystem approach to inland fisheries: research needs and implementation strategies. <i>Biology Letters</i> , 2011 , 7, 481-3	3.6	105

927	The Influence of Terminal Tackle on Injury, Handling Time, and Cardiac Disturbance of Rock Bass. <i>North American Journal of Fisheries Management</i> , 2001 , 21, 333-342	1.1	104
926	Physiological and behavioral consequences of long-term artificial selection for vulnerability to recreational angling in a teleost fish. <i>Physiological and Biochemical Zoology</i> , 2007 , 80, 480-90	2	103
925	Improving the reliability of fishway attraction and passage efficiency estimates to inform fishway engineering, science, and practice. <i>Ecological Engineering</i> , 2013 , 58, 123-132	3.9	101
924	Physiological disturbance and recovery dynamics of bonefish (<i>Albula vulpes</i>), a tropical marine fish, in response to variable exercise and exposure to air. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007 , 148, 664-73	2.6	99
923	Making connections in aquatic ecosystems with acoustic telemetry monitoring. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 565-573	5.5	98
922	Developing a Mechanistic Understanding of Fish Migrations by Linking Telemetry with Physiology, Behavior, Genomics and Experimental Biology: An Interdisciplinary Case Study on Adult Fraser River Sockeye Salmon. <i>Fisheries</i> , 2008 , 33, 321-339	1.1	98
921	Animal welfare perspectives on recreational angling. <i>Applied Animal Behaviour Science</i> , 2007 , 104, 176-198	2.8	97
920	Effects of different capture techniques on the physiological condition of bonefish <i>Albula vulpes</i> evaluated using field diagnostic tools. <i>Journal of Fish Biology</i> , 2008 , 73, 1351-1375	1.9	96
919	Fish welfare: a challenge to the feelings-based approach, with implications for recreational fishing. <i>Fish and Fisheries</i> , 2007 , 8, 57-71	6	95
918	Taxonomic bias and international biodiversity conservation research. <i>Facets</i> , 2017 , 1, 105-113	2.3	94
917	Capture technique and fish personality: angling targets timid bluegill sunfish, <i>Lepomis macrochirus</i> . <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011 , 68, 749-757	2.4	94
916	A moving target--incorporating knowledge of the spatial ecology of fish into the assessment and management of freshwater fish populations. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 239	3.1	94
915	Mechanistic basis of individual mortality in Pacific salmon during spawning migrations. <i>Ecology</i> , 2006 , 87, 1575-86	4.6	93
914	On the sustainability of inland fisheries: Finding a future for the forgotten. <i>Ambio</i> , 2016 , 45, 753-764	6.5	92
913	Conservation physiology in practice: how physiological knowledge has improved our ability to sustainably manage Pacific salmon during up-river migration. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 1757-69	5.8	92
912	Surgical implantation techniques for electronic tags in fish. <i>Reviews in Fish Biology and Fisheries</i> , 2011 , 21, 71-81	6	92
911	A synthesis of tagging studies examining the behaviour and survival of anadromous salmonids in marine environments. <i>PLoS ONE</i> , 2012 , 7, e31311	3.7	90
910	Size Selectivity, Injury, Handling Time, and Determinants of Initial Hooking Mortality in Recreational Angling for Northern Pike: The Influence of Type and Size of Bait. <i>North American Journal of Fisheries Management</i> , 2008 , 28, 123-134	1.1	90

909	Physiology, behavior, and conservation. <i>Physiological and Biochemical Zoology</i> , 2014 , 87, 1-14	2	88
908	Recovery bags reduce post-release impairments in locomotory activity and behavior of bonefish (<i>Albula</i> spp.) following exposure to angling-related stressors. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013 , 440, 207-215	2.1	87
907	High river temperature reduces survival of sockeye salmon (<i>Oncorhynchus nerka</i>) approaching spawning grounds and exacerbates female mortality. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012 , 69, 330-342	2.4	87
906	Recreational Fisheries: Socioeconomic Importance, Conservation Issues and Management Challenges	39-58	87
905	Integrating physiology and life history to improve fisheries management and conservation. <i>Fish and Fisheries</i> , 2006 , 7, 262-283	6	87
904	Remote bioenergetics measurements in wild fish: Opportunities and challenges. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016 , 202, 23-37	2.6	86
903	Trends in shark bycatch research: current status and research needs. <i>Reviews in Fish Biology and Fisheries</i> , 2012 , 22, 719-737	6	86
902	Ecological Restoration and Physiology: An Overdue Integration. <i>BioScience</i> , 2008 , 58, 957-968	5.7	86
901	Fish stranding in freshwater systems: sources, consequences, and mitigation. <i>Journal of Environmental Management</i> , 2012 , 103, 133-41	7.9	85
900	Dead fish swimming: a review of research on the early migration and high premature mortality in adult Fraser River sockeye salmon <i>Oncorhynchus nerka</i> . <i>Journal of Fish Biology</i> , 2012 , 81, 576-99	1.9	85
899	Effect of water temperature, timing, physiological condition, and lake thermal refugia on migrating adult Weaver Creek sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010 , 67, 70-84	2.4	85
898	Physiological Basis of Climate Change Impacts on North American Inland Fishes. <i>Fisheries</i> , 2016 , 41, 332-345		82
897	Looking beyond the mortality of bycatch: sublethal effects of incidental capture on marine animals. <i>Biological Conservation</i> , 2014 , 171, 61-72	6.2	82
896	Metabolic rates and swimming performance of adult Fraser River sockeye salmon (<i>Oncorhynchus nerka</i>) after a controlled infection with <i>Parvicapsula minibicornis</i> . <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005 , 62, 2124-2133	2.4	82
895	Ionoregulatory changes in different populations of maturing sockeye salmon <i>Oncorhynchus nerka</i> during ocean and river migration. <i>Journal of Experimental Biology</i> , 2005 , 208, 4069-78	3	82
894	Voluntary institutions and behaviours as alternatives to formal regulations in recreational fisheries management. <i>Fish and Fisheries</i> , 2013 , 14, 439-457	6	80
893	Opinion: Governing the recreational dimension of global fisheries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5209-5213	11.5	79
892	FISH Out of WATER: How Much Air is Too Much?. <i>Fisheries</i> , 2015 , 40, 452-461	1.1	79

891	The effects of noise disturbance from various recreational boating activities common to inland waters on the cardiac physiology of a freshwater fish, the largemouth bass (<i>Micropterus salmoides</i>). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2008 , 18, 1315-1324	2.6	78
890	Physiological and behavioural consequences of catch-and-release angling on northern pike (<i>Esox lucius</i> L.). <i>Fisheries Research</i> , 2009 , 97, 223-233	2.3	77
889	Physiological Significance of the Weigh-In during Live-Release Angling Tournaments for Largemouth Bass. <i>Transactions of the American Fisheries Society</i> , 2004 , 133, 1291-1303	1.7	77
888	Utility of biological sensor tags in animal conservation. <i>Conservation Biology</i> , 2015 , 29, 1065-75	6	76
887	Physiological benefits of being small in a changing world: responses of Coho salmon (<i>Oncorhynchus kisutch</i>) to an acute thermal challenge and a simulated capture event. <i>PLoS ONE</i> , 2012 , 7, e39079	3.7	76
886	Personality-dependent spatial ecology occurs independently from dispersal in wild burbot (<i>Lota lota</i>). <i>Behavioral Ecology</i> , 2015 , 26, 483-492	2.3	75
885	The effects of modern war and military activities on biodiversity and the environment. <i>Environmental Reviews</i> , 2015 , 23, 443-460	4.5	75
884	Physiological and energetic correlates of en route mortality for abnormally early migrating adult sockeye salmon (<i>Oncorhynchus nerka</i>) in the Thompson River, British Columbia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 1067-1077	2.4	74
883	Two-Eyed Seeing—An Indigenous framework to transform fisheries research and management. <i>Fish and Fisheries</i> , 2021 , 22, 243-261	6	74
882	The consequences of angling, beach seining, and confinement on the physiology, post-release behaviour and survival of adult sockeye salmon during upriver migration. <i>Fisheries Research</i> , 2011 , 108, 133-141	2.3	73
881	Fishway passage and post-passage mortality of up-river migrating sockeye salmon in the Seton River, British Columbia. <i>River Research and Applications</i> , 2011 , 27, 693-705	2.3	73
880	Stress Indicators in Fish. <i>Fish Physiology</i> , 2016 , 35, 405-462	2	72
879	Envisioning the Future of Aquatic Animal Tracking: Technology, Science, and Application. <i>BioScience</i> , 2017 , 67, 884-896	5.7	71
878	The nexus of fun and nutrition: Recreational fishing is also about food. <i>Fish and Fisheries</i> , 2018 , 19, 201-224		70
877	Acoustic telemetry reveals large-scale migration patterns of walleye in Lake Huron. <i>PLoS ONE</i> , 2014 , 9, e114833	3.7	70
876	Parental care patterns and energetics of smallmouth bass (<i>Micropterus dolomieu</i>) and largemouth bass (<i>Micropterus salmoides</i>) monitored with activity transmitters. <i>Canadian Journal of Zoology</i> , 2002 , 80, 756-770	1.5	70
875	Ecosystem Function and Services of Aquatic Predators in the Anthropocene. <i>Trends in Ecology and Evolution</i> , 2019 , 34, 369-383	10.9	69
874	Context dependency of trait repeatability and its relevance for management and conservation of fish populations 2016 , 4, cow007		69

873	Towards resilient recreational fisheries on a global scale through improved understanding of fish and fisher behaviour. <i>Fisheries Management and Ecology</i> , 2013 , 20, 91-98	1.8	69
872	Ocean Tracking Network Canada: A Network Approach to Addressing Critical Issues in Fisheries and Resource Management with Implications for Ocean Governance. <i>Fisheries</i> , 2011 , 36, 583-592	1.1	69
871	A review of the effects of catch-and-release angling on black bass, <i>Micropterus</i> spp.: implications for conservation and management of populations. <i>Fisheries Management and Ecology</i> , 2007 , 14, 91-101	1.8	69
870	Clear as mud: a meta-analysis on the effects of sedimentation on freshwater fish and the effectiveness of sediment-control measures. <i>Water Research</i> , 2014 , 56, 190-202	12.5	68
869	Effects of landing net mesh type on injury and mortality in a freshwater recreational fishery. <i>Fisheries Research</i> , 2003 , 63, 275-282	2.3	68
868	Locomotory Impairment of Nesting Male Largemouth Bass Following Catch-and-Release Angling. <i>North American Journal of Fisheries Management</i> , 2000 , 20, 968-977	1.1	68
867	Conservation physiology of marine fishes: state of the art and prospects for policy 2016 , 4, cow046		67
866	Generation of priority research questions to inform conservation policy and management at a national level. <i>Conservation Biology</i> , 2011 , 25, 476-84	6	66
865	Influence of Circle Hook Size on Hooking Efficiency, Injury, and Size Selectivity of Bluegill with Comments on Circle Hook Conservation Benefits in Recreational Fisheries. <i>North American Journal of Fisheries Management</i> , 2005 , 25, 211-219	1.1	66
864	Effects of suture material on incision healing, growth and survival of juvenile largemouth bass implanted with miniature radio transmitters: case study of a novice and experienced fish surgeon. <i>Journal of Fish Biology</i> , 2003 , 62, 1366-1380	1.9	65
863	Glucocorticoid manipulations in free-living animals: considerations of dose delivery, life-history context and reproductive state. <i>Functional Ecology</i> , 2016 , 30, 116-125	5.6	65
862	Burst swimming in areas of high flow: delayed consequences of anaerobiosis in wild adult sockeye salmon. <i>Physiological and Biochemical Zoology</i> , 2014 , 87, 587-98	2	64
861	Cardiac Response to Variable Forced Exercise at Different Temperatures: An Angling Simulation for Smallmouth Bass. <i>Transactions of the American Fisheries Society</i> , 2001 , 130, 783-795	1.7	64
860	What makes fish vulnerable to capture by hooks? A conceptual framework and a review of key determinants. <i>Fish and Fisheries</i> , 2017 , 18, 986-1010	6	63
859	Physiology in the service of fisheries science: Why thinking mechanistically matters. <i>Reviews in Fish Biology and Fisheries</i> , 2015 , 25, 425-447	6	63
858	Action Cameras: Bringing Aquatic and Fisheries Research into View. <i>Fisheries</i> , 2015 , 40, 502-512	1.1	63
857	Post-release mortality of bonefish, <i>Albula vulpes</i> , exposed to different handling practices during catch-and-release angling in Eleuthera, The Bahamas. <i>Fisheries Management and Ecology</i> , 2007 , 14, 149-154	1.8	63
856	A roadmap for knowledge exchange and mobilization research in conservation and natural resource management. <i>Conservation Biology</i> , 2017 , 31, 789-798	6	62

855	Is catch-and-release recreational angling compatible with no-take marine protected areas?. <i>Ocean and Coastal Management</i> , 2006 , 49, 342-354	3.9	62
854	Metabolic fright responses of different-sized largemouth bass (<i>Micropterus salmoides</i>) to two avian predators show variations in nonlethal energetic costs. <i>Canadian Journal of Zoology</i> , 2003 , 81, 699-709	1.5	62
853	Estimates of field activity and metabolic rates of bonefish (<i>Albula vulpes</i>) in coastal marine habitats using acoustic tri-axial accelerometer transmitters and intermittent-flow respirometry. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011 , 396, 147-155	2.1	61
852	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	60
851	The physiological response of the Caribbean reef shark (<i>Carcharhinus perezii</i>) to longline capture. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012 , 162, 94-100	2.6	60
850	Aggregations and offshore movements as indicators of spawning activity of bonefish (<i>Albula vulpes</i>) in The Bahamas. <i>Marine Biology</i> , 2011 , 158, 1981-1999	2.5	60
849	Global Impact of Recreational Fisheries. <i>Science</i> , 2005 , 307, 1561-1563	33.3	60
848	The conservation physiology toolbox: status and opportunities 2018 , 6, coy029		60
847	Methodological Approaches and Opinions of Researchers Involved in the Surgical Implantation of Telemetry Transmitters in Fish. <i>Journal of Aquatic Animal Health</i> , 2005 , 17, 160-169	2.6	59
846	Physiology of individual late-run Fraser River sockeye salmon (<i>Oncorhynchus nerka</i>) sampled in the ocean correlates with fate during spawning migration. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006 , 63, 1469-1480	2.4	59
845	Failure to engage the public in issues related to inland fishes and fisheries: strategies for building public and political will to promote meaningful conservation. <i>Journal of Fish Biology</i> , 2013 , 83, 997-1018	1.9	57
844	Behavioral and physiological responses of a wild teleost fish to cortisol and androgen manipulation during parental care. <i>Hormones and Behavior</i> , 2010 , 58, 599-605	3.7	57
843	Mechanisms influencing the timing and success of reproductive migration in a capital breeding semelparous fish species, the sockeye salmon. <i>Physiological and Biochemical Zoology</i> , 2009 , 82, 635-52	2	56
842	Energetics of parental care in six syntopic centrarchid fishes. <i>Oecologia</i> , 2006 , 148, 235-49	2.9	56
841	Swimming activity and energetic expenditure of captive rainbow trout <i>Oncorhynchus mykiss</i> (Walbaum) estimated by electromyogram telemetry. <i>Aquaculture Research</i> , 2000 , 31, 495-505	1.9	56
840	Inland fisheries ¶invisible but integral to the UN Sustainable Development Agenda for ending poverty by 2030. <i>Global Environmental Change</i> , 2017 , 47, 167-173	10.1	55
839	Hooking injury, physiological status and short-term mortality of juvenile lemon sharks (<i>Negaprion brevirostris</i>) following catch-and-release recreational angling 2014 , 2, cot036		55
838	Global warming may disproportionately affect larger adults in a predatory coral reef fish. <i>Global Change Biology</i> , 2017 , 23, 2230-2240	11.4	54

837	Manipulating glucocorticoids in wild animals: basic and applied perspectives 2015 , 3, cov031		54
836	Freshwater Commercial Bycatch: An Understated Conservation Problem. <i>BioScience</i> , 2011 , 61, 271-280	5.7	54
835	The Effect of Scented Lures on the Hooking Injury and Mortality of Smallmouth Bass Caught by Novice and Experienced Anglers. <i>North American Journal of Fisheries Management</i> , 2001 , 21, 242-248	1.1	54
834	Calibrating acoustic acceleration transmitters for estimating energy use by wild adult Pacific salmon. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 164, 491-8	2.6	53
833	Physiological responses of free-swimming adult coho salmon to simulated predator and fisheries encounters. <i>Physiological and Biochemical Zoology</i> , 2010 , 83, 973-83	2	53
832	The metabolic and biochemical basis of vulnerability to recreational angling after three generations of angling-induced selection in a teleost fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010 , 67, 1983-1992	2.4	53
831	Sex and proximity to reproductive maturity influence the survival, final maturation, and blood physiology of Pacific salmon when exposed to high temperature during a simulated migration. <i>Physiological and Biochemical Zoology</i> , 2012 , 85, 62-73	2	53
830	Success stories and emerging themes in conservation physiology 2016 , 4, cov057		52
829	Field and numerical assessment of turning pool hydraulics in a vertical slot fishway. <i>Ecological Engineering</i> , 2014 , 63, 88-101	3.9	52
828	Climate effects on growth, phenology, and survival of sockeye salmon (<i>Oncorhynchus nerka</i>): a synthesis of the current state of knowledge and future research directions. <i>Reviews in Fish Biology and Fisheries</i> , 2012 , 22, 887-914	6	52
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826	Behavioural Physiology of Fish Migrations: salmon as a model approach. <i>Fish Physiology</i> , 2005 , 24, 239-295		52
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355	Spatial ecology of reintroduced walleye (<i>Sander vitreus</i>) in Hamilton Harbour of Lake Ontario. <i>Journal of Great Lakes Research</i> , 2019 , 45, 167-175	3	8
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287	Assessing occupancy of freshwater fishes in urban boat slips of Toronto Harbour. <i>Aquatic Ecosystem Health and Management</i> , 2018 , 21, 331-341	1.4	6
286	The effectiveness of spawning habitat creation or enhancement for substrate spawning temperate fish: a systematic review protocol. <i>Environmental Evidence</i> , 2017 , 6,	3.3	6
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272	On the variable effects of climate change on Pacific salmon. <i>Ecological Modelling</i> , 2019 , 397, 95-106	3	6
271	Can You Fish in a Pandemic? An Overview of Recreational Fishing Management Policies in North America During the COVID-19 Crisis. <i>Fisheries</i> , 2021 , 46, 81-85	1.1	6
270	The second warning to humanity: contributions and solutions from conservation physiology	2021, 9,	6
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267	Consequences of winter air exposure on walleye (<i>Sander vitreus</i>) physiology and impairment following a simulated ice-angling event. <i>Fisheries Research</i> , 2019 , 215, 106-113	2.3	5
266	A physiological comparison of three techniques for reviving sockeye salmon exposed to a severe capture stressor during upriver migration	2015, 3, cov015	5
265	Variation in whole-, landed- and trimmed-carcass and fin-weight ratios for various sharks captured on demersal set-lines off eastern Australia. <i>Fisheries Research</i> , 2015 , 167, 190-198	2.3	5
264	Integrating season-specific needs of migratory and resident birds in conservation planning. <i>Biological Conservation</i> , 2020 , 252, 108826	6.2	5
263	World Fish Migration Day Connects Fish, Rivers, and People [From a One-Day Event to a Broader Social Movement. <i>Fisheries</i> , 2020 , 45, 465-474	1.1	5
262	Handling, infectious agents and physiological condition influence survival and post-release behaviour in migratory adult coho salmon after experimental displacement	2020, 8, coaa033	5

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242	Examining the relationships between egg cortisol and oxidative stress in developing wild sockeye salmon (<i>Oncorhynchus nerka</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016 , 200, 87-93	2.6	5
241	Immediate physiological and behavioural response from catch-and-release of wild white sturgeon (<i>Acipenser transmontanus</i> Richardson, 1836). <i>Fisheries Research</i> , 2019 , 214, 65-75	2.3	5
240	Low connectivity between sympatric populations of sunfish ecotypes suggests ecological opportunity contributes to diversification. <i>Evolutionary Ecology</i> , 2020 , 34, 391-410	1.8	5
239	The various ways that anadromous salmonids use lake habitats to complete their life history. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021 , 78, 90-100	2.4	5
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237	Physiological biomarkers and fisheries management. <i>Reviews in Fish Biology and Fisheries</i> , 2021 , 31, 797	6	5
236	Movement and summer habitat of brown trout (<i>Salmo trutta</i>) below a pulsed discharge hydroelectric generating station 1999 , 15, 395		5
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227	The Value of Experimental Approaches in Migration Biology. <i>Physiological and Biochemical Zoology</i> , 2020 , 93, 210-226	2	4
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220	Morphological, physiological and dietary covariation in migratory and resident adult brown trout (<i>Salmo trutta</i>). <i>Zoology</i> , 2017 , 123, 79-90	1.7	4
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218	A call for more physiology at conservation conferences. <i>Biodiversity and Conservation</i> , 2017 , 26, 2507-2515	3.4	4
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213	Species Diversity, Phylogeny and Phylogeography of Centrarchidae		4
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199	A role for lakes in revealing the nature of animal movement using high dimensional telemetry systems. <i>Movement Ecology</i> , 2021 , 9, 40	4.6	4
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149	Comparison of several techniques for mobility and activity estimates of smallmouth bass in lentic environments 2001 , 58, 573		3
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146	Can conservation targets for imperilled freshwater fishes and mussels be achieved by captive breeding and release programs? A systematic map protocol to determine available evidence. <i>Environmental Evidence</i> , 2019 , 8,	3.3	2
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135	Impacts of Channel Morphodynamics on Fish Habitat Utilization. <i>Environmental Management</i> , 2019 , 64, 272-286	3.1	2
134	Comment: Not all Biases are Created Equal – Comment on the Snorkel Survey Bias Observed by Hessenauer et al. (2014). <i>North American Journal of Fisheries Management</i> , 2014 , 34, 1204-1206	1.1	2
133	Does UV disinfection compromise sutures? An evaluation of tissue response and suture retention in salmon surgically implanted with transmitters. <i>Fisheries Research</i> , 2013 , 147, 32-35	2.3	2
132	A letter of clarification from the authors of ‘Trophy fishing for species threatened with extinction’ <i>Marine Policy</i> , 2015 , 53, 213-214	3.5	2
131	Benefits and Risks of Adopting the Global Code of Practice for Recreational Fisheries. <i>Fisheries</i> , 2012 , 37, 165-172	1.1	2
130	Accidental bait: do deceased fish increase freshwater turtle bycatch in commercial fyke nets?. <i>Environmental Management</i> , 2012 , 50, 31-8	3.1	2
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127	Evidence to Challenge the 8% Rule for Biotelemetry 1999 , 19, 867		2
126	Artificial light at night does not alter heart rate or locomotor behaviour in Caribbean spiny lobster (<i>Libinia</i>): insights into light pollution and physiological disturbance using biologgers 2020 , 8, coa097		2
125	Behaviour and survival of wild Atlantic salmon <i>Salmo salar</i> captured and released while surveillance angling for escaped farmed salmon. <i>Aquaculture Environment Interactions</i> , 2017 , 9, 311-319	2.9	2
124	Comparative Evaluation of Four Presumptive Tests for Blood to Detect Epithelial Injury on Fish. <i>Journal of Fish and Wildlife Management</i> , 2014 , 5, 26-34	0.7	2
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121	Fish Welfare in Recreational Fishing. <i>Animal Welfare</i> , 2020 , 463-485	1	2
120	Sex-specific differences in swimming, aerobic metabolism and recovery from exercise in adult coho salmon (<i>Oncorhynchus kisutch</i>) across ecologically relevant temperatures 2021 , 9, coab016		2
119	Tracking wild sockeye salmon smolts to the ocean reveals distinct regions of nocturnal movement and high mortality 2016 , n/a-n/a		2
118	How do natural changes in flow magnitude affect fish abundance and diversity in temperate regions? A systematic review protocol. <i>Ecological Solutions and Evidence</i> , 2021 , 2, e12079	2.1	2

117	Elevated cortisol lowers thermal tolerance but results in limited cardiac remodelling in rainbow trout (<i>Oncorhynchus mykiss</i>) experiencing chronic social stress. <i>Journal of Experimental Biology</i> , 2021 , 224,	3	2
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105	Global impact of recreational fisheries. <i>Science</i> , 2005 , 307, 1561-3; author reply 1561-3	33.3	2
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71	Correction: Necessary but challenging: Multiple disciplinary approaches to solving conservation problems. <i>Facets</i> , 2017 , 2, 476-476	2.3	1
70	Spatiotemporal ecology of juvenile Muskellunge (<i>Esox masquinongy</i>) and Northern Pike (<i>Esox lucius</i>) in upper St. Lawrence River nursery bays during their inaugural fall and winter. <i>Ecology of Freshwater Fish</i> , 2020 , 29, 346-363	2.1	1
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