

Joseph D Zydlewski

List of Publications by Year in descending order

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87
papers

1,723
citations

304368

22
h-index

360668

35
g-index

88
all docs

88
docs citations

88
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Monitoring of Fish in Small Streams. <i>Fisheries</i> , 2006, 31, 492-502.	0.6	129
2	A multiscale approach to balance trade-offs among dam infrastructure, river restoration, and cost. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12069-12074.	3.3	59
3	Development and evaluation of portable PIT tag detection units: PITpacks. <i>Fisheries Research</i> , 2006, 77, 102-109.	0.9	56
4	Linking Behavior, Physiology, and Survival of Atlantic Salmon Smolts During Estuary Migration. <i>Marine and Coastal Fisheries</i> , 2015, 7, 68-86.	0.6	56
5	Anadromous Sea Lampreys Recolonize a Maine Coastal River Tributary after Dam Removal. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 1381-1394.	0.6	55
6	Land-use change and the ecological consequences of personality in small mammals. <i>Ecology Letters</i> , 2019, 22, 1387-1395.	3.0	50
7	The ontogeny of salinity tolerance in the American shad, <i>Alosa sapidissima</i> . <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1997, 54, 182-189.	0.7	49
8	Descaling Injury Impairs the Osmoregulatory Ability of Atlantic Salmon Smolts Entering Seawater. <i>Transactions of the American Fisheries Society</i> , 2010, 139, 129-136.	0.6	49
9	DISTRIBUTION AND ABUNDANCE OF STREAM FISHES IN RELATION TO BARRIERS: IMPLICATIONS FOR MONITORING STREAM RECOVERY AFTER BARRIER REMOVAL. <i>River Research and Applications</i> , 2013, 29, 65-78.	0.7	49
10	Managing dams for energy and fish tradeoffs: What does a win-win solution take?. <i>Science of the Total Environment</i> , 2019, 669, 833-843.	3.9	49
11	Seasonal Distribution and Movements of Shortnose Sturgeon and Atlantic Sturgeon in the Penobscot River Estuary, Maine. <i>Transactions of the American Fisheries Society</i> , 2010, 139, 1436-1449.	0.6	43
12	Survival of Migrating Atlantic Salmon Smolts through the Penobscot River, Maine: a Prerestoration Assessment. <i>Transactions of the American Fisheries Society</i> , 2011, 140, 1255-1268.	0.6	42
13	PIT tags increase effectiveness of freshwater mussel recaptures. <i>Journal of the North American Benthological Society</i> , 2007, 26, 253-260.	3.0	38
14	Fish Community Response to a Small Stream Dam Removal in a Maine Coastal River Tributary. <i>Transactions of the American Fisheries Society</i> , 2015, 144, 467-479.	0.6	35
15	Dam Removal and Fish Passage Improvement Influence Fish Assemblages in the Penobscot River, Maine. <i>Transactions of the American Fisheries Society</i> , 2018, 147, 525-540.	0.6	34
16	Developmental and environmental regulation of chloride cells in young American shad, <i>Alosa sapidissima</i> . <i>The Journal of Experimental Zoology</i> , 2001, 290, 73-87.	1.4	33
17	Anadromous sea lampreys (<i>Petromyzon marinus</i>) are ecosystem engineers in a spawning tributary. <i>Freshwater Biology</i> , 2014, 59, 1294-1307.	1.2	33
18	Freshwater to Seawater Transitions in Migratory Fishes. <i>Fish Physiology</i> , 2012, , 253-326.	0.2	32

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19	Multibeam sonar (DIDSON) assessment of American shad (<i>Alosa sapidissima</i>) approaching a hydroelectric dam. Canadian Journal of Fisheries and Aquatic Sciences, 2014, 71, 545-558.	0.7	30
20	Initiation of migration and movement rates of Atlantic salmon smolts in fresh water. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1339-1351.	0.7	29
21	Distribution and Abundance of Anadromous Sea Lamprey Spawners in a Fragmented Stream: Current Status and Potential Range Expansion Following Barrier Removal. Northeastern Naturalist, 2012, 19, 99-110.	0.1	28
22	Carcass analogues provide marine subsidies for macroinvertebrates and juvenile Atlantic salmon in temperate oligotrophic streams. Freshwater Biology, 2014, 59, 392-406.	1.2	27
23	Carcass analog addition enhances juvenile Atlantic salmon (<i>Salmo salar</i>) growth and condition. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 860-870.	0.7	26
24	Transboundary Fisheries Science: Meeting the Challenges of Inland Fisheries Management in the 21st Century. Fisheries, 2016, 41, 536-546.	0.6	26
25	Enhanced smolt characteristics of steelhead trout exposed to alternative hatchery conditions during the final months of rearing. Aquaculture, 2003, 222, 101-117.	1.7	24
26	Effect of daily oscillation in temperature and increased suspended sediment on growth and smolting in juvenile chinook salmon, <i>Oncorhynchus tshawytscha</i> . Aquaculture, 2007, 273, 269-276.	1.7	24
27	Movements of Prespawn Adult Atlantic Salmon Near Hydroelectric Dams in the Lower Penobscot River, Maine. North American Journal of Fisheries Management, 2009, 29, 495-505.	0.5	24
28	The loss of hyperosmoregulatory ability in migrating juvenile American shad, <i>Alosa sapidissima</i> . Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 2377-2387.	0.7	23
29	Sea lamprey carcasses exert local and variable food web effects in a nutrient-limited Atlantic coastal stream. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1616-1625.	0.7	23
30	Reconsidering residency: characterization and conservation implications of complex migratory patterns of shortnose sturgeon (<i>Acipenser brevirostrum</i>). Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 119-127.	0.7	20
31	Late migration and seawater entry is physiologically disadvantageous for American shad juveniles. Journal of Fish Biology, 2003, 63, 1521-1537.	0.7	19
32	Catchment-wide survival of wild- and hatchery-reared Atlantic salmon smolts in a changing system. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 1352-1365.	0.7	19
33	Decomposition of sea lamprey <i>Petromyzon marinus</i> carcasses: temperature effects, nutrient dynamics, and implications for stream food webs. Hydrobiologia, 2015, 760, 57-67.	1.0	19
34	Assessing dorsal scute microchemistry for reconstruction of shortnose sturgeon life histories. Environmental Biology of Fishes, 2015, 98, 2321-2335.	0.4	19
35	An Assessment of Fish Assemblage Structure in a Large River. River Research and Applications, 2015, 31, 301-312.	0.7	19
36	The loss of hyperosmoregulatory ability in migrating juvenile American shad, <i>Alosa sapidissima</i> . Canadian Journal of Fisheries and Aquatic Sciences, 1997, 54, 2377-2387.	0.7	19

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37	The Encephalomyocarditis Virus 3C Protease Is Rapidly Degraded by an ATP-Dependent Proteolytic System in Reticulocyte Lysate. <i>Virology</i> , 1993, 193, 28-40.	1.1	18
38	Movements and Demography of Spawning American Shad in the Penobscot River, Maine, prior to Dam Removal. <i>Transactions of the American Fisheries Society</i> , 2014, 143, 552-563.	0.6	18
39	The Stress Response of Juvenile American Shad to Handling and Confinement is Greater during Migration in Freshwater than in Seawater. <i>Transactions of the American Fisheries Society</i> , 2001, 130, 1203-1210.	0.6	17
40	Transport, Dam Passage, and Size Selection of Adult Atlantic Salmon in the Penobscot River, Maine. <i>North American Journal of Fisheries Management</i> , 2015, 35, 1164-1176.	0.5	17
41	Upstream Movements of Atlantic Salmon in the Lower Penobscot River, Maine Following Two Dam Removals and Fish Passage Modifications. <i>Marine and Coastal Fisheries</i> , 2016, 8, 448-461.	0.6	16
42	Patterns of migration and residency in coastal cutthroat trout <i>Oncorhynchus clarkii clarkii</i> from two tributaries of the lower Columbia River. <i>Journal of Fish Biology</i> , 2009, 75, 203-222.	0.7	15
43	Evidence of Panmixia between Sympatric Life History Forms of Coastal Cutthroat Trout in Two Lower Columbia River Tributaries. <i>North American Journal of Fisheries Management</i> , 2010, 30, 691-701.	0.5	15
44	To Stock or Not to Stock? Assessing the Restoration Potential of a Remnant American Shad Spawning Run with Hatchery Supplementation. <i>North American Journal of Fisheries Management</i> , 2013, 33, 459-467.	0.5	15
45	Does What Goes up Also Come Down? Using a Recruitment Model to Balance Alewife Nutrient Import and Export. <i>Marine and Coastal Fisheries</i> , 2018, 10, 236-254.	0.6	15
46	The Effects of Smolt Stocking Strategies on Migratory Path Selection of Adult Atlantic Salmon in the Penobscot River, Maine. <i>North American Journal of Fisheries Management</i> , 2009, 29, 949-957.	0.5	14
47	Characterizing Seasonal Habitat Use and Diel Vertical Activity of Lake Whitefish in Clear Lake, Maine, as Determined with Acoustic Telemetry. <i>Transactions of the American Fisheries Society</i> , 2012, 141, 761-771.	0.6	14
48	Gill Na ⁺ ,K ⁺ -ATPase of Atlantic salmon smolts in freshwater is not a predictor of long-term growth in seawater. <i>Aquaculture</i> , 2012, 362-363, 121-126.	1.7	14
49	Shortnose sturgeon use small coastal rivers: the importance of habitat connectivity. <i>Journal of Applied Ichthyology</i> , 2011, 27, 41-44.	0.3	11
50	Effects of sea lamprey substrate modification and carcass nutrients on macroinvertebrate assemblages in a small Atlantic coastal stream. <i>Journal of Freshwater Ecology</i> , 2018, 33, 19-30.	0.5	11
51	A dam passage performance standard model for American shad. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019, 76, 762-779.	0.7	11
52	American eel personality and body length influence passage success in an experimental fishway. <i>Journal of Applied Ecology</i> , 2021, 58, 2760-2769.	1.9	11
53	Assessing the Effects of Catch&Release Regulations on a Brook Trout Population Using an Age&Structured Model. <i>North American Journal of Fisheries Management</i> , 2010, 30, 1434-1444.	0.5	10
54	Balancing fish-energy-cost tradeoffs through strategic basin-wide dam management. <i>Resources, Conservation and Recycling</i> , 2020, 161, 104990.	5.3	10

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55	Use of Olfactory Cues by Newly Metamorphosed Wood Frogs (<i>Lithobates sylvaticus</i>) during Emigration. <i>Copeia</i> , 2012, 2012, 424-431.	1.4	9
56	Climate Change May Cause Shifts in Growth and Instantaneous Natural Mortality of American Shad Throughout Their Native Range. <i>Transactions of the American Fisheries Society</i> , 2021, 150, 407-421.	0.6	9
57	Movement, Survival, and Delays of Atlantic Salmon Smolts in the Piscataquis River, Maine, USA. <i>Transactions of the American Fisheries Society</i> , 2021, 150, 345-360.	0.6	9
58	The influence of nutrients from carcasses of sea lamprey (<i>Petromyzon marinus</i>) on larval growth and spawner abundance. <i>Fishery Bulletin</i> , 2018, 116, 142-152.	0.1	9
59	Retrospective Analysis of Seasonal Ocean Growth Rates of Two Sea Winter Atlantic Salmon in Eastern Maine Using Historic Scales. <i>Marine and Coastal Fisheries</i> , 2017, 9, 357-372.	0.6	8
60	Subsidies from anadromous sea lamprey (<i>Petromyzon marinus</i>) carcasses function as a reciprocal nutrient exchange between marine and freshwaters. <i>River Research and Applications</i> , 2018, 34, 824-833.	0.7	8
61	The consequences of dam passage for downstream-migrating American eel in the Penobscot River, Maine. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1181-1192.	0.7	8
62	Habitat Selection and Overlap of Atlantic Salmon and Smallmouth Bass Juveniles in Nursery Streams. <i>Transactions of the American Fisheries Society</i> , 2011, 140, 1145-1157.	0.6	7
63	Monitoring Eastern Spadefoot (<i>Scaphiopus holbrookii</i>) Response to Weather with the Use of a Passive Integrated Transponder (PIT) System. <i>Journal of Herpetology</i> , 2015, 49, 257-263.	0.2	7
64	What Have We Lost? Modeling Dam Impacts on American Shad Populations Through Their Native Range. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	7
65	Observations of American Shad <i>Alosa sapidissima</i> Approaching and Using a Vertical Slot Fishway at the Head of Tide Brunswick Dam on the Androscoggin River, Maine. <i>North American Journal of Fisheries Management</i> , 2019, 39, 989-998.	0.5	6
66	Coordinated river infrastructure decisions improve net social-ecological benefits. <i>Environmental Research Letters</i> , 2020, 15, 104054.	2.2	6
67	Movement and mortality of Atlantic salmon kelts (<i>Salmo salar</i>) released into the Penobscot River, Maine. <i>Fishery Bulletin</i> , 2018, 116, 281-290.	0.1	6
68	Migratory Urge and Gill Na ⁺ K ⁺ -ATPase Activity of Hatchery-Reared Atlantic Salmon Smolts from the Dennys and Penobscot River Stocks, Maine. <i>Transactions of the American Fisheries Society</i> , 2010, 139, 947-956.	0.6	5
69	Experimental Evaluation of Size-Dependent Predation by Adult Post-Spawned Rainbow Smelt on Larval Lake Whitefish. <i>North American Journal of Fisheries Management</i> , 2013, 33, 163-169.	0.5	5
70	Comparison of Two Sampling Designs for Fish Assemblage Assessment in a Large River. <i>Transactions of the American Fisheries Society</i> , 2014, 143, 508-518.	0.6	5
71	Movement patterns of Brook Trout in a restored coastal stream system in southern Massachusetts. <i>Ecology of Freshwater Fish</i> , 2016, 25, 360-375.	0.7	5
72	Summer Movements of Sub-Adult Brook Trout, Landlocked Atlantic Salmon, and Smallmouth Bass in the Rapid River, Maine. <i>Journal of Freshwater Ecology</i> , 2009, 24, 567-580.	0.5	4

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73	High-Density Polyethylene Pipe: A New Material for Pass-By Passive Integrated Transponder Antennas. North American Journal of Fisheries Management, 2012, 32, 49-52.	0.5	4
74	Growth and Smolting in Lower-Mode Atlantic Salmon Stocked into the Penobscot River, Maine. North American Journal of Fisheries Management, 2014, 34, 147-158.	0.5	4
75	Hard choices in assessing survival past dams – a comparison of single- and paired-release strategies. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 178-190.	0.7	4
76	Modeling White Sucker (<i>Catostomus commersonii</i>) populations to assess commercial harvest influence on age structure. Journal of Freshwater Ecology, 2018, 33, 413-428.	0.5	4
77	River Reach Restored by Dam Removal Offers Suitable Spawning Habitat for Endangered Shortnose Sturgeon. Transactions of the American Fisheries Society, 2019, 148, 163-175.	0.6	4
78	Effects of Smallmouth Bass on Atlantic Salmon Habitat Use and Diel Movements in an Artificial Stream. Transactions of the American Fisheries Society, 2012, 141, 174-184.	0.6	3
79	Growth variability of brook charr (<i>Salvelinus fontinalis</i>) in coastal maine. Ecology of Freshwater Fish, 2014, 23, 516-526.	0.7	3
80	Smolting in coastal cutthroat trout <i>Onchorhynchus clarkii clarkii</i> . Journal of Fish Biology, 2014, 85, 1111-1130.	0.7	3
81	Understanding the basis of shortnose sturgeon (<i>Acipenser brevirostrum</i>) partial migration in the Gulf of Maine. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 464-473.	0.7	3
82	Size and Age Structure of Anadromous and Landlocked Populations of Rainbow Smelt. North American Journal of Fisheries Management, 2017, 37, 326-336.	0.5	2
83	A Comparison of Age, Size, and Fecundity of Harvested and Reference White Sucker Populations. North American Journal of Fisheries Management, 2017, 37, 510-523.	0.5	2
84	Age and Growth of a Native, Lightly Exploited Population of <i>Coregonus clupeaformis</i> (Lake Whitefish) in a Small Natural Lake in Maine. Northeastern Naturalist, 2018, 25, 599-610.	0.1	1
85	Science in action or science inaction? Evaluating the implementation of "best available science" in hydropower relicensing. Energy Policy, 2020, 143, 111457.	4.2	1
86	Characterizing Downstream Migration Timing of American Eels Using Commercial Catch Data in the Penobscot and Delaware Rivers. Marine and Coastal Fisheries, 2021, 13, 534-547.	0.6	1
87	An interactive decision-making tool for evaluating biological and statistical standards of migrating fish survival past hydroelectric dams. River Research and Applications, 2020, 36, 1024-1032.	0.7	0