Gregory W Whitledge

List of Publications by Year
in descending order

64	1,197	304368	454577
papers	citations	22 h-index	30 g-index

64	64	64	933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Widespread consumption-dependent systematic error in fish bioenergetics models and its implications. Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 2158-2167.	0.7	54
2	RIPARIAN SHADING AND GROUNDWATER ENHANCE GROWTH POTENTIAL FOR SMALLMOUTH BASS IN OZARK STREAMS. , 2006, 16, 1461-1473.		53
3	Otolith trace element and stable isotopic compositions differentiate fishes from the Middle Mississippi River, its tributaries, and floodplain lakes. Hydrobiologia, 2011, 661, 289-302.	1.0	48
4	Assessment of otolith chemistry for identifying source environment of fishes in the lower Illinois River, Illinois. Hydrobiologia, 2010, 638, 109-119.	1.0	46
5	Development and Laboratory Evaluation of a Bioenergetics Model for Subadult and Adult Smallmouth Bass. Transactions of the American Fisheries Society, 2003, 132, 316-325.	0.6	44
6	Sources of Nonnative Centrarchids in the Upper Colorado River Revealed by Stable Isotope and Microchemical Analyses of Otoliths. Transactions of the American Fisheries Society, 2007, 136, 1263-1275.	0.6	43
7	Stable hydrogen isotopic composition of fishes reflects that of their environment. Canadian Journal of Fisheries and Aquatic Sciences, 2006, 63, 1746-1751.	0.7	42
8	Laboratory evaluation of two bioenergetics models applied to yellow perch: identification of a major source of systematic error. Journal of Fish Biology, 2003, 62, 436-454.	0.7	41
9	Laboratory Evaluation of a Bioenergetics Model for Largemouth Bass at Two Temperatures and Feeding Levels. Transactions of the American Fisheries Society, 1997, 126, 1030-1035.	0.6	38
10	Testing Bioenergetics Models under Feeding Regimes That Elicit Compensatory Growth. Transactions of the American Fisheries Society, 1998, 127, 740-746.	0.6	35
11	Evaluating upstream passage and timing of approach by adult bigheaded carps at a gated dam on the Illinois River. River Research and Applications, 2017, 33, 1268-1278.	0.7	33
12	Evaluation of Otolith Microchemistry for Identifying Natal Origin of Anadromous River Herring in Connecticut. Marine and Coastal Fisheries, 2012, 4, 358-372.	0.6	32
13	Recruitment sources of invasive Bighead carp (Hypopthalmichthys nobilis) and Silver carp (H. molitrix) inhabiting the Illinois River. Biological Invasions, 2015, 17, 2999-3014.	1.2	32
14	Identification of Bighead Carp and Silver Carp early-life environments and inferring Lock and Dam 19 passage in the Upper Mississippi River: insights from otolith chemistry. Biological Invasions, 2019, 21, 1007-1020.	1.2	30
15	Simultaneous identification and correction of systematic error in bioenergetics models: demonstration with a white crappie (Pomoxis annularis) model. Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 2168-2182.	0.7	29
16	Evaluation of a stable-isotope labelling technique for mass marking fin rays of age-0 lake sturgeon. Fisheries Management and Ecology, 2011, 18, 168-175.	1.0	29
17	Multistate models of bigheaded carps in the Illinois River reveal spatial dynamics of invasive species. Biological Invasions, 2018, 20, 3255-3270.	1.2	29
18	Effects of Temperature on Specific Daily Metabolic Demand and Growth Scope of Sub-Adult and Adult Smallmouth Bass. Journal of Freshwater Ecology, 2002, 17, 353-361.	0.5	27

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19	Longâ€Term PIT and Tâ€Bar Anchor Tag Retention Rates in Adult Muskellunge. North American Journal of Fisheries Management, 2011, 31, 515-519.	0.5	27
20	Development and evaluation of species distribution models for fourteen native central U.S. fish species. Hydrobiologia, 2015, 747, 159-176.	1.0	27
21	MAXIMUM DAILY CONSUMPTION AND RESPIRATION RATES AT FOUR TEMPERATURES FOR FIVE SPECIES OF CRAYFISH FROM MISSOURI, U.S.A. (DECAPODA, ORCONECTES SPP.). Crustaceana, 2002, 75, 1119-1132.	0.1	25
22	Fin Ray Chemistry as a Potential Natural Tag for Smallmouth Bass in Northern Illinois Rivers. Journal of Freshwater Ecology, 2010, 25, 627-635.	0.5	25
23	Identification of stocked muskellunge and potential for distinguishing hatcheryâ€origin and wild fish using pelvic fin ray microchemistry. Fisheries Management and Ecology, 2014, 21, 312-321.	1.0	24
24	Otolith microchemistry and isotopic composition as potential indicators of fish movement between the Illinois River drainage and Lake Michigan. Journal of Great Lakes Research, 2009, 35, 101-106.	0.8	22
25	Fatty acid profiles are biomarkers of fish habitat use in a river-floodplain ecosystem. Hydrobiologia, 2016, 773, 63-75.	1.0	22
26	Otolith Î´¹⁵N Distinguishes Fish from Forested and Agricultural Streams in Southern Illinois. Journal of Freshwater Ecology, 2008, 23, 333-336.	0.5	21
27	Recruitment Sources of Channel and Blue Catfishes Inhabiting the Middle Mississippi River. River Research and Applications, 2016, 32, 1808-1818.	0.7	21
28	Evaluation of Î´D and Î´¹⁸O as natural markers of invertebrate source environment and dispersal in the middle Mississippi Riverâ€floodplain ecosystem. River Research and Applications, 2012, 28, 135-142.	0.7	20
29	Establishing ecologically relevant management boundaries: linking movement ecology with the conservation ofScaphirhynchussturgeon. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 877-884.	0.7	20
30	Identifying sources and year classes contributing to invasive grass carp in the Laurentian Great Lakes. Journal of Great Lakes Research, 2021, 47, 14-28.	0.8	18
31	Lake sturgeon A cipenser fulvescens and shovelnose sturgeon S caphirhynchus platorynchus environmental life history revealed using pectoral finâ€ray microchemistry: implications for interjurisdictional conservation through fishery closure zones. Journal of Fish Biology, 2017, 90, 626-639.	0.7	16
32	Early generation hybrids may drive range expansion of two invasive fishes. Freshwater Biology, 2020, 65, 716-730.	1.2	16
33	Reproductive biology of middle Mississippi River shovelnose sturgeon: insights from seasonal and age variation in plasma sex steroid and calcium concentrations. Journal of Applied Ichthyology, 2009, 25, 75-82.	0.3	15
34	Assessment of the Effects of High Summer Water Temperatures on Shovelnose Sturgeon and Potential Implications of Climate Change. River Research and Applications, 2015, 31, 1195-1201.	0.7	15
35	Determining sampling date interval for precise in situ estimates of cumulative food consumption by fishes. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1131-1138.	0.7	14
36	Improvement of Bioenergetics Model Predictions for Fish Undergoing Compensatory Growth. Transactions of the American Fisheries Society, 2006, 135, 49-54.	0.6	14

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37	Stable oxygen isotope analysis confirms natural recruitment of Lake Michigan-origin lake trout (Salvelinus namaycush) to the adult life stage. Fisheries Research, 2017, 190, 15-23.	0.9	13
38	Effects of dietary cypermethrin exposure on swimming performance and expression of lipid homeostatic genes in livers of juvenile Chinook salmon, Oncorhynchus tshawytscha. Ecotoxicology, 2021, 30, 257-267.	1.1	11
39	Habitat Characteristics of Black Crappie Nest Sites in an Illinois Impoundment. North American Journal of Fisheries Management, 2009, 29, 189-195.	0.5	10
40	Laboratory Evaluation of Two Bioenergetics Models for Brown Trout. Transactions of the American Fisheries Society, 2010, 139, 929-936.	0.6	9
41	Using pectoral fin rays as a non-lethal aging structure for smallmouth bass: precision with otolith age estimates and the importance of reader experience. Journal of Freshwater Ecology, 2013, 28, 199-210.	0.5	9
42	Recruitment sources and spatial patterns of population demographics of spotted bass in a large riverâ€“tributary network. Fisheries Management and Ecology, 2018, 25, 339-349.	1.0	8
43	Pesticide residues in juvenile Chinook salmon and prey items of the Sacramento River watershed, California â€“ A comparison of riverine and floodplain habitats. Environmental Pollution, 2022, 303, 119102.	3.7	8
44	Populationâ€level responses of life history traits to flow regime in three common stream fish species. Ecohydrology, 2016, 9, 1388-1399.	1.1	7
45	Dietary Exposure to Bifenthrin and Fipronil Impacts Swimming Performance in Juvenile Chinook Salmon (Oncorhynchus tshawytscha). Environmental Science & Technology, 2022, 56, 5071-5080.	4.6	7
46	Fatty Acid Profiles Distinguish Channel Catfish from Three Reaches of the Lower Kaskaskia River and its Floodplain Lakes. River Research and Applications, 2016, 32, 362-372.	0.7	6
47	Movement of small-bodied fishes from Lake Michigan into Chicago Area Waterways: Insights from otolith chemistry. Journal of Applied Ichthyology, 2017, 33, 1166-1172.	0.3	6
48	Ageâ€0 Silver Carp Otolith Microchemistry and Microstructure Reveal Multiple Earlyâ€Life Environments and Protracted Spawning in the Upper Mississippi River. North American Journal of Fisheries Management, 0, , .	0.5	6
49	Relationships between water and paddlefish Polyodon spathula dentary elemental and stableâ€isotopic signatures: potential application for reconstructing environmental history. Journal of Fish Biology, 2017, 90, 595-610.	0.7	5
50	Sources of Bighead Carp and Silver Carp Found in Chicago Urban Fishing Program Ponds. Transactions of the American Fisheries Society, 2019, 148, 417-425.	0.6	5
51	Otolith chemistry of prey fish consumed by a fish predator: does digestion hinder Russian doll techniques?. Journal of Fish Biology, 2009, 75, 2606-2614.	0.7	4
52	Synchronization of fishesâ€™ temporal feeding patterns with weather in mid-Missouri. Journal of Freshwater Ecology, 2012, 27, 419-428.	0.5	4
53	Habitat associations of fish assemblages in the Cache River, Illinois. Environmental Biology of Fishes, 2014, 97, 27-42.	0.4	4
54	Drivers and uncertainties of forecasted range shifts for warm-water fishes under climate and land cover change. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 415-425.	0.7	4

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55	Natal environments of ageâ€0 paddlefish in the middle Mississippi River inferred from dentary microchemistry. River Research and Applications, 2019, 35, 1554-1562.	0.7	4
56	Recruitment contributions and natal fidelity in tributary rivers of the Grand Lake, Oklahoma, Paddlefish stock. Fisheries Management and Ecology, 2022, 29, 213-223.	1.0	4
57	Bioavailability of legacy and current-use pesticides in juvenile Chinook salmon habitat of the Sacramento River watershed: Importance of sediment characteristics and extraction techniques. Chemosphere, 2022, 298, 134174.	4.2	4
58	Evaluation of Recently Implemented Harvest Regulations in a Dataâ€Limited Catfish Fishery with Bayesian Estimation. North American Journal of Fisheries Management, 0, , .	0.5	3
59	Using Otolith Chemistry to Determine Early Life Environments and Movement of the Emerging Bigheaded Carp Population in Pools 16â€“19 of the Upper Mississippi River. North American Journal of Fisheries Management, 2023, 43, 126-140.	0.5	3
60	Environmental factors associated with silver carp presence and relative abundance near an invasion front to inform removal efforts. Hydrobiologia, 2021, 848, 3571.	1.0	2
61	Listening with the invasive fish ear: applications and innovations of otolith chemistry analysis in invasive fish biology. Environmental Biology of Fishes, 2022, 105, 327-343.	0.4	2
62	Improving hydroacoustic sampling in large rivers: Evaluating factors influencing target detectability. River Research and Applications, 2021, 37, 656-664.	0.7	1
63	Assessment of Native Fish Passage through Brandon Road Lock and Dam, Des Plaines River, Illinois, Using Fin Ray Microchemistry. Transactions of the American Fisheries Society, 0, , .	0.6	1
64	Contrasting population characteristics of yellow bass (Morone mississippiensis) in two southern Illinois reservoirs. Journal of Applied Ichthyology, 2011, 27, 46-52.	0.3	0