

# Dennis M Higgs

## 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.

61  
papers

1,376  
citations

19  
h-index

35  
g-index

70  
ext. papers

1,522  
ext. citations

2.4  
avg, IF

4.64  
L-index

#	Paper	IF	Citations
61	Ultrasound detection by clupeiform fishes. <i>Journal of the Acoustical Society of America</i> , <b>2001</b> , 109, 3048-54	5.2	162
60	Quantifying Developmental Progress for Comparative Studies of Larval Fishes. <i>Copeia</i> , <b>1998</b> , 1998, 602	1.1	115
59	Age- and size-related changes in the inner ear and hearing ability of the adult zebrafish ( <i>Danio rerio</i> ). <i>JARO - Journal of the Association for Research in Otolaryngology</i> , <b>2002</b> , 3, 174-84	3.3	115
58	Development of form and function in peripheral auditory structures of the zebrafish ( <i>Danio rerio</i> ). <i>Journal of the Acoustical Society of America</i> , <b>2003</b> , 113, 1145-54	2.2	96
57	Dispersal strategies, secondary range expansion and invasion genetics of the nonindigenous round goby, <i>Neogobius melanostomus</i> , in Great Lakes tributaries. <i>Molecular Ecology</i> , <b>2011</b> , 20, 1845-59	5.7	73
56	Pressure and particle motion detection thresholds in fish: a re-examination of salient auditory cues in teleosts. <i>Journal of Experimental Biology</i> , <b>2012</b> , 215, 3429-35	3	53
55	Audition in sciaenid fishes with different swim bladder-inner ear configurations. <i>Journal of the Acoustical Society of America</i> , <b>2006</b> , 119, 439-43	2.2	49
54	The contribution of the lateral line to hearing in fish. <i>Journal of Experimental Biology</i> , <b>2013</b> , 216, 1484-90	3	47
53	Development of ultrasound detection in American shad ( <i>Alosa sapidissima</i> ). <i>Journal of Experimental Biology</i> , <b>2004</b> , 207, 155-63	3	45
52	Ontogeny, growth and the recruitment process <b>1997</b> , 225-249		44
51	Sciaenid inner ears: a study in diversity. <i>Brain, Behavior and Evolution</i> , <b>2001</b> , 58, 152-62	1.5	43
50	Response of clupeid fish to ultrasound: a review. <i>ICES Journal of Marine Science</i> , <b>2004</b> , 61, 1057-1061	2.7	37
49	Differential acoustic response specificity and directionality in the round goby, <i>Neogobius melanostomus</i> . <i>Animal Behaviour</i> , <b>2008</b> , 75, 1903-1912	2.8	36
48	Swimming performance and invasion potential of the round goby. <i>Environmental Biology of Fishes</i> , <b>2011</b> , 92, 491-502	1.6	32
47	Attraction and localization of round goby ( <i>Neogobius melanostomus</i> ) to conspecific calls. <i>Behaviour</i> , <b>2007</b> , 144, 1-21	1.4	30
46	Evaluating gonadosomatic index as an estimator of reproductive condition in the invasive round goby, <i>Neogobius melanostomus</i> . <i>Journal of Great Lakes Research</i> , <b>2014</b> , 40, 164-171	3	28
45	Integrating techniques: a review of the effects of anthropogenic noise on freshwater fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2018</b> , 75, 1534-1541	2.4	27

44	The effect of stimulus type and background noise on hearing abilities of the round goby <i>Neogobius melanostomus</i> . <i>Journal of Fish Biology</i> , <b>2010</b> , 77, 1488-504	1.9	24
43	Associations between Sensory Development and Ecology in Three Species of Clupeoid Fish. <i>Copeia</i> , <b>1998</b> , 1998, 133	1.1	23
42	Neuronal turnover in the <i>Xenopus laevis</i> olfactory epithelium during metamorphosis. <i>Journal of Comparative Neurology</i> , <b>2001</b> , 433, 124-30	3.4	19
41	Behavioral measure of frequency detection and discrimination in the zebrafish, <i>Danio rerio</i> . <i>Zebrafish</i> , <b>2012</b> , 9, 1-7	2	17
40	Associations between Behavioural Ontogeny and Habitat change in Clupeoid Larvae. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>1998</b> , 78, 1281-1294	1.1	17
39	Song of the burbot: Under-ice acoustic signaling by a freshwater gadoid fish. <i>Journal of Great Lakes Research</i> , <b>2014</b> , 40, 435-440	3	15
38	Sublethal effects of cadmium on auditory structure and function in fathead minnows ( <i>Pimephales promelas</i> ). <i>Fish Physiology and Biochemistry</i> , <b>2015</b> , 41, 357-69	2.7	14
37	Evidence for hearing loss in amblyopsid cavefishes. <i>Biology Letters</i> , <b>2013</b> , 9, 20130104	3.6	14
36	DEVELOPMENT OF THE FISH AUDITORY SYSTEM: HOW DO CHANGES IN AUDITORY STRUCTURE AFFECT FUNCTION?. <i>Bioacoustics</i> , <b>2002</b> , 12, 180-183	1.6	14
35	Reproductive status influences multisensory integration responses in female round gobies, <i>Neogobius melanostomus</i> . <i>Animal Behaviour</i> , <b>2012</b> , 83, 1179-1185	2.8	13
34	Paternal Genetic Effects on Offspring Swimming Performance Vary with Age of Juvenile Chinook Salmon, <i>Oncorhynchus tshawytscha</i> . <i>Evolutionary Biology</i> , <b>2013</b> , 40, 355-365	3	12
33	Ontogenetic shifts in genetic and maternal effects on length and survival in Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Aquaculture</i> , <b>2017</b> , 468, 218-225	4.4	12
32	Condition-dependent auditory processing in the round goby ( <i>Neogobius melanostomus</i> ): links to sex, reproductive condition and female estrogen levels. <i>Journal of Experimental Biology</i> , <b>2013</b> , 216, 1075-1084	3.84	12
31	The effects of water currents on walleye ( <i>Sander vitreus</i> ) eggs and larvae and implications for the early survival of walleye in Lake Erie. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2012</b> , 69, 1959-1967	3.47	11
30	Hearing capabilities and behavioural response of sea lamprey ( <i>Petromyzon marinus</i> ) to low-frequency sounds. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2019</b> , 76, 1541-1548	2.4	10
29	Collective Behavior in Wild Zebrafish. <i>Zebrafish</i> , <b>2020</b> , 17, 243-252	2	9
28	Evidence of sound production by spawning lake trout ( <i>Salvelinus namaycush</i> ) in lakes Huron and Champlain. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2018</b> , 75, 429-438	2.4	9
27	The Potential Overlapping Roles of the Ear and Lateral Line in Driving "Acoustic" Responses. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 877, 255-70	3.6	9

26	Multigenerational outbreeding effects in Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Genetica</i> , <b>2014</b> , 142, 281-93	1.5	9
25	Domestic-wild hybridization to improve aquaculture performance in Chinook salmon. <i>Aquaculture</i> , <b>2019</b> , 511, 734255	4.4	7
24	Sex- and state-dependent attraction of round gobies, <i>Neogobius melanostomus</i> , to conspecific calls. <i>Behaviour</i> , <b>2013</b> , 150, 1509-1530	1.4	7
23	Development of an acoustic trap for potential round goby ( <i>Neogobius melanostomus</i> ) management. <i>Journal of Great Lakes Research</i> , <b>2016</b> , 42, 904-909	3	6
22	Hearing Sensitivity of the Burbot. <i>Transactions of the American Fisheries Society</i> , <b>2013</b> , 142, 1699-1704	1.7	6
21	Passive acoustic monitoring shows no effect of anthropogenic noise on acoustic communication in the invasive round goby ( <i>Neogobius melanostomus</i> ). <i>Freshwater Biology</i> , <b>2020</b> , 65, 66-74	3.1	6
20	Early experience and reproductive morph both affect brain morphology in adult male Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2014</b> , 71, 1430-1436	2.4	5
19	ULTRASOUND DETECTION BY CLUPEIFORM FISHES. <i>Bioacoustics</i> , <b>2002</b> , 12, 188-191	1.6	5
18	Comparative analysis of noise effects on wild and captive freshwater fish behaviour. <i>Animal Behaviour</i> , <b>2020</b> , 168, 129-135	2.8	5
17	Field assessment of behavioural responses of southern stingrays ( <i>Hydrolagus leleup</i> ) to acoustic stimuli. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 191544	3.3	5
16	The effects of stimulus parameters on auditory evoked potentials of <i>Carassius auratus</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>2017</b> , 203, 945-951	2.3	4
15	Assessing disturbance from under-ice noise on fishes in boreal lakes. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 730, 363-6	3.6	4
14	The role of substrate holding in achieving critical swimming speeds: a case study using the invasive round goby ( <i>Neogobius melanostomus</i> ). <i>Environmental Biology of Fishes</i> , <b>2016</b> , 99, 793-799	1.6	3
13	Neutral genetic variation in adult Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) affects brain-to-body trade-off and brain laterality. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 170989	3.3	2
12	Hearing in Cavefishes. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 877, 187-95	3.6	2
11	In-class use of Laptop Computers to Enhance Engagement within an Undergraduate Biology Curriculum: Findings and Lessons Learned. <i>Bioscience Education</i> , <b>2013</b> , 21, 29-41		2
10	Neuroethology and Sensory Ecology of Teleost Ultrasound Detection <b>2004</b> , 173-188		2
9	The role of the brain in metamorphosis of the olfactory epithelium in the frog, <i>Xenopus laevis</i> . <i>Developmental Brain Research</i> , <b>1999</b> , 118, 185-95		2

8	Behavioural response of sea lamprey ( <i>Petromyzon marinus</i> ) to acoustic stimuli in a small stream. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2021</b> , 78, 341-348	2.4	2
7	Behavioural and morphological changes in fish exposed to ecologically relevant boat noises. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2019</b> , 76, 1845-1853	2.4	1
6	Development of form and function in the teleost auditory system. <i>Fisheries Science</i> , <b>2002</b> , 68, 872-875	1.9	1
5	DISTRIBUTION OF UNCONVENTIONAL MYOSINS IN THE ZEBRAFISH EAR. <i>Bioacoustics</i> , <b>2002</b> , 12, 140-142	1.6	1
4	Offshore wind energy development: Research priorities for sound and vibration effects on fishes and aquatic invertebrates.. <i>Journal of the Acoustical Society of America</i> , <b>2022</b> , 151, 205	2.2	1
3	Ecoacoustic monitoring of lake sturgeon ( <i>Acipenser fulvescens</i> ) spawning and its relation to anthropogenic noise. <i>Journal of Applied Ichthyology</i> , <b>2021</b> , 37, 816	0.9	1
2	Towards a new understanding of elasmobranch hearing. <i>Marine Biology</i> , <b>2022</b> , 169, 1	2.5	0
1	Functional review of hearing in zebrafish <b>2020</b> , 73-91		