

# Dennis M Higgs

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,783  
citations

411340

20  
h-index

325983

40  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1531  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 151, 205-215.	0.5	28
2	Towards a new understanding of elasmobranch hearing. <i>Marine Biology</i> , 2022, 169, 1.	0.7	9
3	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> , 2021, 78, 341-348.	0.7	4
4	Ecoacoustic monitoring of lake sturgeon ( <i>Acipenser fulvescens</i> ) spawning and its relation to anthropogenic noise. <i>Journal of Applied Ichthyology</i> , 2021, 37, 816-825.	0.3	4
5	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> , 2020, 65, 66-74.	1.2	15
6	Comparative analysis of noise effects on wild and captive freshwater fish behaviour. <i>Animal Behaviour</i> , 2020, 168, 129-135.	0.8	21
7	Field assessment of behavioural responses of southern stingrays ( <i>Hypanus americanus</i> ) to acoustic stimuli. <i>Royal Society Open Science</i> , 2020, 7, 191544.	1.1	14
8	Collective Behavior in Wild Zebrafish. <i>Zebrafish</i> , 2020, 17, 243-252.	0.5	26
9	Functional review of hearing in zebrafish. , 2020, , 73-91.		0
10	Domestic-wild hybridization to improve aquaculture performance in Chinook salmon. <i>Aquaculture</i> , 2019, 511, 734255.	1.7	11
11	Behavioural and morphological changes in fish exposed to ecologically relevant boat noises. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019, 76, 1845-1853.	0.7	6
12	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> , 2019, 76, 1541-1548.	0.7	13
13	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> , 2018, 75, 429-438.	0.7	15
14	Integrating techniques: a review of the effects of anthropogenic noise on freshwater fish. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 1534-1541.	0.7	51
15	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> , 2017, 203, 945-951.	0.7	5
16	Ontogenetic shifts in genetic and maternal effects on length and survival in Chinook salmon ( ) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 142	1.7	18
17	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> , 2017, 4, 170989.	1.1	2
18	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> , 2016, 99, 793-799.	0.4	6

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19	Development of an acoustic trap for potential round goby ( <i>Neogobius melanostomus</i> ) management. <i>Journal of Great Lakes Research</i> , 2016, 42, 904-909.	0.8	6
20	The Potential Overlapping Roles of the Ear and Lateral Line in Driving "Acoustic" Responses. <i>Advances in Experimental Medicine and Biology</i> , 2016, 877, 255-270.	0.8	15
21	Hearing in Cavefishes. <i>Advances in Experimental Medicine and Biology</i> , 2016, 877, 187-195.	0.8	3
22	Sublethal effects of cadmium on auditory structure and function in fathead minnows ( <i>Pimephales</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.9	20
23	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> , 2014, 71, 1430-1436.	0.7	7
24	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> , 2014, 40, 164-171.	0.8	36
25	Multigenerational outbreeding effects in Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Genetica</i> , 2014, 142, 281-293.	0.5	10
26	Song of the burbot: Under-ice acoustic signaling by a freshwater gadoid fish. <i>Journal of Great Lakes Research</i> , 2014, 40, 435-440.	0.8	18
27	Hearing and Acoustic Communication in Cavefishes. <i>Ambient Science</i> , 2014, 1, 1-6.	0.1	1
28	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> , 2013, 216, 1075-84.	0.8	14
29	The contribution of the lateral line to 'hearing' in fish. <i>Journal of Experimental Biology</i> , 2013, 216, 1484-90.	0.8	57
30	Paternal Genetic Effects on Offspring Swimming Performance Vary with Age of Juvenile Chinook Salmon, <i>Oncorhynchus tshawytscha</i> . <i>Evolutionary Biology</i> , 2013, 40, 355-365.	0.5	12
31	Hearing Sensitivity of the Burbot. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 1699-1704.	0.6	7
32	Sex- and state-dependent attraction of round gobies, <i>Neogobius melanostomus</i> , to conspecific calls. <i>Behaviour</i> , 2013, 150, 1509-1530.	0.4	7
33	Evidence for hearing loss in amblyopsid cavefishes. <i>Biology Letters</i> , 2013, 9, 20130104.	1.0	19
34	In-class use of Laptop Computers to Enhance Engagement within an Undergraduate Biology Curriculum: Findings and Lessons Learned. <i>Bioscience Education</i> , 2013, 21, 29-41.	0.4	2
35	Pressure and particle motion detection thresholds in fish: a re-examination of salient auditory cues in teleosts. <i>Journal of Experimental Biology</i> , 2012, 215, 3429-35.	0.8	64
36	Behavioral Measure of Frequency Detection and Discrimination in the Zebrafish, <i>Danio rerio</i> .	0.5	18

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37	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> , 2012, 69, 1959-1967.	0.7	12
38	Reproductive status influences multisensory integration responses in female round gobies, <i>Neogobius melanostomus</i> . <i>Animal Behaviour</i> , 2012, 83, 1179-1185.	0.8	15
39	Assessing Disturbance From Under-Ice Noise on Fishes in Boreal Lakes. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 363-366.	0.8	5
40	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> , 2011, 20, 1845-1859.	2.0	85
41	Swimming performance and invasion potential of the round goby. <i>Environmental Biology of Fishes</i> , 2011, 92, 491-502.	0.4	40
42	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> , 2010, 77, 1488-1504.	0.7	28
43	Differential acoustic response specificity and directionality in the round goby, <i>Neogobius melanostomus</i> . <i>Animal Behaviour</i> , 2008, 75, 1903-1912.	0.8	38
44	Attraction and localization of round goby ( <i>Neogobius melanostomus</i> ) to conspecific calls. <i>Behaviour</i> , 2007, 144, 1-21.	0.4	38
45	Audition in sciaenid fishes with different swim bladder-inner ear configurations. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 439-443.	0.5	59
46	Development of ultrasound detection in American shad ( <i>Alosa sapidissima</i> ). <i>Journal of Experimental Biology</i> , 2004, 207, 155-163.	0.8	51
47	Response of clupeid fish to ultrasound: a review. <i>ICES Journal of Marine Science</i> , 2004, 61, 1057-1061.	1.2	50
48	Neuroethology and Sensory Ecology of Teleost Ultrasound Detection. , 2004, , 173-188.		3
49	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> , 2003, 113, 1145-1154.	0.5	114
50	DISTRIBUTION OF UNCONVENTIONAL MYOSINS IN THE ZEBRAFISH EAR. <i>Bioacoustics</i> , 2002, 12, 140-142.	0.7	1
51	ULTRASOUND DETECTION BY CLUPEIFORM FISHES. <i>Bioacoustics</i> , 2002, 12, 188-191.	0.7	5
52	DEVELOPMENT OF THE FISH AUDITORY SYSTEM: HOW DO CHANGES IN AUDITORY STRUCTURE AFFECT FUNCTION?. <i>Bioacoustics</i> , 2002, 12, 180-183.	0.7	18
53	Development of form and function in the teleost auditory system. <i>Fisheries Science</i> , 2002, 68, 872-875.	0.7	1
54	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> , 2002, 3, 174-184.	0.9	138

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55	Neuronal turnover in the <i>Xenopus laevis</i> olfactory epithelium during metamorphosis. <i>Journal of Comparative Neurology</i> , 2001, 433, 124-130.	0.9	21
56	Sciaenid Inner Ears: A Study in Diversity. <i>Brain, Behavior and Evolution</i> , 2001, 58, 152-162.	0.9	48
57	Ultrasound detection by clupeiform fishes. <i>Journal of the Acoustical Society of America</i> , 2001, 109, 3048-3054.	0.5	185
58	The role of the brain in metamorphosis of the olfactory epithelium in the frog, <i>Xenopus laevis</i> . <i>Developmental Brain Research</i> , 1999, 118, 185-195.	2.1	2
59	Quantifying Developmental Progress for Comparative Studies of Larval Fishes. <i>Copeia</i> , 1998, 1998, 602.	1.4	144
60	Associations between Behavioural Ontogeny and Habitat change in Clupeoid Larvae. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1998, 78, 1281-1294.	0.4	18
61	Associations between Sensory Development and Ecology in Three Species of Clupeoid Fish. <i>Copeia</i> , 1998, 1998, 133.	1.4	34
62	Ontogeny, growth and the recruitment process. , 1997, , 225-249.		62