

Paulo J Fonseca

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3671222/publications.pdf>

Version: 2024-02-01

78
papers

1,655
citations

304743

22
h-index

361022

35
g-index

84
all docs

84
docs citations

84
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Species differences in courtship acoustic signals among five Lake Malawi cichlid species (<i>Pseudotropheus</i> spp.). <i>Journal of Fish Biology</i> , 2008, 72, 1355-1368.	1.6	95
2	Sound production during courtship and spawning of <i>Oreochromis mossambicus</i> : male-female and male-male interactions. <i>Journal of Fish Biology</i> , 2003, 62, 658-672.	1.6	85
3	Noise can affect acoustic communication and subsequent spawning success in fish. <i>Environmental Pollution</i> , 2018, 237, 814-823.	7.5	76
4	Lusitanian toadfish song reflects male quality. <i>Journal of Experimental Biology</i> , 2010, 213, 2997-3004.	1.7	69
5	Vocal behavior predicts reproductive success in a teleost fish. <i>Behavioral Ecology</i> , 2012, 23, 375-383.	2.2	67
6	How cicadas interpret acoustic signals. <i>Nature</i> , 2000, 405, 297-298.	27.8	57
7	Painted gobies sing their quality out loud: acoustic rather than visual signals advertise male quality and contribute to mating success. <i>Functional Ecology</i> , 2013, 27, 289-298.	3.6	56
8	Courtship and agonistic sounds by the cichlid fish <i>Pseudotropheus zebra</i> . <i>Journal of the Acoustical Society of America</i> , 2008, 124, 1332-1338.	1.1	55
9	Fish Sounds and Mate Choice. <i>Animal Signals and Communication</i> , 2015, , 1-33.	0.8	50
10	Vocal Behavior During Territorial Intrusions in the Lusitanian Toadfish: Boatwhistles Also Function as Territorial "Keep-Out" Signals. <i>Ethology</i> , 2010, 116, 155-165.	1.1	45
11	Courtship Sounds Advertise Species Identity and Male Quality in Sympatric <i>Pomatoschistus</i> spp. Gobies. <i>PLoS ONE</i> , 2013, 8, e64620.	2.5	39
12	Temperature dependence of cicada songs (Homoptera, Cicadoidea). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2002, 187, 971-976.	1.6	37
13	Stereotypy and variation of the mating call in the Lusitanian toadfish, <i>Halobatrachus didactylus</i> . <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 707-716.	1.4	35
14	Noise Affects Multimodal Communication During Courtship in a Marine Fish. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	35
15	Call recognition and individual identification of fish vocalizations based on automatic speech recognition: An example with the Lusitanian toadfish. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 3941-3950.	1.1	34
16	Acoustic Complexity of vocal fish communities: a field and controlled validation. <i>Scientific Reports</i> , 2018, 8, 10559.	3.3	34
17	Noise-induced hearing loss in zebrafish: investigating structural and functional inner ear damage and recovery. <i>Hearing Research</i> , 2020, 391, 107952.	2.0	34
18	Acoustic communication in the Lusitanian toadfish, <i>Halobatrachus didactylus</i> : evidence for an unusual large vocal repertoire. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2008, 88, 1069-1073.	0.8	33

#	ARTICLE	IF	CITATIONS
19	Sound radiation in a cicada: the role of different structures. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1994, 175, 349.	1.6	28
20	Representation of complex vocalizations in the Lusitanian toadfish auditory system: evidence of fine temporal, frequency and amplitude discrimination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 826-834.	2.6	27
21	Auditory saccular sensitivity of the vocal Lusitanian toadfish: low frequency tuning allows acoustic communication throughout the year. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 903-913.	1.6	26
22	Effects of temperature on tuning of the auditory pathway in the cicada <i>Tettigetta josei</i> (Hemiptera). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.7	23
23	Seasonal Variation of Captive Meagre Acoustic Signalling: A Manual and Automatic Recognition Approach. <i>Fishes</i> , 2019, 4, 28.	1.7	23
24	Chorusing Behaviour in the Lusitanian Toadfish: Should I Match My Neighbours' Calling Rate?. <i>Ethology</i> , 2012, 118, 885-895.	1.1	20
25	Reproductive success in the Lusitanian toadfish: Influence of calling activity, male quality and experimental design. <i>Physiology and Behavior</i> , 2016, 155, 17-24.	2.1	20
26	Assessing acoustic communication active space in the Lusitanian toadfish. <i>Journal of Experimental Biology</i> , 2016, 219, 1122-9.	1.7	20
27	Noise-induced reduction in the attack rate of a planktivorous freshwater fish revealed by functional response analysis. <i>Freshwater Biology</i> , 2020, 65, 75-85.	2.4	19
28	Boat noise affects meagre (<i>Argyrosomus regius</i>) hearing and vocal behaviour. <i>Marine Pollution Bulletin</i> , 2021, 172, 112824.	5.0	19
29	Characterization of the acoustic community of vocal fishes in the Azores. <i>PeerJ</i> , 2019, 7, e7772.	2.0	19
30	Boat noise impacts Lusitanian toadfish breeding males and reproductive outcome. <i>Science of the Total Environment</i> , 2022, 830, 154735.	8.0	19
31	Fish sounds and boat noise are prominent soundscape contributors in an urban European estuary. <i>Marine Pollution Bulletin</i> , 2021, 172, 112845.	5.0	18
32	SOUND PRODUCTION IN CICADAS: TIMBAL MUSCLE ACTIVITY DURING CALLING SONG AND PROTEST SONG. <i>Bioacoustics</i> , 1996, 7, 13-31.	1.7	17
33	Mate preference in the painted goby: the influence of visual and acoustic courtship signals. <i>Journal of Experimental Biology</i> , 2013, 216, 3996-4004.	1.7	17
34	Directionality of the tympanal vibrations in a cicada: a biophysical analysis. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1997, 180, 417-427.	1.6	16
35	Patterns of shelter usage and social aggregation by the vocal Lusitanian toadfish. <i>Marine Biology</i> , 2010, 157, 495-503.	1.5	16
36	Effects of temperature on sound production in the painted goby <i>Pomatoschistus pictus</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 473, 1-6.	1.5	15

#	ARTICLE	IF	CITATIONS
37	Acoustic communication in marine shallow waters: testing the acoustic adaptive hypothesis in sand gobies. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	15
38	Directional hearing of a cicada: biophysical aspects. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1993, 172, 767.	1.6	14
39	Vocal differentiation parallels development of auditory saccular sensitivity in a highly soniferous fish. <i>Journal of Experimental Biology</i> , 2015, 218, 2864-2872.	1.7	14
40	Sound production in the Meagre, <i>Argyrosomus regius</i> (Asso, 1801): intraspecific variability associated with size, sex and context. <i>PeerJ</i> , 2020, 8, e8559.	2.0	14
41	African cichlid <i>Pseudotropheus</i> spp. males moan to females during foreplay. <i>Journal of Fish Biology</i> , 2008, 72, 2689-2694.	1.6	13
42	Acoustic barriers as an acoustic deterrent for native potamodromous migratory fish species. <i>Journal of Fish Biology</i> , 2019, 95, 247-255.	1.6	13
43	Boat noise interferes with Lusitanian toadfish acoustic communication. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	13
44	Appraisal of unimodal cues during agonistic interactions in <i>Maylandia zebra</i> . <i>PeerJ</i> , 2017, 5, e3643.	2.0	13
45	Spherical sound radiation patterns of singing grass cicadas, <i>Tympanistalna gastrica</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2000, 186, 163-168.	1.6	12
46	A new concept in underwater high fidelity low frequency sound generation. <i>Review of Scientific Instruments</i> , 2012, 83, 055007.	1.3	12
47	The Role of Agonistic Sounds in Male Nest Defence in the Painted Goby <i>Pomatoschistus pictus</i> . <i>Ethology</i> , 2014, 120, 53-63.	1.1	12
48	How effective are acoustic signals in territorial defence in the Lusitanian toadfish?. <i>Journal of Experimental Biology</i> , 2015, 218, 893-8.	1.7	12
49	Underwater noise recognition of marine vessels passages: two case studies using hidden Markov models. <i>ICES Journal of Marine Science</i> , 2020, 77, 2157-2170.	2.5	12
50	Noise affects acoustic courtship behavior similarly in two species of gobies. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	11
51	Vocal rhythms in nesting Lusitanian toadfish, <i>Halobatrachus didactylus</i> . <i>Ecological Informatics</i> , 2021, 63, 101281.	5.2	11
52	THE EVOLUTION OF CICADA SONGS CONTRASTED WITH THE RELATIONSHIPS INFERRED FROM MITOCHONDRIAL DNA (INSECTA, HEMIPTERA). <i>Bioacoustics</i> , 2008, 18, 17-34.	1.7	10
53	Directional characteristics of the auditory system of cicadas: is the sound producing tymbal an integral part of directional hearing?. <i>Physiological Entomology</i> , 2004, 29, 400-408.	1.5	9
54	Differential investment in acoustic communication during social interactions in two closely-related sand goby species. <i>Behaviour</i> , 2013, 150, 133-152.	0.8	9

#	ARTICLE	IF	CITATIONS
55	Temporal dynamics in diversity patterns of fish sound production in the Condor seamount (Azores, NE) Tj ETQq1 1 0,784314,rgBT /Over	1.4	9
56	Noise-induced hearing loss correlates with inner ear hair cell decrease in larval zebrafish. Journal of Experimental Biology, 2022, 225, .	1.7	9
57	New Stridulatory Structures in a Tiger Beetle (Coleoptera: Carabidae: Cicindelinae): Morphology and Sound Characterization. The Coleopterists Bulletin, 2003, 57, 161-166.	0.2	8
58	Optical micro-tomography allows the study of large toadfish <i>Halobatrachus didactylus</i> embryos and larvae. Mechanisms of Development, 2016, 140, 19-24.	1.7	8
59	Reproductive success in the Lusitanian toadfish <i>Halobatrachus didactylus</i> : Influence of male and nest sizes. Journal of Experimental Marine Biology and Ecology, 2014, 456, 65-69.	1.5	7
60	Sound production mechanism in <i>Pomatoschistus pictus</i> . Journal of Experimental Biology, 2017, 220, 4374-4376.	1.7	7
61	Assessment of fighting ability in the vocal cichlid <i>Metriaclima zebra</i> in face of incongruent audiovisual information. Biology Open, 2019, 8, .	1.2	7
62	The Use of Soundscapes to Monitor Fish Communities: Meaningful Graphical Representations Differ with Acoustic Environment. Acoustics, 2020, 2, 382-398.	1.4	7
63	Agonistic sounds signal male quality in the Lusitanian toadfish. Physiology and Behavior, 2015, 149, 192-198.	2.1	6
64	Computer-manipulated stimuli as a research tool in Mozambique tilapia <i>Oreochromis mossambicus</i> . Acta Ethologica, 2017, 20, 85-94.	0.9	6
65	Trends in cetacean research in the Eastern North Atlantic. Mammal Review, 2021, 51, 436-453.	4.8	6
66	<i>Conus pennaceus</i> : a phylogenetic analysis of the Mozambican molluscan complex. African Journal of Marine Science, 2010, 32, 591-599.	1.1	5
67	Alloparental behavior in the highly vocal Lusitanian toadfish. Journal of Experimental Marine Biology and Ecology, 2012, 434-435, 58-62.	1.5	5
68	Development and characterization of novel microsatellite loci for Lusitanian toadfish, <i>Halobatrachus didactylus</i> . PeerJ, 2015, 3, e731.	2.0	5
69	Boat noise reduces acoustic active space in the lusitanian toadfish <i>Halobatrachus didactylus</i> . Proceedings of Meetings on Acoustics, 2016, , .	0.3	4
70	Hearing Sensitivity of the Painted Goby, <i>Pomatoschistus pictus</i> . Advances in Experimental Medicine and Biology, 2012, 730, 109-111.	1.6	4
71	Vocal repertoire and consistency of call features in the meagre <i>Argyrosomus regius</i> (Asso, 1801). PLoS ONE, 2020, 15, e0241792.	2.5	4
72	Feeding ecology and life-history strategy of nesting males in a fish with long parental care, Lusitanian toadfish (<i>Halobatrachus didactylus</i> , <i>Batrachoididae</i>). Journal of the Marine Biological Association of the United Kingdom, 0, , 1-9.	0.8	3

#	ARTICLE	IF	CITATIONS
73	Behavioral responses of rural and urban greater white-toothed shrews (<i>Crocidura russula</i>) to sound disturbance. <i>Urban Ecosystems</i> , 2021, 24, 851-862.	2.4	3
74	Acoustic Communication in <i>Pomatoschistus</i> spp.: A Comparison Between Closely Related Species. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 113-115.	1.6	2
75	Propagation of Lusitanian Toadfish Sounds in Estuarine Shallow Waters. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 173-175.	1.6	2
76	Voice-mediated interactions in a megaherbivore. <i>Current Biology</i> , 2022, 32, R70-R71.	3.9	2
77	Singing and Dancing Fish: Females Pay More Attention to Males'™ Dance Moves When It Is Noisy. <i>Frontiers for Young Minds</i> , 0, 7, .	0.8	1
78	The effect of boat noise on calling activity in the Lusitanian Toadfish. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	0