

Frank Kirschbaum

List of Publications by Year in descending order

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35
papers

761
citations

567281

15
h-index

526287

27
g-index

38
all docs

38
docs citations

38
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrifying love: electric fish use species-specific discharge for mate recognition. <i>Biology Letters</i> , 2009, 5, 225-228.	2.3	82
2	Reproduction and development of the weakly electric fish, <i>Pollimyrus isidori</i> (Mormyridae, Teleostei) in captivity. <i>Environmental Biology of Fishes</i> , 1987, 20, 11-31.	1.0	60
3	Emergence and development of the electric organ discharge in the mormyrid fish, <i>Pollimyrus isidori</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1977, 122, 251-271.	1.6	57
4	Emergence and development of the electric organ discharge in the mormyrid fish, <i>Pollimyrus isidori</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1978, 127, 45-59.	1.6	55
5	Sex differences in the waveform of the pulse-type electric fish, <i>Pollimyrus isidori</i> (Mormyridae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1982, 145, 399-403.	1.6	44
6	On the development of the adult electric organ in the mormyrid fish <i>Pollimyrus isidori</i> (with special reference to the electric organ). <i>Journal of Physiology (Paris)</i> , 1975, 70, 1-10.	1.5	42
7	Adaptive radiation in the Congo River: An ecological speciation scenario for African weakly electric fish (Teleostei; Mormyridae; <i>Campylomormyrus</i>). <i>Journal of Physiology (Paris)</i> , 2008, 102, 340-346.	2.1	41
8	The larval electric organ of the weakly electric fish <i>Pollimyrus (Marcusenius) isidori</i> (Mormyridae). <i>Journal of Physiology (Paris)</i> , 1975, 70, 1-10.	1.5	39
9	Cross-tissue and cross-species analysis of gene expression in skeletal muscle and electric organ of African weakly-electric fish (Teleostei; Mormyridae). <i>BMC Genomics</i> , 2015, 16, 668.	2.8	38
10	Magic trait Electric Organ Discharge (EOD). <i>Communicative and Integrative Biology</i> , 2009, 2, 329-331.	1.4	36
11	De novo assembly and characterization of the skeletal muscle and electric organ transcriptomes of the African weakly electric fish <i>Campylomormyrus compressirostris</i> (Mormyridae, Teleostei). <i>Molecular Ecology Resources</i> , 2014, 14, 1222-1230.	4.8	31
12	Control of Gonadal Maturation and Regression by Experimental Variation of Environmental Factors in the Mormyrid Fish, <i>Mormyrus rume probosciostris</i> . <i>Environmental Biology of Fishes</i> , 2004, 70, 227-233.	1.0	25
13	Species delimitation and phylogenetic relationships in a genus of African weakly-electric fishes (Osteoglossiformes, Mormyridae, <i>Campylomormyrus</i>). <i>Molecular Phylogenetics and Evolution</i> , 2016, 101, 8-18.	2.7	24
14	Comparative histology of the adult electric organ among four species of the genus <i>Campylomormyrus</i> (Teleostei: Mormyridae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2015, 201, 357-374.	1.6	19
15	Electric organ discharge diversification in mormyrid weakly electric fish is associated with differential expression of voltage-gated ion channel genes. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2017, 203, 183-195.	1.6	19
16	Evidence for Non-neutral Evolution in a Sodium Channel Gene in African Weakly Electric Fish (<i>Campylomormyrus</i> , Mormyridae). <i>Journal of Molecular Evolution</i> , 2016, 83, 61-77.	1.8	18
17	Intragenus (<i>Campylomormyrus</i>) and intergenus hybrids in mormyrid fish: Physiological and histological investigations of the electric organ ontogeny. <i>Journal of Physiology (Paris)</i> , 2016, 110, 281-301.	2.1	14
18	Social interactions between live and artificial weakly electric fish: Electrocommunication and locomotor behavior of <i>Mormyrus rume probosciostris</i> towards a mobile dummy fish. <i>PLoS ONE</i> , 2017, 12, e0184622.	2.5	14

#	ARTICLE	IF	CITATIONS
19	Reproduction and development in some species of the weakly electric genus <i>Campylomormyrus</i> (Mormyridae, Teleostei). <i>Environmental Biology of Fishes</i> , 2017, 100, 49-68.	1.0	12
20	Male-mediated species recognition among African weakly electric fishes. <i>Royal Society Open Science</i> , 2018, 5, 170443.	2.4	11
21	Ontogeny of the Electric Organs in the Electric Eel, <i>Electrophorus electricus</i> : Physiological, Histological, and Fine Structural Investigations. <i>Brain, Behavior and Evolution</i> , 2014, 84, 288-302.	1.7	10
22	Electric pulse characteristics can enable species recognition in African weakly electric fish species. <i>Scientific Reports</i> , 2018, 8, 10799.	3.3	10
23	Electric Organ Discharge Divergence Promotes Ecological Speciation in Sympatrically Occurring African Weakly Electric Fish (<i>Campylomormyrus</i>). , 2010, , 307-321.		10
24	Karyotype description of the African weakly electric fish <i>Campylomormyrus compressirostris</i> in the context of chromosome evolution in Osteoglossiformes. <i>Journal of Physiology (Paris)</i> , 2016, 110, 273-280.	2.1	8
25	Post-hatching brain morphogenesis and cell proliferation in the pulse-type mormyrid <i>Mormyrus rume probosciostris</i> . <i>Journal of Physiology (Paris)</i> , 2016, 110, 245-258.	2.1	6
26	ONTOGENY OF BOTH LARVAL ELECTRIC ORGAN AND ELECTROMOTONEURONES IN POLLIMYRUS ISIDORI (MORMYRIDAE, TELEOSTEI). , 1981, , 129-157.		6
27	Silencing the Spark: CRISPR/Cas9 Genome Editing in Weakly Electric Fish. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
28	Ovary structure and oogenesis in internally and externally fertilizing Osteoglossiformes (Teleostei:Osteoglossomorpha). <i>Acta Zoologica</i> , 2022, 103, 346-364.	0.8	5
29	Disembodying the invisible: electrocommunication and social interactions by passive reception of a moving playback signal. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	4
30	Morphological differentiation in African weakly electric fish (genus <i>Campylomormyrus</i>) relates to substrate preferences. <i>Evolutionary Ecology</i> , 2020, 34, 427-437.	1.2	4
31	Ontogeny of electric organ and electric organ discharge in <i>Campylomormyrus rhynchophorus</i> (Teleostei: Mormyridae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 453-466.	1.6	4
32	Intragenus F1-hybrids of African weakly electric fish (Mormyridae: <i>Campylomormyrus tamandua</i> ^{â™™} , ^{â€‰%} — ^{â€‰%} C.) Tj ETQq0 0 0 rgBT and Behavioral Physiology, 2020, 206, 571-585.	1.6	2
33	Ontogeny of the electric organ discharge and of the papillae of the electrocytes in the weakly electric fish <i>Campylomormyrus rhynchophorus</i> (Teleostei: Mormyridae). <i>Journal of Comparative Neurology</i> , 2021, 529, 1052-1065.	1.6	2
34	Transcriptome-wide single nucleotide polymorphisms related to electric organ discharge differentiation among African weakly electric fish species. <i>PLoS ONE</i> , 2020, 15, e0240812.	2.5	2
35	Intergenous F1-hybrids of African weakly electric fish (Mormyridae: <i>Gnathonemus petersii</i> ^{â™™} , ^{Ã—}) Tj ETQq1 1 0.784314 rgBT /Overloc Neuroethology, Sensory, Neural, and Behavioral Physiology, 2022, 208, 355-371.	1.6	1