William G R Crampton

List of Publications by Year
in descending order

40 papers	1,364 citations	331670 21 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	1152 citing authors

#	Article	IF	Citations
1	Sexual Signal Evolution Outpaces Ecological Divergence during Electric Fish Species Radiation. American Naturalist, 2010, 176, 335-356.	2.1	148
2	Miocene tectonism and the separation of cis- and trans-Andean river basins: Evidence from Neotropical fishes. Journal of South American Earth Sciences, 2006, 21, 14-27.	1.4	123
3	Electroreception, electrogenesis and electric signal evolution. Journal of Fish Biology, 2019, 95, 92-134.	1.6	99
4	Diversity and Phylogeny of Neotropical Electric Fishes (Gymnotiformes). , 2005, , 360-409.		77
5	Phylogeny, biogeography, and electric signal evolution of Neotropical knifefishes of the genus Gymnotus (Osteichthyes: Gymnotidae). Molecular Phylogenetics and Evolution, 2010, 54, 278-290.	2.7	73
6	An Ecological Perspective on Diversity and Distributions. , 2011, , 165-189.		68
7	A comparison of fish diversity and abundance between nutrient-rich and nutrient-poor lakes in the Upper Amazon. Journal of Tropical Ecology, 1997, 13, 175-198.	1.1	67
8	A New Species of Gymnotus (Gymnotiformes, Gymnotidae) from Uruguay: Description of a Model Species in Neurophysiological Research. Copeia, 2009, 2009, 538-544.	1.3	56
9	Nesting and Paternal Care in the Weakly Electric Fish Gymnotus (Gymnotiformes: Gymnotidae) with Descriptions of Larval and Adult Electric Organ Discharges of Two Species. Copeia, 2005, 2005, 48-60.	1.3	47
10	REPRODUCTIVE CHARACTER DISPLACEMENT AND SIGNAL ONTOGENY IN A SYMPATRIC ASSEMBLAGE OF ELECTRIC FISH. Evolution; International Journal of Organic Evolution, 2011, 65, 1650-1666.	2.3	45
11	Unexpected species diversity in electric eels with a description of the strongest living bioelectricity generator. Nature Communications, 2019, 10, 4000.	12.8	45
12	Ecology and life history of an Amazon floodplain cichlid: the discus fish Symphysodon (Perciformes:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	41
13	A new species of electric knifefish, genusCompsaraia(Gymnotiformes: Apteronotidae) from the Amazon River, with extreme sexual dimorphism in snout and jaw length. Systematics and Biodiversity, 2009, 7, 81-92.	1.2	34
14	Biogeochemical water type influences community composition, species richness, and biomass in megadiverse Amazonian fish assemblages. Scientific Reports, 2020, 10, 15349.	3.3	33
15	Species-Specific Diversity of a Fixed Motor Pattern: The Electric Organ Discharge of Gymnotus. PLoS ONE, 2008, 3, e2038.	2.5	32
16	Oxygen consumption in weakly electric Neotropical fishes. Oecologia, 2003, 137, 502-511.	2.0	30
17	Phylogenetic systematics and historical biogeography of the Neotropical electric fishSternopygus(Teleostei: Gymnotiformes). Systematics and Biodiversity, 2005, 3, 407-432.	1.2	30
18	Phylogenetic interrelationships, taxonomy, and reductive evolution in the Neotropical electric fish genus Hypopygus (Teleostei, Ostariophysi, Gymnotiformes). Zoological Journal of the Linnean Society, 2011, 163, 1096-1156.	2.3	24

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19	Revision of the polytypic electric fish Gymnotus carapo (Gymnotiformes, Teleostei), with descriptions of seven subspecies. Zootaxa, 2017, 4318, .	0.5	24
20	A taxonomic revision of the Neotropical electric fish genus Brachyhypopomus (Ostariophysi:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.0	23
21	Electric organ discharges and near-field spatiotemporal patterns of the electromotive force in a sympatric assemblage of Neotropical electric knifefish. Journal of Physiology (Paris), 2016, 110, 164-181.	2.1	23
22	Design and construction of an Electric Fish Finder. Neotropical Ichthyology, 2007, 5, 425-428.	1.0	22
23	Electric organ discharge diversity in the genus Gymnotus: functional groups and electrogenic mechanisms. Journal of Experimental Biology, 2012, 216, 1501-15.	1.7	22
24	Phylogenetic Systematics, Biogeography, and Ecology of the Electric Fish Genus Brachyhypopomus (Ostariophysi: Gymnotiformes). PLoS ONE, 2016, 11, e0161680.	2.5	22
25	Interspecific variation in gill size is correlated to ambient dissolved oxygen in the Amazonian electric fish Brachyhypopomus (Gymnotiformes: Hypopomidae). Environmental Biology of Fishes, 2008, 83, 223-235.	1.0	21
26	Multivariate classification of animal communication signals: A simulation-based comparison of alternative signal processing procedures using electric fishes. Journal of Physiology (Paris), 2008, 102, 304-321.	2.1	21
27	Akawaio penak, a new genus and species of <scp>N</scp>eotropical electric fish (<scp>G</scp>ymnotiformes, <scp>H</scp>ypopomidae) endemic to the upper <scp>M</scp>azaruni <scp>R</scp>iver in the <scp>G</scp>uiana <scp>S</scp>hield. Zoologica Scripta, 2014, 43, 24-33.	1.7	21
28	Steatogenys ocellatus: A New Species of Neotropical Electric Fish (Gymnotiformes: Hypopomidae) from the Lowland Amazon Basin. Copeia, 2004, 2004, 78-91.	1.3	13
29	Sternopygus branco: A New Species of Neotropical Electric Fish (Gymnotiformes: Sternopygidae) from the Lowland Amazon Basin, with Descriptions of Osteology, Ecology, and Electric Organ Discharges. Copeia, 2004, 2004, 245-259.	1.3	12
30	Fish biogeography in the â€œLost Worldâ€•of the Guiana Shield: Phylogeography of the weakly electric knifefish Gymnotus carapo (Teleostei: Gymnotidae). Journal of Biogeography, 2018, 45, 815-825.	3.0	12
31	Reproductive life-history strategies in a species-rich assemblage of Amazonian electric fishes. PLoS ONE, 2019, 14, e0226095.	2.5	10
32	Mitochondrial genomes of the South American electric knifefishes (Order Gymnotiformes). Mitochondrial DNA Part B: Resources, 2016, 1, 401-403.	0.4	8
33	Environmental correlates of circannual breeding periodicity in a multi-species assemblage of Amazonian electric fishes. Environmental Biology of Fishes, 2020, 103, 233-250.	1.0	8
34	Karyotypic Diversity and Evolution in a Sympatric Assemblage of Neotropical Electric Knifefish. Frontiers in Genetics, 2018, 9, 81.	2.3	7
35	Reproductive effort and terminal investment in a multispecies assemblage of <scp>Amazon</scp> electric fish. Ecological Monographs, 2022, 92, .	5.4	7
36	Sexual Size Dimorphism in the Macana Tigrina, Gymnotus javari (Gymnotidae, Gymnotiformes). Copeia, 2019, 107, 305.	1.3	5

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37	To see or not to see: molecular evolution of the rhodopsin visual pigment in neotropical electric fishes. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191182.	2.6	3
38	A new and improved electric fish finder with resources for printed circuit board fabrication. Neotropical Ichthyology, 2019, 17, .	1.0	3
39	A new taxonomist-curated reference library of DNA barcodes for Neotropical electric fish (Teleostei:) Tj ETQq1 1 0.784314 rgBT /Over	2.3	3
40	Two New Species of Gymnotus (Gymnotiformes: Gymnotidae) from Brazil and Historical Biogeography of the Subgenus Lamontianus. Copeia, 2020, 108, 468.	1.3	2