

James S Albert

List of Publications by Year in descending order

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93
papers

3,337
citations

185998

28
h-index

182168

51
g-index

99
all docs

99
docs citations

99
times ranked

3065
citing authors

#	ARTICLE	IF	CITATIONS
1	Scientistsâ€™ warning to humanity on the freshwater biodiversity crisis. <i>Ambio</i> , 2021, 50, 85-94.	2.8	387
2	Genomic basis for the convergent evolution of electric organs. <i>Science</i> , 2014, 344, 1522-1525.	6.0	181
3	Miocene marine incursions and marine/freshwater transitions: Evidence from Neotropical fishes. <i>Journal of South American Earth Sciences</i> , 2006, 21, 5-13.	0.6	165
4	Diversification of Neotropical Freshwater Fishes. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2020, 51, 27-53.	3.8	132
5	The changing course of the Amazon River in the Neogene: center stage for Neotropical diversification. <i>Neotropical Ichthyology</i> , 2018, 16, .	0.5	125
6	Miocene tectonism and the separation of cis- and trans-Andean river basins: Evidence from Neotropical fishes. <i>Journal of South American Earth Sciences</i> , 2006, 21, 14-27.	0.6	123
7	Unexpected fish diversity gradients in the Amazon basin. <i>Science Advances</i> , 2019, 5, eaav8681.	4.7	88
8	Seven new species of the Neotropical electric fish <i>Gymnotus</i> (Teleostei, Gymnotiformes) with a redescription of <i>G. carapo</i> (Linnaeus). <i>Zootaxa</i> , 2003, 287, 1â€“54.	0.2	82
9	Model-based total evidence phylogeny of Neotropical electric knifefishes (Teleostei, Gymnotiformes). <i>Molecular Phylogenetics and Evolution</i> , 2016, 95, 20-33.	1.2	81
10	Major Biogeographic and Phylogenetic Patterns. , 2011, , 20-57.		78
11	Distribution and innervation of lateral line organs in the channel catfish. <i>Journal of Comparative Neurology</i> , 2000, 421, 570-592.	0.9	77
12	Diversity and Phylogeny of Neotropical Electric Fishes (Gymnotiformes). , 2005, , 360-409.		77
13	Phylogenomic Systematics of Ostariophysan Fishes: Ultraconserved Elements Support the Surprising Non-Monophyly of Characiformes. <i>Systematic Biology</i> , 2017, 66, 881-895.	2.7	74
14	Phylogeny, biogeography, and electric signal evolution of Neotropical knifefishes of the genus <i>Gymnotus</i> (Osteichthyes: Gymnotidae). <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 278-290.	1.2	73
15	Telencephalic ascending gustatory system in a cichlid fish, <i>Oreochromis (Tilapia) niloticus</i> . <i>Journal of Comparative Neurology</i> , 1998, 392, 209-226.	0.9	72
16	Phylogenomic reappraisal of the Neotropical catfish family Loricariidae (Teleostei: Siluriformes) using ultraconserved elements. <i>Molecular Phylogenetics and Evolution</i> , 2019, 135, 148-165.	1.2	71
17	Molecular Phylogeny and Biogeographic History of the Armored Neotropical Catfish Subfamilies Hypoptopomatinae, Neoplecostominae and Otothyriinae (Siluriformes: Loricariidae). <i>PLoS ONE</i> , 2014, 9, e105564.	1.1	64
18	Derivation of the freshwater fish fauna of Central America revisited: Myers's hypothesis in the twenty-first century. <i>Cladistics</i> , 2015, 31, 177-188.	1.5	62

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19	Resolving Deep Nodes in an Ancient Radiation of Neotropical Fishes in the Presence of Conflicting Signals from Incomplete Lineage Sorting. <i>Systematic Biology</i> , 2019, 68, 573-593.	2.7	54
20	Biogeographical signature of river capture events in Amazonian lowlands. <i>Journal of Biogeography</i> , 2015, 42, 2349-2362.	1.4	51
21	A new <i>Gymnotus</i> (Teleostei: Gymnotiformes: Gymnotidae) from the Pantanal Matogrossense of Brazil and adjacent drainages: continued documentation of a cryptic fauna. <i>Zootaxa</i> , 2005, 933, 1â€“14.	0.2	46
22	Why the short face? Developmental disintegration of the neurocranium drives convergent evolution in neotropical electric fishes. <i>Ecology and Evolution</i> , 2017, 7, 1783-1801.	0.8	46
23	Fluctuations in Evolutionary Integration Allow for Big Brains and Disparate Faces. <i>Scientific Reports</i> , 2017, 7, 40431.	1.6	40
24	Neogene Assembly of Modern Faunas. , 2011, , 118-136.		40
25	Fossils provide better estimates of ancestral body size than do extant taxa in fishes. <i>Acta Zoologica</i> , 2009, 90, 357-384.	0.6	39
26	<i>Sternopygus xingu</i> , a New Species of Electric Fish from Brazil (Teleostei: Gymnotoidei), with Comments on the Phylogenetic Position of <i>Sternopygus</i> . <i>Copeia</i> , 1996, 1996, 85.	1.4	38
27	Aquatic Biodiversity in the Amazon: Habitat Specialization and Geographic Isolation Promote Species Richness. <i>Animals</i> , 2011, 1, 205-241.	1.0	38
28	TESTING HYPOTHESES OF NEURAL EVOLUTION IN GYMNOTIFORM ELECTRIC FISHES USING PHYLOGENETIC CHARACTER DATA. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1760-1780.	1.1	35
29	A new species of electric knifefish, genus <i>Compsaraia</i> (Gymnotiformes: Apterontidae) from the Amazon River, with extreme sexual dimorphism in snout and jaw length. <i>Systematics and Biodiversity</i> , 2009, 7, 81-92.	0.5	34
30	Introduction to Neotropical Freshwaters. , 2011, , 2-19.		33
31	The evolution of tail length in snakes associated with different gravitational environments. <i>Functional Ecology</i> , 2016, 30, 244-254.	1.7	32
32	Paleogene Radiations. , 2011, , 105-117.		31
33	Oxygen consumption in weakly electric Neotropical fishes. <i>Oecologia</i> , 2003, 137, 502-511.	0.9	30
34	Phylogenetic systematics and historical biogeography of the Neotropical electric fish <i>Sternopygus</i> (Teleostei: Gymnotiformes). <i>Systematics and Biodiversity</i> , 2005, 3, 407-432.	0.5	30
35	Barrier Displacement on a Neutral Landscape: Toward a Theory of Continental Biogeography. <i>Systematic Biology</i> , 2017, 66, syw080.	2.7	30
36	Diversity and Evolution of Body Size in Fishes. <i>Evolutionary Biology</i> , 2012, 39, 324-340.	0.5	29

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37	Unique patterns of transcript and miRNA expression in the South American strong voltage electric eel (<i>Electrophorus electricus</i>). <i>BMC Genomics</i> , 2015, 16, 243.	1.2	29
38	Redescription of <i>Gymnotus coropinae</i> (Gymnotiformes, Gymnotidae), an often misidentified species of Neotropical electric fish, with notes on natural history and electric signals. <i>Zootaxa</i> , 2003, 348, 1.	0.2	27
39	The Amazon-Paraguay Divide. , 2011, , 192-202.		25
40	Coordinated Dispersal and Pre-Isthmian Assembly of the Central American Ichthyofauna. <i>Systematic Biology</i> , 2017, 66, syv064.	2.7	24
41	Revision of the polytypic electric fish <i>Gymnotus carapo</i> (Gymnotiformes, Teleostei), with descriptions of seven subspecies. <i>Zootaxa</i> , 2017, 4318, .	0.2	24
42	<i>Gymnotus ucamara</i> : a new species of Neotropical electric fish from the Peruvian Amazon (Ostariophysi: Gymnotidae), with notes on ecology and electric organ discharges. <i>Zootaxa</i> , 2003, 277, 1â€“18.	0.2	22
43	Phylogenetic relationships of fossil neotropical electric fishes (Osteichthyes: Gymnotiformes) from the upper Miocene of Bolivia. <i>Journal of Vertebrate Paleontology</i> , 2007, 27, 17-25.	0.4	21
44	Why the long face? Static allometry in the sexually dimorphic phenotypes of Neotropical electric fishes. <i>Zoological Journal of the Linnean Society</i> , 2019, 186, 633-649.	1.0	21
45	Terminal morphology of two branches arising from a single stem-axon of pretectal (PSm) neurons in the common carp. <i>Journal of Comparative Neurology</i> , 1997, 378, 379-388.	0.9	20
46	A Target Enrichment Bait Set for Studying Relationships among Ostariophysan Fishes. <i>Copeia</i> , 2020, 108, 47.	1.4	20
47	Systematics and biogeography of Sternarchellini (Gymnotiformes: Aptereronotidae): Diversification of electric fishes in large Amazonian rivers. <i>Neotropical Ichthyology</i> , 2014, 12, 565-584.	0.5	19
48	Shift from slow- to fast-water habitats accelerates lineage and phenotype evolution in a clade of Neotropical sucker-mouth catfishes (Loricariidae: Hypoptopomatinae). <i>PLoS ONE</i> , 2017, 12, e0178240.	1.1	19
49	Late Neogene megariver captures and the Great Amazonian Biotic Interchange. <i>Global and Planetary Change</i> , 2021, 205, 103554.	1.6	19
50	Taxonomic revision of the deep channel electric fish genus <i>Sternarchella</i> (Teleostei: Gymnotiformes:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf s	0.5	18
51	Topographic controls on divide migration, stream capture, and diversification in riverine life. <i>Earth Surface Dynamics</i> , 2020, 8, 893-912.	1.0	18
52	Three New Species of the Neotropical Electric Fish <i>Rhabdolichops</i> (Gymnotiformes: Sternopygidae) from the Central Amazon, with a New Diagnosis of the Genus. <i>Copeia</i> , 2006, 2006, 27-42.	1.4	16
53	A new species of <i>Gymnotus</i> (Gymnotiformes: Gymnotidae) from the Fitzcarrald Arch of southeastern Peru. <i>Neotropical Ichthyology</i> , 2009, 7, 579-585.	0.5	16
54	Redescription of the <i>TuvirÃ£o, <i>Gymnotus inaequilabiatus</i></i> Valenciennes, 1839, Using High-Resolution X-ray Computed Tomography. <i>Copeia</i> , 2014, 2014, 462-472.	1.4	14

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55	Molecular phylogeny of the ghost knifefishes (Gymnotiformes: Apterontidae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 135, 297-307.	1.2	14
56	Testing Hypotheses of Neural Evolution in Gymnotiform Electric Fishes Using Phylogenetic Character Data. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 1760.	1.1	13
57	Paleogeographic influences on freshwater fish distributions in northeastern Brazil. <i>Journal of South American Earth Sciences</i> , 2020, 102, 102692.	0.6	13
58	Species Richness and Cladal Diversity. , 2011, , 88-104.		13
59	<i>Melanosternarchus amaru</i> , a new genus and species of electric ghost knifefish (Gymnotiformes: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.2	12
60	<i>Gymnotus ardilai</i> : a new species of Neotropical electric fish (Ostariophysi: Gymnotidae) from the Rio Magdalena Basin of Colombia. <i>Zootaxa</i> , 2004, 759, 1â€“10.	0.2	11
61	Society for the Study of Systematic Biology symposium: Frontiers in Parametric Biogeography. <i>Systematic Biology</i> , 2017, 66, 125-127.	2.7	11
62	Landscape Evolution as a Diversification Driver in Freshwater Fishes. <i>Frontiers in Ecology and Evolution</i> , 2022, 9, .	1.1	11
63	Revision of Banded Knifefishes of the <i>Gymnotus carapo</i> and <i>G. tigre</i> clades (Gymnotidae) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.2	10
64	Not So Fast. , 2011, , 292-305.		10
65	Data supporting phylogenetic reconstructions of the Neotropical clade Gymnotiformes. <i>Data in Brief</i> , 2016, 7, 23-59.	0.5	9
66	A New Species of Deep-channel Electric Knifefish<i>Compsaraia</i> (Apterontidae, Gymnotiformes) from the Amazon River. <i>Copeia</i> , 2017, 105, 211-219.	1.4	9
67	Assessing extinction risk from geographic distribution data in Neotropical freshwater fishes. <i>Neotropical Ichthyology</i> , 2021, 19, .	0.5	9
68	The case for sequencing the genome of the electric eel <i>Electrophorus electricus</i>. <i>Journal of Fish Biology</i> , 2008, 72, 331-354.	0.7	8
69	A New Species of Rhamphichthys (Gymnotiformes: Rhamphichthyidae) from the Amazon Basin. <i>Copeia</i> , 2015, 103, 34-41.	1.4	8
70	Phylogenetic revision of Gymnotidae (Teleostei: Gymnotiformes), with descriptions of six subgenera. <i>PLoS ONE</i> , 2019, 14, e0224599.	1.1	8
71	Fishes from the Lower Urubamba river near Sepahua, Amazon Basin, Peru. <i>Check List</i> , 2011, 7, 413.	0.1	8
72	Biogeography of curimatid fishes reveals multiple lowlandâ€“upland river transitions and differential diversification in the Neotropics (Teleostei, Curimatidae). <i>Ecology and Evolution</i> , 2021, 11, 15815-15832.	0.8	8

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73	Fishes from the upper YuruÃ¡ river, Amazon basin, Peru. Check List, 2009, 5, 673.	0.1	7
74	Revision of <i>Gymnotus</i> (Gymnotiformes: Gymnotidae) from the Upper Madeira Basin of Bolivia and Peru, with descriptions of two new species. Zootaxa, 2018, 4413, 111-132.	0.2	6
75	Historical biogeography of fishes from coastal basins of MaranhÃ£o State, northeastern Brazil. Neotropical Ichthyology, 2019, 17, .	0.5	6
76	A redescription of deep-channel ghost knifefish, <i>Sternarchogiton preto</i> (Gymnotiformes: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (0.5	6
77	Using community phylogenetics to assess phylogenetic structure in the Fitzcarrald region of Western Amazonia. Neotropical Ichthyology, 2020, 18, .	0.5	6
78	SpeciesEvolver: A Landlab component to evolve life in simulated landscapes. Journal of Open Source Software, 2020, 5, 2066.	2.0	6
79	Sexual Size Dimorphism in the Macana Tigrina, <i>Gymnotus javari</i> (Gymnotidae, Gymnotiformes). Copeia, 2019, 107, 305.	1.4	5
80	Chapter 2: Evolution of Amazonian biodiversity. , 2021, , .		5
81	Molecular Signatures of Neogene Biogeographical Events in the Amazon Fish Fauna. , 2011, , 405-417.		4
82	Patterns in Freshwater Fish Diversity. , 2022, , 243-255.		4
83	Mosaic Evolution of Craniofacial Morphologies in Ghost Electric Fishes (Gymnotiformes: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 622 Td (0.3	4
84	Distribution and innervation of lateral line organs in the channel catfish. , 2000, 421, 570.		3
85	Fishes from the Las Piedras River, Madre de Dios basin, Peruvian Amazon. Check List, 2012, 8, 973.	0.1	3
86	Molecular assessment of <i>Gymnotus</i> spp. (Gymnotiformes: Gymnotidae) fishing used as live baitfish in the TietÃª River, Brazil. Neotropical Ichthyology, 2019, 17, .	0.5	3
87	Is the Medium the Message? Functional Diversity Across Abiotic Gradients in Freshwater Electric Fishes. Integrative and Comparative Biology, 2022, 62, 945-957.	0.9	3
88	Drivers of phylogenetic structure in Amazon freshwater fish assemblages. Journal of Biogeography, 2022, 49, 310-323.	1.4	3
89	Chapter 1: Geology and geodiversity of the Amazon: Three billion years of history. , 2021, , .		3
90	Genetic differentiation through dispersal and isolation in two freshwater fish species from coastal basins of Northeastern Brazil. Neotropical Ichthyology, 2020, 18, .	0.5	2

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91	Two New Species of <i>Gymnotus</i> (Gymnotiformes: Gymnotidae) from Brazil and Historical Biogeography of the Subgenus <i>Lamontianus</i> . <i>Copeia</i> , 2020, 108, 468.	1.4	2
92	Convergence is Only Skin Deep: Craniofacial Evolution in Electric Fishes from South America and Africa (Apteronotidae and Mormyridae). <i>Integrative Organismal Biology</i> , 2022, 4, .	0.9	2
93	Distribution and innervation of lateral line organs in the channel catfish. , 2000, 421, 570.		1