

Joseph T Eastman

List of Publications by Year in descending order

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113
papers

4,136
citations

126907

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133252

59
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114
all docs

114
docs citations

114
times ranked

2066
citing authors

#	ARTICLE	IF	CITATIONS
1	The nature of the diversity of Antarctic fishes. <i>Polar Biology</i> , 2005, 28, 93-107.	1.2	359
2	Ancient climate change, antifreeze, and the evolutionary diversification of Antarctic fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3434-3439.	7.1	291
3	The role of notothenioid fish in the food web of the Ross Sea shelf waters: a review. <i>Polar Biology</i> , 2004, 27, 321-338.	1.2	168
4	Buoyancy Studies of Notothenioid Fishes in McMurdo Sound, Antarctica. <i>Copeia</i> , 1982, 1982, 385.	1.3	146
5	Fishes on the Antarctic continental shelf: evolution of a marine species flock?*. <i>Journal of Fish Biology</i> , 2000, 57, 84-102.	1.6	130
6	Antarctic Fishes. <i>Scientific American</i> , 1986, 255, 106-114.	1.0	127
7	<i>Pleuragramma antarcticum</i> (Pisces, Nototheniidae) as food for other fishes in McMurdo Sound, Antarctica. <i>Polar Biology</i> , 1985, 4, 155-160.	1.2	123
8	Buoyancy adaptations in a swim-bladderless Antarctic fish. <i>Journal of Morphology</i> , 1981, 167, 91-102.	1.2	103
9	Biogeography and adaptation of Notothenioid fish: Hemoglobin function and globin gene evolution. <i>Gene</i> , 2007, 398, 143-155.	2.2	102
10	Paradigm lost, or is top-down forcing no longer significant in the Antarctic marine ecosystem?. <i>Antarctic Science</i> , 2007, 19, 283-290.	0.9	101
11	Antarctic notothenioid fishes as subjects for research in evolutionary biology. <i>Antarctic Science</i> , 2000, 12, 276-287.	0.9	99
12	Lipid sacs as a buoyancy adaptation in an Antarctic fish. <i>Nature</i> , 1978, 271, 352-353.	27.8	96
13	Antarctic silverfish: life strategies of a key species in the high Antarctic ecosystem. <i>Fish and Fisheries</i> , 2012, 13, 241-266.	5.3	80
14	The fish fauna of the Ross Sea, Antarctica. <i>Antarctic Science</i> , 1999, 11, 293-304.	0.9	79
15	Physiology and ecology of notothenioid fishes of the Ross Sea. <i>Journal of the Royal Society of New Zealand</i> , 1981, 11, 329-340.	1.9	75
16	Lipid content and composition of three species of Antarctic fish in relation to buoyancy. <i>Polar Biology</i> , 1984, 3, 77-83.	1.2	72
17	Ocular morphology in antarctic notothenioid fishes. <i>Journal of Morphology</i> , 1988, 196, 283-306.	1.2	71
18	Evolution and Diversification of Antarctic Notothenioid Fishes. <i>American Zoologist</i> , 1991, 31, 93-110.	0.7	69

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19	Adaptations for cryopelagic life in the antarctic notothenioid fish <i>Pagothenia borchgrevinki</i> . <i>Polar Biology</i> , 1985, 4, 45-52.	1.2	57
20	A Comparison of Adaptive Radiations of Antarctic Fish with those of NonAntarctic Fish. , 1998, , 3-26.		57
21	Identification of the notothenioid sister lineage illuminates the biogeographic history of an Antarctic adaptive radiation. <i>BMC Evolutionary Biology</i> , 2015, 15, 109.	3.2	52
22	Bathymetric distributions of notothenioid fishes. <i>Polar Biology</i> , 2017, 40, 2077-2095.	1.2	47
23	The Pharyngeal Bones and Teeth of Catostomid Fishes. <i>American Midland Naturalist</i> , 1977, 97, 68.	0.4	44
24	Measurements of buoyancy for some Antarctic notothenioid fishes from the South Shetland Islands. <i>Polar Biology</i> , 2002, 25, 753-760.	1.2	44
25	Renal conservation of antifreeze peptide in Antarctic eelpout, <i>Rhigophila dearborni</i> . <i>Nature</i> , 1979, 282, 217-218.	27.8	41
26	Diversification of brain morphology in antarctic notothenioid fishes: Basic descriptions and ecological considerations. <i>Journal of Morphology</i> , 1995, 223, 47-83.	1.2	41
27	Decadal trends in abundance, size and condition of Antarctic toothfish in McMurdo Sound, Antarctica, 1972-2011. <i>Fish and Fisheries</i> , 2013, 14, 343-363.	5.3	41
28	Aspects of body size and gonadal histology in the Antarctic toothfish, <i>Dissostichus mawsoni</i> , from McMurdo Sound, Antarctica. <i>Polar Biology</i> , 2000, 23, 189-195.	1.2	39
29	Divergence in skeletal mass and bone morphology in antarctic notothenioid fishes. <i>Journal of Morphology</i> , 2014, 275, 841-861.	1.2	39
30	Phyletic divergence and specialization for pelagic life in the Antarctic nototheniid fish <i>Pleuragramma antarcticum</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 1095-1101.	0.6	38
31	Brain and sense organ anatomy and histology in hemoglobinless Antarctic icefishes (Perciformes: Tj ETQq1 1 0.784314 rgBT/Overlo	1.2	38
32	Renal glomerular evolution in Antarctic notothenioid fishes. <i>Journal of Fish Biology</i> , 1986, 29, 649-662.	1.6	37
33	Anatomy and histology of the brain and sense organs of the antarctic plunderfish <i>dolloidraco longedorsalis</i> (perciformes: notothenioidei: artedidraconidae), with comments on the brain morphology of other artedidraconids and closely related harpagiferids. <i>Journal of Morphology</i> , 2003, 255, 358-377.	1.2	35
34	Ultrastructure of the lipid sac wall in the Antarctic notothenioid fish <i>Pleuragramma antarcticum</i> . <i>Polar Biology</i> , 1989, 9, 333-335.	1.2	33
35	Diversity, relative abundance, new locality records and population structure of Antarctic demersal fishes from the northern Scotia Arc islands and BouvetÅya. <i>Polar Biology</i> , 2008, 31, 1481-1497.	1.2	33
36	Late Eocene gadiform (Teleostei) skull from Seymour Island, Antarctic Peninsula. <i>Antarctic Science</i> , 1991, 3, 87-95.	0.9	32

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37	Morphology of the digestive system of Antarctic nototheniid fishes. <i>Polar Biology</i> , 1997, 17, 1-13.	1.2	31
38	Morphometry of retinal vasculature in Antarctic fishes is dependent upon the level of hemoglobin in circulation. <i>Journal of Experimental Biology</i> , 2007, 210, 815-824.	1.7	30
39	Biology and phenotypic plasticity of the Antarctic nototheniid fish <i>Trematomus newnesi</i> in McMurdo Sound. <i>Antarctic Science</i> , 1997, 9, 27-35.	0.9	29
40	Diversification of brain and sense organ morphology in antarctic dragonfishes (Perciformes: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.2	29
41	Lipid storage systems and the biology of two neutrally buoyant Antarctic nototheniid fishes. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1988, 90, 529-537.	0.2	28
42	A New Species and a Molecular Phylogenetic Analysis of the Antarctic Fish Genus <i>Pogonophryne</i> (Notothenioidae: Artedidraconidae). <i>Copeia</i> , 2009, 2009, 705-713.	1.3	27
43	Checklist of the species of nototheniid fishes. <i>Antarctic Science</i> , 2021, 33, 273-280.	0.9	27
44	Morphology of the brain and sense organs in the snailfish <i>Paraliparis devriesi</i> : Neural convergence and sensory compensation on the Antarctic shelf. <i>Journal of Morphology</i> , 1998, 237, 213-236.	1.2	25
45	Mental barbel variation in <i>Pogonophryne scotti</i> Regan (Pisces: Perciformes: Artedidraconidae). <i>Antarctic Science</i> , 2001, 13, 363-370.	0.9	25
46	Photographic survey of benthos provides insights into the Antarctic fish fauna from the Marguerite Bay slope and the Amundsen Sea. <i>Antarctic Science</i> , 2013, 25, 31-43.	0.9	25
47	New Species of <i>Pogonophryne</i> (Pisces, Artedidraconidae) from the Ross Sea, Antarctica. <i>Copeia</i> , 1998, 1998, 1005.	1.3	24
48	Nervous and sensory system correlates of an epibenthic evolutionary radiation in Antarctic nototheniid fishes, genus <i>Trematomus</i> (Perciformes; Nototheniidae). <i>Journal of Morphology</i> , 2000, 245, 67-79.	1.2	24
49	Brain and sense organ anatomy and histology of the Falkland Islands mullet, <i>Eleginops maclovinus</i> (Eleginopidae), the sister group of the Antarctic nototheniid fishes (Perciformes: Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	24
50	The pharyngeal bone musculature of the carp, <i>Cyprinus carpio</i> . <i>Journal of Morphology</i> , 1971, 134, 131-140.	1.2	23
51	Fishes of the genus <i>Artedidraco</i> (Pisces, Artedidraconidae) from the Ross Sea, Antarctica, with the description of a new species and a colour morph. <i>Antarctic Science</i> , 1999, 11, 13-22.	0.9	23
52	Hepatic ultrastructural specialization in Antarctic fishes. <i>Cell and Tissue Research</i> , 1981, 219, 489-96.	2.9	22
53	Buoyancy studies and microscopy of skin and subdermal extracellular matrix of the antarctic snailfish, <i>Paraliparis devriesi</i> . <i>Journal of Morphology</i> , 1994, 220, 85-101.	1.2	22
54	Biological implications of low condition factor specimens of the Antarctic toothfish, <i>Dissostichus mawsoni</i> , from the Ross Sea. <i>Antarctic Science</i> , 2008, 20, 537-551.	0.9	22

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55	Divergence of brain and retinal anatomy and histology in pelagic antarctic notothenioid fishes of the sister taxa <i>Dissostichus</i> and <i>Pleuragramma</i> . <i>Journal of Morphology</i> , 2011, 272, 419-441.	1.2	22
56	Spatial distribution and habitat preferences of demersal fish assemblages in the southeastern Weddell Sea (Southern Ocean). <i>Polar Biology</i> , 2019, 42, 1025-1040.	1.2	22
57	Parental care and reproductive strategies in notothenioid fishes. <i>Fish and Fisheries</i> , 2021, 22, 356-376.	5.3	21
58	Progressive Changes in the Ventral Aorta of the Carp, <i>Cyprinus carpio</i> . <i>Journal of the Fisheries Research Board of Canada</i> , 1969, 26, 2425-2430.	0.9	20
59	Periventricular morphology in the diencephalon of antarctic notothenioid teleosts. <i>Journal of Comparative Neurology</i> , 1995, 361, 95-107.	1.6	20
60	Aspects of the biology of the icefish <i>Dacodraco hunteri</i> (Notothenioidei, Channichthyidae) in the Ross Sea, Antarctica. <i>Polar Biology</i> , 1999, 21, 194-196.	1.2	20
61	Necessary elements of precautionary management: implications for the Antarctic toothfish. <i>Fish and Fisheries</i> , 2016, 17, 1152-1174.	5.3	20
62	The buoyancy-based biotope axis of the evolutionary radiation of Antarctic cryonotothenioid fishes. <i>Polar Biology</i> , 2020, 43, 1217-1231.	1.2	20
63	Adaptive radiation at a low taxonomic level: Divergence in buoyancy of the ecologically similar Antarctic fish <i>Notothenia coriiceps</i> and <i>N. rossii</i> . <i>Marine Ecology - Progress Series</i> , 2011, 438, 195-206.	1.9	20
64	Brain and sense organ anatomy and histology of two species of phylogenetically basal non-Antarctic thornfishes of the Antarctic suborder Notothenioidei (Perciformes: Bovichtidae). <i>Journal of Morphology</i> , 2007, 268, 485-503.	1.2	19
65	Geographic intraspecific variation in buoyancy within Antarctic notothenioid fishes. <i>Antarctic Science</i> , 2009, 21, 123-129.	0.9	19
66	Anatomy and histology of the brain and sense organs of the Antarctic eel cod <i>Muraenolepis microps</i> (Gadiformes; Muraenolepididae). <i>Journal of Morphology</i> , 2001, 250, 34-50.	1.2	18
67	How overfishing a large piscine mesopredator explains growth in Ross Sea penguin populations: A framework to better understand impacts of a controversial fishery. <i>Ecological Modelling</i> , 2017, 349, 69-75.	2.5	18
68	An analysis of maximum body size and designation of size categories for notothenioid fishes. <i>Polar Biology</i> , 2019, 42, 1131-1145.	1.2	18
69	The Caudal Skeletons of Catostomid Fishes. <i>American Midland Naturalist</i> , 1980, 103, 133.	0.4	17
70	Skin structure and vascularization in the Antarctic notothenioid fish <i>Gymnodraco acuticeps</i> . <i>Journal of Morphology</i> , 1991, 208, 347-365.	1.2	17
71	New species of Pogonophryne (Pisces, Artedidraconidae) from the Bellingshausen Sea, Antarctica. <i>Polar Biology</i> , 2008, 31, 1175-1179.	1.2	17
72	Mental barbel and meristic variation in the Antarctic notothenioid fish <i>Dolloidraco longedorsalis</i> (Perciformes: Artedidraconidae) from the Ross Sea. <i>Polar Biology</i> , 2001, 24, 729-734.	1.2	16

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73	ACTH activity in the pituitary and brain of the least brook lamprey, <i>Lampetra aepyptera</i> . <i>General and Comparative Endocrinology</i> , 1982, 47, 346-350.	1.8	15
74	Fishing for Data in the Ross Sea. <i>Science</i> , 2010, 330, 1316-1316.	12.6	15
75	Aspects of the morphology of phylogenetically basal bovichtid fishes of the Antarctic suborder Notothenioidei (Perciformes). <i>Polar Biology</i> , 2006, 29, 754-763.	1.2	14
76	Sexual dimorphism and mental barbel structure in the South Georgia plunderfish <i>Artedidraco mirus</i> (Perciformes: Notothenioidei: Artedidraconidae). <i>Polar Biology</i> , 2006, 30, 45-52.	1.2	14
77	Gametogenesis in the dragonfishes <i>Akarotaxis nudiceps</i> and <i>Bathyraco marri</i> (Pisces, Notothenioidei: Tj ETQq1 1 0,784314,rgBT /Over	0.9	14
78	Renal corpuscle development in boreal fishes with and without antifreezes. <i>Fish Physiology and Biochemistry</i> , 1987, 4, 89-100.	2.3	13
79	Buoyancy studies of three morphs of the Antarctic fish <i>Trematomus newnesi</i> (Nototheniidae) from the South Shetland Islands. <i>Polar Biology</i> , 2010, 33, 823-831.	1.2	13
80	Underwater video observation of the Antarctic toothfish <i>Dissostichus mawsoni</i> (Perciformes: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.2	12
81	Further evidence that Antarctic toothfish are important to Weddell seals. <i>Antarctic Science</i> , 2021, 33, 17-29.	0.9	12
82	The reproductive biology of two epibenthic species of Antarctic nototheniid fish of the genus <i>Trematomus</i> . <i>Antarctic Science</i> , 2008, 20, 355-364.	0.9	11
83	Protein content and freezing avoidance properties of the subdermal extracellular matrix and serum of the Antarctic snailfish, <i>Paraliparis devriesi</i> . <i>Fish Physiology and Biochemistry</i> , 1995, 14, 71-80.	2.3	10
84	Feeding biomechanics of five demersal Antarctic fishes. <i>Polar Biology</i> , 2014, 37, 1835-1848.	1.2	10
85	Zonation of demersal fishes off Anvers Island, western Antarctic Peninsula. <i>Antarctic Science</i> , 2016, 28, 44-50.	0.9	10
86	Unnatural Selection of Antarctic Toothfish in the Ross Sea, <i>Antarctica</i> , 2012, , 53-75.		9
87	Aspects of the Biology and Population Genetics of the Antarctic Nototheniid Fish <i>Trematomus nicolai</i> . <i>Copeia</i> , 2009, 2009, 320-327.	1.3	8
88	Paleocene ichthyofauna and paleoenvironmental setting, Imo Formation, southeastern Nigeria. <i>Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen</i> , 2011, 260, 289-296.	0.4	8
89	Two new species of snailfish genus <i>Paraliparis</i> (Pisces: Liparidae) from the Ross Sea, Antarctica. <i>Journal of Fish Biology</i> , 2001, 59, 92-104.	1.6	7
90	Feeding habits of <i>Bathyraco marri</i> (Pisces, Notothenioidei, Bathydraconidae) from the Ross Sea, Antarctica. <i>Polar Biology</i> , 2007, 30, 541-547.	1.2	7

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91	Some reproductive traits of the Tristan klipfish, <i>Bovichtus diacanthus</i> (Carmichael 1819) (Notothenioidei: Bovichtidae) from Tristan da Cunha (South Atlantic). <i>Polar Biology</i> , 2010, 33, 337-346.	1.2	7
92	Biology of the Antarctic dragonfish <i>Vomeridens infuscipinnis</i> (Notothenioidei: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (Bath	0.9	7
93	Reduced seasonality in elemental CHN composition of Antarctic marine benthic predators and scavengers. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 446, 328-333.	1.5	7
94	Phenotypic plasticity in the Antarctic nototheniid fish <i>Trematomus newnesi</i> : a guide to the identification of typical, large mouth and intermediate morphs. <i>Polar Biology</i> , 2012, 35, 1047-1056.	1.2	6
95	Comments on "The Antarctic toothfish (<i>Dissostichus mawsoni</i>): biology, ecology, and life history in the Ross Sea region," by S. Hanchet et al.. <i>Hydrobiologia</i> , 2016, 771, 1-7.	2.0	6
96	Vertebral variation in notothenioid fishes from McMurdo Sound, Antarctica. <i>Polar Biology</i> , 1983, 1, 217-220.	1.2	5
97	Brain and sensory organ morphology in Antarctic eelpouts (perciformes: Zoarcidae: Lycodinae). <i>Journal of Morphology</i> , 2006, 267, 115-127.	1.2	5
98	Nervous and Sensory Systems in Sub-Arctic and Antarctic Snailfishes of the Genus <i>Paraliparis</i> (Teleostei: Scorpaeniformes: Liparidae). <i>Copeia</i> , 2009, 2009, 732-739.	1.3	5
99	Short Note: Antarctic toothfish heads found along tide cracks of the McMurdo Ice Shelf. <i>Antarctic Science</i> , 2011, 23, 469-470.	0.9	5
100	Definitive specimens of Merlucciidae (Gadiformes) from the Eocene James Ross Basin of Isla Marambio (Seymour Island), Antarctic Peninsula. <i>Antarctic Science</i> , 2012, 24, 467-472.	0.9	5
101	Degree of herbivory and intestinal morphology in nine notothenioid fishes from the western Antarctic Peninsula. <i>Polar Biology</i> , 2020, 43, 535-544.	1.2	5
102	First data on age and sexual maturity of the Tristan klipfish, <i>Bovichtus diacanthus</i> (Bovichtidae) from Tristan da Cunha, South Atlantic. <i>Antarctic Science</i> , 2012, 24, 115-120.	0.9	4
103	Changed prevalence, not absence, explains toothfish status in McMurdo Sound. <i>Antarctic Science</i> , 2017, 29, 165-171.	0.9	4
104	Two new species of snailfish genus <i>Paraliparis</i> (Pisces: Liparidae) from the Ross Sea, Antarctica. <i>Journal of Fish Biology</i> , 2001, 59, 92-104.	1.6	4
105	Gametogenesis in the Antarctic plunderfishes <i>Artedidraco Innnbergi</i> and <i>Artedidraco skottsbergi</i> (Pisces: Artedidraconidae) from the Ross Sea. <i>Antarctic Science</i> , 2006, 18, 183-190.	0.9	3
106	Aspects of Gonadal Morphology in the South Georgian Plunderfish <i>Artedidraco Mirus</i> (Perciformes: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	3
107	Neuromorphological disparity in deep-living sister species of the Antarctic fish genus <i>Trematomus</i> . <i>Polar Biology</i> , 2021, 44, 315-334.	1.2	3
108	Divergence in skeletal mass and bone morphology in antarctic notothenioid fishes. <i>Journal of Morphology</i> , 2014, 275, NA-NA.	1.2	2

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109	Decomplicating and identifying species in the radiation of the Antarctic fish genus Pogonophryne (Artedidraconidae). Polar Biology, 0, , 1.	1.2	2
110	Spatial patterns and behaviour of notothenioid fishes off the northern Antarctic Peninsula. Polar Biology, 0, , .	1.2	1
111	Arius felis: Pelvic Fin Modification in Female. Transactions of the American Microscopical Society, 1970, 89, 427.	0.3	0
112	Preparation of enriched populations of corticotrophs from goldfish rostral pars distalis. General and Comparative Endocrinology, 1983, 49, 81-89.	1.8	0
113	Factors involved in prey resource partitioning in the genus Artedidraco (Notothenioidei,) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50 5	2.0	0