

Ian D Mccarthy

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,137
citations

201674

27
h-index

233421

45
g-index

66
all docs

66
docs citations

66
times ranked

1898
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of feeding hierarchy on individual variability in daily feeding of rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum). <i>Journal of Fish Biology</i> , 1992, 41, 257-263.	1.6	302
2	Variation in individual food consumption rates of fish and its implications for the study of fish nutrition and physiology. <i>Proceedings of the Nutrition Society</i> , 1993, 52, 427-436.	1.0	105
3	Rates of growth and protein synthesis correlated with nucleic acid content in fry of rainbow trout, <i>Oncorhynchus mykiss</i> : effects of age and temperature. <i>Journal of Fish Biology</i> , 1993, 43, 245-263.	1.6	103
4	Temporal repeatability of relative standard metabolic rate in juvenile Atlantic salmon and its relation to life history variation. <i>Journal of Fish Biology</i> , 2000, 57, 224-238.	1.6	102
5	Identifying migratory <i>Salmo trutta</i> using carbon and nitrogen stable isotope ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1325-1331.	1.5	90
6	Food consumption, feeding behaviour, and growth of triploid and diploid Atlantic salmon, <i>Salmo salar</i> L., parr. <i>Canadian Journal of Zoology</i> , 1994, 72, 609-617.	1.0	80
7	Feeding Rank and Brain Serotonergic Activity in Rainbow Trout <i>Oncorhynchus Mykiss</i> . <i>Journal of Experimental Biology</i> , 1993, 179, 197-211.	1.7	78
8	Competitive ability is related to metabolic asymmetry in juvenile rainbow trout. <i>Journal of Fish Biology</i> , 2001, 59, 1002-1014.	1.6	73
9	The effect of ration level and social rank on the development of fin damage in juvenile rainbow trout. <i>Journal of Fish Biology</i> , 1998, 52, 756-770.	1.6	72
10	Maternal body burdens of methylmercury impair survival skills of offspring in Atlantic croaker (<i>Micropogonias undulatus</i>). <i>Aquatic Toxicology</i> , 2006, 80, 329-337.	4.0	69
11	The relationships between protein intake and protein accretion, synthesis, and retention efficiency for individual grass carp, <i>Ctenopharyngodon idella</i> (Valenciennes). <i>Canadian Journal of Zoology</i> , 1993, 71, 392-400.	1.0	67
12	Feeding rank and dominance in <i>Tilapia rendalli</i> under defensible and indefensible patterns of food distribution. <i>Journal of Fish Biology</i> , 1999, 55, 854-867.	1.6	57
13	Nursery grounds, movement patterns and growth rates of dusky sharks, <i>Carcharhinus obscurus</i> : a long-term tag and release study in South African waters. <i>Marine and Freshwater Research</i> , 2009, 60, 571.	1.3	54
14	Species, sex, size and male maturity composition of previously unreported elasmobranch landings in Kuwait, Qatar and Abu Dhabi Emirate. <i>Journal of Fish Biology</i> , 2012, 80, 1619-1642.	1.6	53
15	Life history strategies and protein metabolism in overwintering juvenile Atlantic salmon: growth is enhanced in early migrants through lower protein turnover. <i>Journal of Fish Biology</i> , 2000, 56, 637-647.	1.6	51
16	Phylogenetic and ecological factors influencing the number and distribution of electroreceptors in elasmobranchs. <i>Journal of Fish Biology</i> , 2012, 80, 2055-2088.	1.6	51
17	The effects of temperature on growth rate and growth efficiency of juvenile common wolffish. <i>Aquaculture International</i> , 1998, 6, 207-218.	2.2	48
18	Effects of water temperature on protein synthesis and protein growth in juvenile Atlantic wolffish (<i>Anarhichas lupus</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 231-241.	1.4	43

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19	Effect of feeding on the tissue free amino acid concentrations in rainbow trout (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	42
20	The performance of all-female diploid and triploid Atlantic salmon smolts on transfer together to sea water. <i>Journal of Fish Biology</i> , 1996, 48, 545-548.	1.6	39
21	Growth and protein metabolism in red drum (<i>Sciaenops ocellatus</i>) larvae exposed to environmental levels of atrazine and malathion. <i>Aquatic Toxicology</i> , 2008, 88, 220-229.	4.0	39
22	The status of Arctic charr <i>Salvelinus alpinus</i> in Britain and Ireland. <i>Ecology of Freshwater Fish</i> , 2007, 16, 6-19.	1.4	37
23	Differences in mitochondrial efficiency explain individual variation in growth performance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191466.	2.6	37
24	Variation in the food intake of grass carp, <i>Ctenopharyngodon idella</i> (Val.), fed singly or in groups. <i>Aquatic Living Resources</i> , 1992, 5, 225-228.	1.2	35
25	Does Breeding Site Fidelity Drive Phenotypic and Genetic Sub-Structuring of a Population of Arctic Charr?. <i>Evolutionary Ecology</i> , 2006, 20, 11-26.	1.2	35
26	A stable isotope analysis of trophic polymorphism among Arctic charr from Loch Ericht, Scotland. <i>Journal of Fish Biology</i> , 2004, 65, 1435-1440.	1.6	30
27	Comparison of the performance of scale and otolith microchemistry as fisheries research tools in a small upland catchment. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 823-833.	1.4	29
28	The influence of life-history strategy on lipid metabolism in overwintering juvenile Atlantic salmon. <i>Journal of Fish Biology</i> , 2002, 60, 674-686.	1.6	28
29	Evaluating ultrasonography as a non-lethal method for the assessment of maturity in oviparous elasmobranchs. <i>Marine Biology</i> , 2010, 157, 2613-2624.	1.5	28
30	Integration of physiology, behaviour and life history traits: personality and pace of life in a marine gastropod. <i>Animal Behaviour</i> , 2020, 163, 155-162.	1.9	26
31	The influence of environmental gradients on individual behaviour: Individual plasticity is consistent across risk and temperature gradients. <i>Journal of Animal Ecology</i> , 2019, 88, 511-520.	2.8	24
32	Biology of the kingsoldier bream (<i>Argyrops spinifer</i> , Forssk 1775; Sparidae), from the Arabian Sea, Oman. <i>Journal of Applied Ichthyology</i> , 2009, 25, 559-564.	0.7	17
33	Post-prandial changes in protein synthesis in red drum (<i>Sciaenops ocellatus</i>) larvae. <i>Journal of Experimental Biology</i> , 2011, 214, 1821-1828.	1.7	17
34	The application of radiography to the study of fish nutrition. <i>Journal of Applied Ichthyology</i> , 1995, 11, 231-239.	0.7	16
35	Allozyme heterozygosity, date of first feeding and life history strategy in Atlantic salmon. <i>Journal of Fish Biology</i> , 2003, 62, 341-357.	1.6	15
36	Population biology of the red gurnard (<i>Aspitrigla cuculus</i> L.; Triglidae) in the inshore waters of Eastern Anglesey and Northwest Wales. <i>Journal of Applied Ichthyology</i> , 2010, 26, 504-512.	0.7	12

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37	Age, growth and maturity of tub gurnard (<i>Chelidonichthys lucerna</i> Linnaeus 1758; Triglidae) in the inshore coastal waters of Northwest Wales, UK. <i>Journal of Applied Ichthyology</i> , 2018, 34, 581-589.	0.7	11
38	Vulnerability of juvenile hermit crabs to reduced seawater pH and shading. <i>Marine Environmental Research</i> , 2018, 142, 130-140.	2.5	10
39	Occurrence of legacy and emerging organic pollutants in whitemouth croakers from Southeastern Brazil. <i>Science of the Total Environment</i> , 2019, 682, 719-728.	8.0	10
40	Repeatability of escape response performance in the queen scallop (<i>Aequipecten opercularis</i>). <i>Journal of Experimental Biology</i> , 2013, 216, 3264-72.	1.7	9
41	Risk-taking and risk-avoiding behaviors by hermit crabs across multiple environmental contexts. <i>Journal of Experimental Marine Biology and Ecology</i> , 2018, 506, 25-29.	1.5	9
42	The Welsh Torgoch (<i>Salvelinus alpinus</i>): a short review of its distribution and ecology. <i>Ecology of Freshwater Fish</i> , 2007, 16, 34-40.	1.4	7
43	Tracking the fine scale movements of fish using autonomous maritime robotics: A systematic state of the art review. <i>Ocean Engineering</i> , 2021, 229, 108650.	4.3	7
44	Development of 30 microsatellite markers for dab (<i>Limanda limanda</i> L.): a key UK marine biomonitoring species. <i>Molecular Ecology Resources</i> , 2009, 9, 951-955.	4.8	6
45	Use of multielement stable isotope ratios to investigate ontogenetic movements of <i>Micropogonias furnieri</i> in a tropical Brazilian estuary. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 977-986.	1.4	6
46	Biogeochemical tags in fish: predicting spatial variations in strontium and manganese in <i>Salmo trutta</i> scales using stream water geochemistry. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 422-433.	1.4	5
47	Prey vulnerability and predation pressure shape predator-induced changes in O ₂ consumption and antipredator behaviour. <i>Animal Behaviour</i> , 2020, 167, 13-22.	1.9	5
48	Rates of growth and protein synthesis correlated with nucleic acid content in fry of rainbow trout, <i>Oncorhynchus mykiss</i> : effects of age and temperature. <i>Journal of Fish Biology</i> , 1993, 43, 245-263.	1.6	5
49	Fishing pattern and interactions of fleet components in the Argyrops spinifer (Actinopterygii: Perciformes: Sparidae) fisheries of the Arabian Sea, Oman. <i>Acta Ichthyologica Et Piscatoria</i> , 2011, 41, 55-62.	0.7	5
50	Determining the optimum temperature and salinity for larval culture, and describing a culture protocol for the conservation aquaculture for European smelt <i>Osmerus eperlanus</i> (L.). <i>Journal of Applied Ichthyology</i> , 2020, 36, 113-120.	0.7	4
51	Identifying migratory <i>Salmo trutta</i> using carbon and nitrogen stable isotope ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1325-1331.	1.5	4
52	Individuals Maintain Similar Rates of Protein Synthesis over Time on the Same Plane of Nutrition under Controlled Environmental Conditions. <i>PLoS ONE</i> , 2016, 11, e0152239.	2.5	4
53	Validation of the flooding dose technique to determine fractional rates of protein synthesis in a model bivalve species, the blue mussel (<i>Mytilus edulis</i> L.). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 191, 166-173.	1.8	3
54	Population biology of grey gurnard (<i>Eutrigla gurnardus</i> (L.); Triglidae) in the coastal waters of Northwest Wales. <i>Journal of Applied Ichthyology</i> , 2018, 34, 896-905.	0.7	3

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55	The performance of all-female diploid and triploid Atlantic salmon smolts on transfer together to sea water. <i>Journal of Fish Biology</i> , 1996, 48, 545-548.	1.6	3
56	Temporal repeatability of relative standard metabolic rate in juvenile Atlantic salmon and its relation to life history variation. <i>Journal of Fish Biology</i> , 2000, 57, 224-238.	1.6	3
57	Competitive ability is related to metabolic asymmetry in juvenile rainbow trout. <i>Journal of Fish Biology</i> , 2001, 59, 1002-1014.	1.6	3
58	The growth of a Welsh strain of Arctic charr <i>Salvelinus alpinus</i> (L.) and investigations into its aquaculture potential. <i>Journal of Fish Biology</i> , 2008, 72, 2700-2706.	1.6	2
59	Isolation and characterization of 28 new microsatellite markers for European flounder (<i>Platichthys flesus</i> L.). <i>Molecular Ecology Resources</i> , 2009, 9, 1065-1068.	4.8	2
60	Feeding rank and dominance in <i>Tilapia rendalli</i> under defensible and indefensible patterns of food distribution. <i>Journal of Fish Biology</i> , 1999, 55, 854-867.	1.6	2
61	Isolation and characterization of 12 dinucleotide microsatellite loci in the anadromous fish <i>Osmerus eperlanus</i> (L.). <i>Molecular Ecology Resources</i> , 2008, 8, 581-583.	4.8	1
62	Assessing the reproducibility of fractional rates of protein synthesis in muscle tissue measured using the flooding dose technique. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 197, 9-15.	1.8	1
63	Age and growth validation of the small spotted grunt <i>Pomadasys commersonnii</i> (Lacepède, 1801) from the northwestern coast of the Arabian Sea of Oman. <i>Journal of Applied Ichthyology</i> , 2018, 34, 834-841.	0.7	1
64	Detection and quantification of differences in catch rates among research vessel gears and commercial vessels. <i>Fisheries Research</i> , 2022, 254, 106371.	1.7	1