Michael L Brown

List of Publications by Year
in descending order

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Version: 2024-02-01

49 papers	913 citations	567281 15 h-index	477307 29 g-index
49 all docs	49 docs citations	49 times ranked	1009 citing authors

#	Article	IF	Citations
1	Effects of Common Carp on Aquatic Ecosystems 80 Years after â€œCarp as a Dominantâ€: Ecological Insights for Fisheries Management. Reviews in Fisheries Science, 2009, 17, 524-537.	2.1	244
2	Genome-wide Scan for Seed Composition Provides Insights into Soybean Quality Improvement and the Impacts of Domestication and Breeding. Molecular Plant, 2018, 11, 460-472.	8.3	111
3	Twin Screw Extrusion of DDGSâ€Based Aquaculture Feeds¹. Journal of the World Aquaculture Society, 2010, 41, 1-15.	2.4	48
4	Simulated Population Responses of Common Carp to Commercial Exploitation. North American Journal of Fisheries Management, 2011, 31, 269-279.	1.0	45
5	Gut histology, immunology and the intestinal microbiota of rainbow trout, Oncorhynchus mykiss (Walbaum), fed process variants of soybean meal. Aquaculture Research, 2018, 49, 492-504.	1.8	41
6	Impact of Aquaculture Practices on Intestinal Bacterial Profiles of Pacific Whiteleg Shrimp Litopenaeus vannamei. Microorganisms, 2019, 7, 93.	3.6	32
7	Effects of Dietary Distillers Dried Grains with Solubles and Soybean Meal on Extruded Pellet Characteristics and Growth Responses of Juvenile Yellow Perch. North American Journal of Aquaculture, 2011, 73, 270-278.	1.4	28
8	Densityâ€Dependence and Environmental Conditions Regulate Recruitment and Firstâ€Year Growth of Common Carp in Shallow Lakes. Transactions of the American Fisheries Society, 2013, 142, 471-482.	1.4	27
9	Metabolic theory explains latitudinal variation in common carp populations and predicts responses to climate change. Ecosphere, 2015, 6, 1-16.	2.2	26
10	Biomass-dependent effects of age-0 common carp on aquatic ecosystems. Hydrobiologia, 2015, 742, 71-80.	2.0	24
11	Bioprocessed soybean meal replacement of fish meal in rainbow trout (Oncorhynchus mykiss) diets. Cogent Food and Agriculture, 2019, 5, 1579482.	1.4	23
12	Continuous, pulsed and disrupted nutrient subsidy effects on ecosystem productivity, stability, and energy flow. Ecosphere, 2013, 4, 1-13.	2.2	20
13	Maternal effects of common carp on egg quantity and quality. Journal of Freshwater Ecology, 2012, 27, 409-417.	1.2	19
14	Quantitative trait locus analysis of seed sulfur-containing amino acids in two recombinant inbred line populations of soybean. Euphytica, 2015, 201, 293-305.	1.2	19
15	Twin-screw Extrusion Processing of Vegetable-based Protein Feeds for Yellow Perch (Perca) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Soybean Meal. Journal of Food Research, 2012, 1, 230.	0.3	16
16	Investigation of the Potential Effects of Host Genetics and Probiotic Treatment on the Gut Bacterial Community Composition of Aquaculture-raised Pacific Whiteleg Shrimp, Litopenaeus vannamei. Microorganisms, 2019, 7, 217.	3.6	15
17	Diel and temporal habitat use of four juvenile fishes in a complex glacial lake. Lake and Reservoir Management, 2012, 28, 120-129.	1.3	14
18	Spatiotemporal Variation of Juvenile Common Carp Foraging Patterns as Inferred from Stable Isotope Analysis. Transactions of the American Fisheries Society, 2013, 142, 1179-1191.	1.4	11

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19	Movement and Spatial Distribution of Common Carp in a South Dakota Glacial Lake System: Implications for Management and Removal. North American Journal of Fisheries Management, 2014, 34, 1270-1281.	1.0	11
20	Nutrient and algal responses to winterkilled fish-derived nutrient subsidies in eutrophic lakes. Lake and Reservoir Management, 2012, 28, 189-199.	1.3	10
21	Culture performance and tissue fatty acid compositions of yellow perch (Perca flavescens) fed different dietary lipids. Aquaculture, 2012, 360-361, 17-24.	3.5	10
22	Temperature-Dependent Growth Models for South Dakota Yellow Perch,Perca flavescens, Fingerling Production. Journal of Applied Aquaculture, 2004, 16, 105-112.	1.4	9
23	Effects of resource pulses on nutrient availability, ecosystem productivity, and temporal variability following a stochastic disturbance in eutrophic glacial lakes. Hydrobiologia, 2016, 771, 165-177.	2.0	9
24	Effects of a Bioprocessed Soybean Meal Ingredient on the Intestinal Microbiota of Hybrid Striped Bass, Morone chrysops x M. saxatilis. Microorganisms, 2021, 9, 1032.	3.6	8
25	Improvement of an Esocid Bioenergetics Model for Juvenile Fish. Transactions of the American Fisheries Society, 2008, 137, 1891-1897.	1.4	7
26	An Evaluation of Attractants to Increase Catch Rates and Deplete Ageâ€0 Common Carp in Shallow South Dakota Lakes. North American Journal of Fisheries Management, 2016, 36, 506-513.	1.0	7
27	Quantifying the spatial scale of common carp (Cyprinus carpio) recruitment synchrony. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 1682-1691.	1.4	7
28	Process effects on carinata Brassica carinata and camelina Camelina sativa seed meal compositions and diet palatability in Rainbow Trout Oncorhynchus mykiss. Animal Feed Science and Technology, 2020, 267, 114578.	2.2	7
29	Evaluation of Four Commercial Grower Diets for Production of Largemouth Bass. Journal of Applied Aquaculture, 2013, 25, 35-49.	1.4	5
30	Effects of resource pulse magnitude on nutrient availability, productivity, stability, and food web dynamics in experimental aquatic ecosystems. Hydrobiologia, 2018, 814, 191-203.	2.0	5
31	Reproductive cycle of northern largemouth bass Micropterus salmoides salmoides. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 540-551.	1.9	5
32	Replacement of fish meal with processed carinata (Brassica carinata) seed meal in low animal protein diets of rainbow trout (Oncorhynchus mykiss). Aquaculture Nutrition, 2019, 25, 959-969.	2.7	5
33	Application of a robust design occupancy model for assessing fish recruitment. Canadian Journal of Fisheries and Aquatic Sciences, 2019, 76, 561-568.	1.4	5
34	Application of a Bioenergetics Model for Hatchery Production: Largemouth Bass Fed Commercial Feeds. North American Journal of Aquaculture, 2012, 74, 352-359.	1.4	4
35	Effects of Common Carp on Trophic Dynamics of Sport Fishes in Shallow South Dakota Water Bodies. Transactions of the American Fisheries Society, 2017, 146, 331-340.	1.4	4
36	Evaluating potential competitive bottlenecks between invasive common carp and native bluegill and yellow perch. Ecology of Freshwater Fish, 2018, 27, 216-224.	1.4	4

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37	Nutritional Utilization of Modified Carinata Brassica carinata Meals in Sunshine Bass Diets. North American Journal of Aquaculture, 2019, 81, 372-384.	1.4	4
38	Growth, feeding and thyroxineâ€related responses of hybrid striped (sunshine) bass (Morone) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Nutrition, 2020, 26, 109-122.	2.7	4
39	Effect of Feedingâ€“Fasting Cycles on Oxygen Consumption and Bioenergetics of Female Yellow Perch. Transactions of the American Fisheries Society, 2012, 141, 1480-1491.	1.4	3
40	Effect of fish meal replacement with CarinataBrassica carinatain low animal protein diets of rainbow troutOncorhynchus mykiss(Walbaum) on trypsin activity, protein and amino acid digestibility and bioavailability. Aquaculture Research, 2020, 51, 2134-2149.	1.8	3
41	Combined effect of mild pretreatment and fungal fermentation on nutritional characteristics of canola meal and nutrient digestibility of processed canola meal in rainbow trout. Food and Bioproducts Processing, 2022, 133, 57-66.	3.6	3
42	Nutritional Composition and Use of Common Carp Muscle in Yellow Perch Diets. North American Journal of Aquaculture, 2012, 74, 297-305.	1.4	2
43	Characteristics of Vegetableâ€Based Twinâ€Screw Extruded Yellow Perch (Perca flavescens) Diets Containing Fermented Highâ€Protein Soybean Meal and Graded Levels of Distillers Dried Grains with Solubles. Cereal Chemistry, 2014, 91, 79-87.	2.2	2
44	Estimation of the crude protein requirement for juvenile yellow perch Perca flavescens. Aquaculture Nutrition, 2020, 26, 1383-1393.	2.7	2
45	Amino acid availability of processed Brassica carinata meals in hybrid striped bass Morone chrysops â™€ x M. saxatilis â™‚. Aquaculture Reports, 2021, 19, 100597.	1.7	2
46	Practical Comparison of Commercial Starter Diets for Feed Training Largemouth Bass Fingerlings. Journal of Applied Aquaculture, 2013, 25, 24-34.	1.4	1
47	Effect of Increasing Dietary High Protein Distillers Dried Grains on Yellow Perch Perca flavescens Performance. Journal of Applied Aquaculture, 2022, 34, 702-714.	1.4	1
48	Proposed Standard Weight (Ws) Equations for Arctic Grayling. North American Journal of Fisheries Management, 2021, 41, 739-745.	1.0	1
49	Recipient ecosystem productivity influences effects of resource pulses in mesocosms. Hydrobiologia, 2019, 827, 183-199.	2.0	0