Zhen-Yu Du

List of Publications by Year
in descending order

136	5,134	87723	114278
papers	citations	38 h-index	63 g-index

138	138	138	4553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Persistent Organic Pollutant Exposure Leads to Insulin Resistance Syndrome. Environmental Health Perspectives, 2010, 118, 465-471.	2.8	326
2	Effect of dietary lipid level on growth performance, lipid deposition, hepatic lipogenesis in juvenile cobia (Rachycentron canadum). Aquaculture, 2005, 249, 439-447.	1.7	289
3	Chronic exposure to low environmental concentrations and legal aquaculture doses of antibiotics cause systemic adverse effects in Nile tilapia and provoke differential human health risk. Environment International, 2018, 115, 205-219.	4.8	241
4	Environmental concentrations of antibiotics impair zebrafish gut health. Environmental Pollution, 2018, 235, 245-254.	3.7	198
5	Biochemical hepatic alterations and body lipid composition in the herbivorous grass carp (Ctenopharyngodon idella) fed high-fat diets. British Journal of Nutrition, 2006, 95, 905-915.	1.2	154
6	Toxic effects and residue of aflatoxin B1 in tilapia (Oreochromis niloticusÃ—O. aureus) during long-term dietary exposure. Aquaculture, 2010, 307, 233-240.	1.7	145
7	Systemic adaptation of lipid metabolism in response to low- and high-fat diet in Nile tilapia (Oreochromis niloticus). Physiological Reports, 2015, 3, e12485.	0.7	113
8	A global analysis on the systemic effects of antibiotics in cultured fish and their potential human health risk: a review. Reviews in Aquaculture, 2021, 13, 1015-1059.	4.6	105
9	Effect of dietary calcium and phosphorus on growth, feed efficiency, mineral content and body composition of juvenile grouper, Epinephelus coioides. Aquaculture, 2006, 255, 263-271.	1.7	97
10	Fasting enhances cold resistance in fish through stimulating lipid catabolism and autophagy. Journal of Physiology, 2019, 597, 1585-1603.	1.3	96
11	The influence of feeding rate on growth, feed efficiency and body composition of juvenile grass carp (Ctenopharyngodon idella). Aquaculture International, 2006, 14, 247-257.	1.1	82
12	Methionine limitation results in increased hepatic FAS activity, higher liver 18:1 to 18:0 fatty acid ratio and hepatic TAG accumulation in Atlantic salmon, Salmo salar. Amino Acids, 2010, 39, 449-460.	1.2	82
13	Mechanisms and metabolic regulation of PPARÎ± activation in Nile tilapia (Oreochromis niloticus). Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 1036-1048.	1.2	80
14	Effects of dietary carbohydrate level on growth and body composition of juvenile tilapia, Oreochromis niloticusxO. aureus. Aquaculture Research, 2005, 36, 1408-1413.	0.9	78
15	The metabolomics responses of Chinese mitten-hand crab (Eriocheir sinensis) to different dietary oils. Aquaculture, 2017, 479, 188-199.	1.7	68
16	Influence of Long-Term Feeding Antibiotics on the Gut Health of Zebrafish. Zebrafish, 2018, 15, 340-348.	0.5	65
17	The Presence or Absence of Intestinal Microbiota Affects Lipid Deposition and Related Genes Expression in Zebrafish (Danio rerio). Frontiers in Microbiology, 2018, 9, 1124.	1.5	63
18	Dietary microencapsulated oil improves immune function and intestinal health in Nile tilapia fed with high-fat diet. Aquaculture, 2018, 496, 19-29.	1.7	61

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19	High fat diet worsens the adverse effects of antibiotic on intestinal health in juvenile Nile tilapia (Oreochromis niloticus). Science of the Total Environment, 2019, 680, 169-180.	3.9	61
20	Upregulation of liver VLDL receptor and FAT/CD36 expression in LDLRâ^'/â^' apoB100/100 mice fed trans-10,cis-12 conjugated linoleic acid. Journal of Lipid Research, 2006, 47, 2647-2655.	2.0	59
21	Riskâ€"benefit evaluation of fish from Chinese markets: Nutrients and contaminants in 24 fish species from five big cities and related assessment for human health. Science of the Total Environment, 2012, 416, 187-199.	3.9	58
22	Sodium acetate alleviated high-carbohydrate induced intestinal inflammation by suppressing MAPK and NF-ÎºB signaling pathways in Nile tilapia (Oreochromis niloticus). Fish and Shellfish Immunology, 2020, 98, 758-765.	1.6	56
23	Nutritional Regulation of Bile Acid Metabolism Is Associated with Improved Pathological Characteristics of the Metabolic Syndrome. Journal of Biological Chemistry, 2011, 286, 28382-28395.	1.6	55
24	Dietary inclusion of salmon, herring and pompano as oily fish reduces CVD risk markers in dyslipidaemic middle-aged and elderly Chinese women. British Journal of Nutrition, 2012, 108, 1455-1465.	1.2	53
25	Systemic regulation of L-carnitine in nutritional metabolism in zebrafish, Danio rerio. Scientific Reports, 2017, 7, 40815.	1.6	53
26	Comparative analysis of the hepatopancreas transcriptome of grass carp (Ctenopharyngodon idellus) fed with lard oil and fish oil diets. Gene, 2015, 565, 192-200.	1.0	52
27	Hydrolyzed Casein Reduces Diet-Induced Obesity in Male C57BL/6J Mice. Journal of Nutrition, 2013, 143, 1367-1375.	1.3	50
28	Dietary oils modify lipid molecules and nutritional value of fillet in Nile tilapia: A deep lipidomics analysis. Food Chemistry, 2019, 277, 515-523.	4.2	50
29	Influence of Endogenous and Exogenous Estrogenic Endocrine on Intestinal Microbiota in Zebrafish. PLoS ONE, 2016, 11, e0163895.	1.1	49
30	The metabolic regulation of dietary Lâ€carnitine in aquaculture nutrition: present status and future research strategies. Reviews in Aquaculture, 2019, 11, 1228-1257.	4.6	47
31	The comparisons in protective mechanisms and efficiencies among dietary Î±-lipoic acid, Î²-glucan and l-carnitine on Nile tilapia infected by Aeromonas hydrophila. Fish and Shellfish Immunology, 2019, 86, 785-793.	1.6	46
32	Sex-specific alterations of lipid metabolism in zebrafish exposed to polychlorinated biphenyls. Chemosphere, 2019, 221, 768-777.	4.2	44
33	Mitochondrial Fatty Acid Î²-Oxidation Inhibition Promotes Glucose Utilization and Protein Deposition through Energy Homeostasis Remodeling in Fish. Journal of Nutrition, 2020, 150, 2322-2335.	1.3	44
34	Urinary Loss of Tricarboxylic Acid Cycle Intermediates As Revealed by Metabolomics Studies: An Underlying Mechanism to Reduce Lipid Accretion by Whey Protein Ingestion?. Journal of Proteome Research, 2014, 13, 2560-2570.	1.8	42
35	Environmental estrogen exposure converts lipid metabolism in male fish to a female pattern mediated by AMPK and mTOR signaling pathways. Journal of Hazardous Materials, 2020, 394, 122537.	6.5	41
36	The protein-sparing effect of Î±-lipoic acid in juvenile grass carp, Ctenopharyngodon idellus: effects on lipolysis, fatty acid Î²-oxidation and protein synthesis. British Journal of Nutrition, 2018, 120, 977-987.	1.2	40

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37	Concentration-dependent effects of 17Î²-estradiol and bisphenol A on lipid deposition, inflammation and antioxidant response in male zebrafish (Danio rerio). Chemosphere, 2019, 237, 124422.	4.2	40
38	Dietary eicosapentaenoic acid supplementation accentuates hepatic triglyceride accumulation in mice with impaired fatty acid oxidation capacity. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 291-299.	1.2	39
39	Evaluation of the distribution of adipose tissues in fish using magnetic resonance imaging (MRI). Aquaculture, 2015, 448, 112-122.	1.7	38
40	Î±-lipoic acid ameliorates n-3 highly-unsaturated fatty acids induced lipid peroxidation via regulating antioxidant defenses in grass carp (Ctenopharyngodon idellus). Fish and Shellfish Immunology, 2017, 67, 359-367.	1.6	37
41	Inhibited fatty acid Î²-oxidation impairs stress resistance ability in Nile tilapia (Oreochromis niloticus). Fish and Shellfish Immunology, 2017, 68, 500-508.	1.6	37
42	High carbohydrate diet partially protects Nile tilapia (Oreochromis niloticus) from oxytetracycline-induced side effects. Environmental Pollution, 2020, 256, 113508.	3.7	37
43	Hypolipidaemic effects of fenofibrate and fasting in the herbivorous grass carp (Ctenopharyngodon idella) fed a high-fat diet. British Journal of Nutrition, 2008, 100, 1200-1212.	1.2	36
44	Effects of temperature and salinity on metabolic rate of the Asiatic clam Corbicula fluminea (MÃ¼ller,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	36
45	Leptin Selectively Regulates Nutrients Metabolism in Nile Tilapia Fed on High Carbohydrate or High Fat Diet. Frontiers in Endocrinology, 2018, 9, 574.	1.5	36
46	Different physiological roles of insulin receptors in mediating nutrient metabolism in zebrafish. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E38-E51.	1.8	36
47	Nutritional background changes the hypolipidemic effects of fenofibrate in Nile tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Ove	1.6	35
48	The individual and combined effects of hypoxia and high-fat diet feeding on nutrient composition and flesh quality in Nile tilapia (Oreochromis niloticus). Food Chemistry, 2021, 343, 128479.	4.2	35
49	Regulation of Lipid Flux between Liver and Adipose Tissue during Transient Hepatic Steatosis in Carnitine-depleted Rats. Journal of Biological Chemistry, 2007, 282, 20816-20826.	1.6	34
50	Identification, characterization and nutritional regulation of two isoforms of acyl-coenzyme A oxidase 1 gene in Nile tilapia (Oreochromis niloticus). Gene, 2014, 545, 30-35.	1.0	33
51	Lipolytic enzymes involving lipolysis in Teleost: Synteny, structure, tissue distribution, and expression in grass carp (Ctenopharyngodon idella). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 198, 110-118.	0.7	33
52	Nutrients and contaminants in tissues of five fish species obtained from Shanghai markets: Riskâ€“benefit evaluation from human health perspectives. Science of the Total Environment, 2015, 536, 933-945.	3.9	32
53	Inclusion of Atlantic salmon in the Chinese diet reduces cardiovascular disease risk markers in dyslipidemic adult men. Nutrition Research, 2010, 30, 447-454.	1.3	30
54	Bacillus amyloliquefaciensameliorates high-carbohydrate diet-induced metabolic phenotypes by restoration of intestinal acetate-producing bacteria in Nile Tilapia. British Journal of Nutrition, 2022, 127, 653-665.	1.2	30

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55	Elucidation of triacylglycerols in cod liver oil by liquid chromatography electrospray tandem ion-trap mass spectrometry. Talanta, 2010, 82, 1261-1270.	2.9	29
56	Growth, body composition, ammonia tolerance and hepatopancreas histology of white shrimpLitopenaeus vannameifed diets containing different carbohydrate sources at low salinity. Aquaculture Research, 2016, 47, 1932-1943.	0.9	29
57	Molecular characterization and immune response to lipopolysaccharide (LPS) of the suppressor of cytokine signaling (SOCS)-1, 2 and 3 genes in Nile tilapia (Oreochromis niloticus). Fish and Shellfish Immunology, 2016, 50, 160-167.	1.6	29
58	Lipophagy is essential for lipid metabolism in fish. Science Bulletin, 2018, 63, 879-882.	4.3	29
59	Gnotobiotic models: Powerful tools for deeply understanding intestinal microbiota-host interactions in aquaculture. Aquaculture, 2020, 517, 734800.	1.7	29
60	Dietary glutathione as an antioxidant improves resistance to ammonia exposure in Litopenaeus vannamei. Aquaculture Research, 2012, 43, 311-316.	0.9	28
61	Different effects of two dietary levels of tea polyphenols on the lipid deposition, immunity and antioxidant capacity of juvenile GIFT tilapia (Oreochromis niloticus) fed a high-fat diet. Aquaculture, 2021, 542, 736896.	1.7	28
62	Alteration of 20â^¶5nâ^'3 and 22â^¶6nâ^'3 fat contents and liver peroxisomal activities in fenofibrate-treated rainbow trout. Lipids, 2004, 39, 849-855.	0.7	27
63	Citrobacter Species Increase Energy Harvest by Modulating Intestinal Microbiota in Fish: Nondominant Species Play Important Functions. MSystems, 2020, 5, .	1.7	27
64	Depot-Dependent Effects of Adipose Tissue Explants on Co-Cultured Hepatocytes. PLoS ONE, 2011, 6, e20917.	1.1	27
65	Reduced oxidative stress increases acute cold stress tolerance in zebrafish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 235, 166-173.	0.8	26
66	Inulin alleviates adverse metabolic syndrome and regulates intestinal microbiota composition in Nile tilapia (Oreochromis niloticus) fed with high-carbohydrate diet. British Journal of Nutrition, 2021, 126, 161-171.	1.2	26
67	Î²-oxidation modulates metabolic competition between eicosapentaenoic acid and arachidonic acid regulating prostaglandin E2 synthesis in rat hepatocytesâ€“Kupffer cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 526-536.	1.2	25
68	Molecular characterization, transcriptional activity and nutritional regulation of peroxisome proliferator activated receptor gamma in Nile tilapia (Oreochromis niloticus). General and Comparative Endocrinology, 2015, 223, 139-147.	0.8	25
69	Molecular characterization and nutritional regulation of carnitine palmitoyltransferase (CPT) family in grass carp (Ctenopharyngodon idellus). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 203, 11-19.	0.7	24
70	Soybean and cottonseed meals are good candidates for fishmeal replacement in the diet of juvenile Macrobrachium nipponense. Aquaculture International, 2018, 26, 309-324.	1.1	24
71	The Responses of Germ-Free Zebrafish (Danio rerio) to Varying Bacterial Concentrations, Colonization Time Points, and Exposure Duration. Frontiers in Microbiology, 2019, 10, 2156.	1.5	24
72	Gemfibrozil improves lipid metabolism in Nile tilapia Oreochromis niloticus fed a high-carbohydrate diet through peroxisome proliferator activated receptor-Î± activation. General and Comparative Endocrinology, 2020, 296, 113537.	0.8	24

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73	Quantitative dietary isoleucine requirement of juvenile Pacific white shrimp, Litopenaeus vannamei (Boone) reared in low-salinity water. Aquaculture International, 2014, 22, 1481-1497.	1.1	23
74	Discrimination of nâ€3 Rich Oils by Gas Chromatography. Lipids, 2010, 45, 1147-1158.	0.7	22
75	Inhibited Lipophagy Suppresses Lipid Metabolism in Zebrafish Liver Cells. Frontiers in Physiology, 2019, 10, 1077.	1.3	22
76	Forskolin reduces fat accumulation in Nile tilapia (Oreochromis niloticus) through stimulating lipolysis and beta-oxidation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 230, 7-15.	0.8	22
77	The regulation of rapamycin on nutrient metabolism in Nile tilapia fed with high-energy diet. Aquaculture, 2020, 520, 734975.	1.7	22
78	Tracking pollutants in dietary fish oil: From ocean to table. Environmental Pollution, 2018, 240, 733-744.	3.7	21
79	Functional differences betweenl- andd-carnitine in metabolic regulation evaluated using a low-carnitine Nile tilapia model. British Journal of Nutrition, 2019, 122, 625-638.	1.2	20
80	Metabolism of linoleic and linolenic acids in hepatocytes of two freshwater fish with different n-3 or n-6 fatty acid requirements. Aquaculture, 2020, 515, 734595.	1.7	20
81	Peroxisomal proliferatorâ€activated receptor Î±â€b deficiency induces the reprogramming of nutrient metabolism in zebrafish. Journal of Physiology, 2020, 598, 4537-4553.	1.3	20
82	Reduced fatty acid Î²-oxidation improves glucose catabolism and liver health in Nile tilapia (Oreochromis niloticus) juveniles fed a high-starch diet. Aquaculture, 2021, 535, 736392.	1.7	19
83	Intestinal Microbiota Mediates Gossypol-Induced Intestinal Inflammation, Oxidative Stress, and Apoptosis in Fish. Journal of Agricultural and Food Chemistry, 2022, 70, 6688-6697.	2.4	19
84	Effect of long-term administration of dietary Î²-1,3-glucan on growth, physiological, and immune responses in Litopenaeus vannamei (Boone, 1931). Aquaculture International, 2012, 20, 145-158.	1.1	18
85	Physiological and metabolic differences between visceral and subcutaneous adipose tissues in Nile tilapia(Oreochromis niloticus). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 313, R608-R619.	0.9	18
86	The lipids. , 2022, , 303-467.		18
87	Dietary l-carnitine supplementation recovers the increased pH and hardness in fillets caused by high-fat diet in Nile tilapia (Oreochromis niloticus). Food Chemistry, 2022, 382, 132367.	4.2	18
88	Inhibited Carnitine Synthesis Causes Systemic Alteration of Nutrient Metabolism in Zebrafish. Frontiers in Physiology, 2018, 9, 509.	1.3	17
89	High-carbohydrate diet promotes the adaptation to acute hypoxia in zebrafish. Fish Physiology and Biochemistry, 2020, 46, 665-679.	0.9	17
90	Dietary tea polyphenols change flesh quality with doseâ€related manner in the GIFT tilapia fed with a highâ€fat diet. Aquaculture Nutrition, 2021, 27, 519-532.	1.1	17

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91	PPARÎ± activation enhances the ability of nile tilapia (Oreochromis niloticus) to resist Aeromonas hydrophila infection. Fish and Shellfish Immunology, 2019, 94, 675-684.	1.6	16
92	Are we actually measuring growth?â€"An appeal to use a more comprehensive growth index system for advancing aquaculture research. Reviews in Aquaculture, 2022, 14, 525-527.	4.6	16
93	Dietary Arachidonic Acid Has a Timeâ€Ðependent Differential Impact on Adipogenesis Modulated via COX and LOX Pathways in Grass Carp Ctenopharyngodon idellus. Lipids, 2016, 51, 1325-1338.	0.7	15
94	Inhibition of intestinal lipases alleviates the adverse effects caused by high-fat diet in Nile tilapia. Fish Physiology and Biochemistry, 2020, 46, 111-123.	0.9	15
95	Impaired peroxisomal fat oxidation induces hepatic lipid accumulation and oxidative damage in Nile tilapia. Fish Physiology and Biochemistry, 2020, 46, 1229-1242.	0.9	15
96	Morphology, mitochondrial development and adipogenic-related genes expression during adipocytes differentiation in grass carp (Ctenopharyngodon idellus). Science Bulletin, 2015, 60, 1241-1251.	4.3	14
97	Forkhead box O1 in grass carp Ctenopharyngodon idella: Molecular characterization, gene structure, tissue distribution and mRNA expression in insulin-inhibited adipocyte lipolysis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 204, 76-84.	0.8	14
98	Inhibited autophagy impairs systemic nutrient metabolism in Nile tilapia. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 236, 110521.	0.8	14
99	Effect of Dietary Energy to Protein Ratios on Growth Performance and Feed Efficiency of Juvenile Grass Carp (Ctenopharyngodon idella). The Open Fish Science Journal, 2009, 2, 25-31.	0.2	14
100	Different intakes of n-3 fatty acids among pregnant women in 3 regions of China with contrasting dietary patterns are reflected in maternal but not in umbilical erythrocyte phosphatidylcholine fatty acid composition. Nutrition Research, 2013, 33, 613-621.	1.3	13
101	Effects of replacing soybean meal protein with cottonseed protein concentrate on the growth condition and intestinal health of Nile tilapia (Oreochromis niloticus). Aquaculture Nutrition, 2021, 27, 2436-2447.	1.1	13
102	More simple more worse: Simple carbohydrate diets cause alterations in glucose and lipid metabolism in Nile tilapia (Oreochromis niloticus). Aquaculture, 2022, 550, 737857.	1.7	13
103	Dissimilar Properties of Vaccenic Versus Elaidic Acid in Î²â€Oxidation Activities and Gene Regulation in Rat Liver Cells. Lipids, 2010, 45, 581-591.	0.7	12
104	Untargeted<scp>GC</scp>â€<scp>MS</scp>metabolomics reveals metabolic differences in the Chinese mittenâ€hand crab (Eriocheir sinensis) fed with dietary palm oil or olive oil. Aquaculture Nutrition, 2018, 24, 1623-1637.	1.1	12
105	Dietary L-carnitine improves glycogen and protein accumulation in Nile tilapia via increasing lipid-sourced energy supply: An isotope-based metabolic tracking. Aquaculture Reports, 2020, 17, 100302.	0.7	12
106	Lipolysis and lipophagy play individual and interactive roles in regulating triacylglycerol and cholesterol homeostasis and mitochondrial form in zebrafish. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158988.	1.2	12
107	Pigment epithelium-derived factor improves TNFÎ±-induced hepatic steatosis in grass carp (Ctenopharyngodon idella). Developmental and Comparative Immunology, 2017, 71, 8-17.	1.0	11
108	G0S2a1 (G0/G1 switch gene 2a1) is downregulated by TNF-Î± in grass carp (Ctenopharyngodon idellus) hepatocytes through PPARÎ± inhibition. Gene, 2018, 641, 1-7.	1.0	11

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109	Diacylglycerol oil reduces fat accumulation and increases protein content by inducing lipid catabolism and protein metabolism in Nile tilapia (Oreochromis niloticus). Aquaculture, 2019, 510, 90-99.	1.7	11
110	Comparison of effects of dietaryâ€specific fatty acids on growth and lipid metabolism in Nile tilapia. Aquaculture Nutrition, 2019, 25, 862-872.	1.1	11
111	Dietary aflatoxin impairs flesh quality through reducing nutritional value and changing myofiber characteristics in yellow catfish (Pelteobagrus fulvidraco). Animal Feed Science and Technology, 2021, 274, 114764.	1.1	11
112	Unbound DHA causes a high blank value in Î²â€oxidation assay: a concern for in vitro studies. European Journal of Lipid Science and Technology, 2010, 112, 333-342.	1.0	9
113	Vaccenic and Elaidic Acid Equally Esterify into Triacylglycerols, but Differently into Phospholipids of Fed Rat Liver Cells. Lipids, 2011, 46, 647-657.	0.7	9
114	Oligosaccharides improve the flesh quality and nutrition value of Nile tilapia fed with high carbohydrate diet. Food Chemistry Molecular Sciences, 2021, 3, 100040.	0.9	9
115	The Intestinal Evacuation and Maximum Daily Consumption of Purified Formulated Diets by Juvenile Grass Carp (Ctenopharyngodon idella). The Open Fish Science Journal, 2009, 2, 1-5.	0.2	9
116	Pediococcus pentosaceus Enhances Host Resistance Against Pathogen by Increasing IL-1Î² Production: Understanding Probiotic Effectiveness and Administration Duration. Frontiers in Immunology, 2021, 12, 766401.	2.2	9
117	Dietary sodium lactate promotes protein and lipid deposition through increasing energy supply from glycolysis in Nile tilapia (Oreochromis niloticus). Aquaculture, 2022, 550, 737858.	1.7	9
118	Microbiota derived butyrate affected the muscle texture of Nile tilapia (Oreochromis niloticus) fed with different protein sources. Food Chemistry, 2022, 393, 133392.	4.2	9
119	Inhibited carnitine synthesis impairs adaptation to high-fat diet in Nile tilapia (Oreochromis niloticus). Aquaculture Reports, 2020, 16, 100249.	0.7	8
120	The reduction of lipid-sourced energy production caused by ATGL inhibition cannot be compensated by activation of HSL, autophagy, and utilization of other nutrients in fish. Fish Physiology and Biochemistry, 2021, 47, 173-188.	0.9	8
121	Lactobacillus plantarum Ameliorates High-Carbohydrate Diet-Induced Hepatic Lipid Accumulation and Oxidative Stress by Upregulating Uridine Synthesis. Antioxidants, 2022, 11, 1238.	2.2	8
122	High protein intake promotes the adaptation to chronic hypoxia in zebrafish (Danio rerio). Aquaculture, 2021, 535, 736356.	1.7	7
123	Dietary L-Carnitine Alleviates the Adverse Effects Caused by Reducing Protein and Increasing Fat Contents in Diet Juvenile Largemouth Bass (Micropterus salmoides). Aquaculture Nutrition, 2022, 2022, 1-14.	1.1	6
124	Inhibition of pyruvate dehydrogenase kinase improves carbohydrate utilization in Nile tilapia by regulating PDK2/4-PDHE1Î± axis and insulin sensitivity. Animal Nutrition, 2022, 11, 25-37.	2.1	6
125	IGF-1 induces SOCS-2 but not SOCS-1 and SOCS-3 transcription in juvenile Nile tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /O	0.8	5
126	Bacillus amyloliquefaciens protects Nile tilapia against Aeromonas hydrophila infection and alleviates liver inflammation induced by high-carbohydrate diet. Fish and Shellfish Immunology, 2022, 127, 836-842.	1.6	5

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127	Alteration and the Function of Intestinal Microbiota in High-Fat-Diet- or Genetics-Induced Lipid Accumulation. Frontiers in Microbiology, 2021, 12, 741616.	1.5	4
128	Comparative Analysis of Fatty Acid Profiles in Brains and Eyes of Five Economic Fish Species in Winter and Summer. Journal of Food and Nutrition Research (Newark, Del), 2014, 2, 722-730.	0.1	4
129	Mildronate triggers growth suppression and lipid accumulation in largemouth bass (Micropterus) Tj ETQq1 1 0.784314 rgBT /Overloc	0.9	4
130	Dietary Copper Requirement of Juvenile Oriental River Prawn Macrobrachium nipponense, and its Effects on Growth, Antioxidant Activities, and Resistance to Aeromonas hydrophila. Israeli Journal of Aquaculture - Bamidgeh, 0, 66, .	0.0	4
131	An LCâ€“MS-based lipidomics approach for studying the impact of dietary eicosapentaenoic acid on modulating methylmercury toxicity in mice. Metabolomics, 2016, 12, 1.	1.4	3
132	Methylmercury Increases and Eicosapentaenoic Acid Decreases the Relative Amounts of Arachidonic Acidâ€Containing Phospholipids in Mouse Brain. Lipids, 2016, 51, 61-73.	0.7	3
133	Activation of peroxisome proliferatorâ€activated receptorâ€Î± stimulated lipid catabolism in liver of largemouth bass, Micropterus salmoides. Aquaculture Nutrition, 2021, 27, 2749-2758.	1.1	3
134	CIDEA and CIDEC are regulated by CREB and are not induced during fasting in grass carp Ctenopharyngodon idella adipocytes. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 234, 50-57.	0.7	1
135	Peroxisome proliferator-activated receptor gamma is essential for stress adaptation by maintaining lipid homeostasis in female fish. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159162.	1.2	1
136	Trehalose alleviated hepatic cholesterol accumulation via inhibiting transformation from glucose-derived acyl-CoA to cholesterol synthesis in Nile tilapia. Aquaculture, 2022, 560, 738600.	1.7	1