

Stephane Panserat

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147
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6,884
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avg, IF

5.82
L-index

#	Paper	IF	Citations
140	Glucose metabolism in fish: a review. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012 , 182, 1015-45	2.2	449
139	Nutritional regulation of hepatic glucose metabolism in fish. <i>Fish Physiology and Biochemistry</i> , 2009 , 35, 519-39	2.7	302
138	Utilisation of dietary carbohydrates in farmed fishes: New insights on influencing factors, biological limitations and future strategies. <i>Aquaculture</i> , 2017 , 467, 3-27	4.4	227
137	Replacing dietary fish oil by vegetable oils has little effect on lipogenesis, lipid transport and tissue lipid uptake in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>British Journal of Nutrition</i> , 2006 , 96, 299-309	3.6	155
136	An in vivo and in vitro assessment of TOR signaling cascade in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R329-35	3.2	138
135	Effects of dietary amino acid profile on growth performance, key metabolic enzymes and somatotropic axis responsiveness of gilthead sea bream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2003 , 220, 749-764	4.4	125
134	Lack of significant long-term effect of dietary carbohydrates on hepatic glucose-6-phosphatase expression in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Nutritional Biochemistry</i> , 2000 , 11, 22-9	6.3	123
133	Integration of insulin and amino acid signals that regulate hepatic metabolism-related gene expression in rainbow trout: role of TOR. <i>Amino Acids</i> , 2010 , 39, 801-10	3.5	112
132	Growth performance and metabolic utilization of diets with native and waxy maize starch by gilthead sea bream (<i>Sparus aurata</i>) juveniles. <i>Aquaculture</i> , 2008 , 274, 101-108	4.4	107
131	Dietary carbohydrate-to-protein ratio affects TOR signaling and metabolism-related gene expression in the liver and muscle of rainbow trout after a single meal. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R733-43	3.2	102
130	Regulation of metabolism by dietary carbohydrates in two lines of rainbow trout divergently selected for muscle fat content. <i>Journal of Experimental Biology</i> , 2012 , 215, 2567-78	3	101
129	Effect of dietary carbohydrate-to-lipid ratios on growth, lipid deposition and metabolic hepatic enzymes in juvenile Senegalese sole (<i>Solea senegalensis</i> , Kaup). <i>Aquaculture Research</i> , 2004 , 35, 1122-1130	1.9	101
128	Differential gene expression after total replacement of dietary fish meal and fish oil by plant products in rainbow trout (<i>Oncorhynchus mykiss</i>) liver. <i>Aquaculture</i> , 2009 , 294, 123-131	4.4	97
127	Insulin regulates the expression of several metabolism-related genes in the liver and primary hepatocytes of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Experimental Biology</i> , 2008 , 211, 2510-8 ³		95
126	L-leucine, L-methionine, and L-lysine are involved in the regulation of intermediary metabolism-related gene expression in rainbow trout hepatocytes. <i>Journal of Nutrition</i> , 2011 , 141, 75-80 ^{4.1}		92
125	Rainbow trout genetically selected for greater muscle fat content display increased activation of liver TOR signaling and lipogenic gene expression. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 297, R1421-9	3.2	91
124	Dietary Carbohydrate Utilization by European Sea Bass (<i>Dicentrarchus labrax</i> L.) and Gilthead Sea Bream (<i>Sparus aurata</i> L.) Juveniles. <i>Reviews in Fisheries Science</i> , 2011 , 19, 201-215		90

123	High or low dietary carbohydrate:protein ratios during first-feeding affect glucose metabolism and intestinal microbiota in juvenile rainbow trout. <i>Journal of Experimental Biology</i> , 2014 , 217, 3396-406	3	73
122	Low protein intake is associated with reduced hepatic gluconeogenic enzyme expression in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Nutrition</i> , 2003 , 133, 2561-4	4.1	73
121	Feeding status regulates the polyubiquitination step of the ubiquitin-proteasome-dependent proteolysis in rainbow trout (<i>Oncorhynchus mykiss</i>) muscle. <i>Journal of Nutrition</i> , 2008 , 138, 487-91	4.1	72
120	The positive impact of the early-feeding of a plant-based diet on its future acceptance and utilisation in rainbow trout. <i>PLoS ONE</i> , 2013 , 8, e83162	3.7	69
119	Hepatic gene expression profiles in juvenile rainbow trout (<i>Oncorhynchus mykiss</i>) fed fishmeal or fish oil-free diets. <i>British Journal of Nutrition</i> , 2008 , 100, 953-67	3.6	68
118	Hepatic protein kinase B (Akt)-target of rapamycin (TOR)-signalling pathways and intermediary metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>) are not significantly affected by feeding plant-based diets. <i>British Journal of Nutrition</i> , 2009 , 102, 1564-73	3.6	67
117	Altered dietary carbohydrates significantly affect gene expression of the major glucosensing components in Brockmann bodies and hypothalamus of rainbow trout. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R1077-88	3.2	67
116	Postprandial regulation of hepatic microRNAs predicted to target the insulin pathway in rainbow trout. <i>PLoS ONE</i> , 2012 , 7, e38604	3.7	65
115	Muscle insulin binding and plasma levels in relation to liver glucokinase activity, glucose metabolism and dietary carbohydrates in rainbow trout. <i>Regulatory Peptides</i> , 2003 , 110, 123-32		64
114	High levels of dietary fat impair glucose homeostasis in rainbow trout. <i>Journal of Experimental Biology</i> , 2012 , 215, 169-78	3	63
113	Dietary methionine availability affects the main factors involved in muscle protein turnover in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>British Journal of Nutrition</i> , 2014 , 112, 493-503	3.6	62
112	Regulation of gene expression by nutritional factors in fish. <i>Aquaculture Research</i> , 2010 , 41, 751-762	1.9	62
111	Molecular regulation of lipid metabolism in liver and muscle of rainbow trout subjected to acute and chronic insulin treatments. <i>Domestic Animal Endocrinology</i> , 2010 , 39, 26-33	2.3	62
110	An in vivo and in vitro assessment of autophagy-related gene expression in muscle of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010 , 157, 258-66	2.3	59
109	The metabolic consequences of hepatic AMP-kinase phosphorylation in rainbow trout. <i>PLoS ONE</i> , 2011 , 6, e20228	3.7	57
108	The role of hepatic, renal and intestinal gluconeogenic enzymes in glucose homeostasis of juvenile rainbow trout. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008 , 178, 429-38	2.2	54
107	Insulin-induced hypoglycaemia is co-ordinately regulated by liver and muscle during acute and chronic insulin stimulation in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Experimental Biology</i> , 2010 , 213, 1443-52	3	52
106	High dietary lipids induce liver glucose-6-phosphatase expression in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Nutrition</i> , 2002 , 132, 137-41	4.1	52

105	Regulation of glucose and lipid metabolism by dietary carbohydrate levels and lipid sources in gilthead sea bream juveniles. <i>British Journal of Nutrition</i> , 2016 , 116, 19-34	3.6	52
104	Feeding rainbow trout with a lipid-enriched diet: effects on fatty acid sensing, regulation of food intake and cellular signaling pathways. <i>Journal of Experimental Biology</i> , 2015 , 218, 2610-9	3	51
103	Molecular pathways associated with the nutritional programming of plant-based diet acceptance in rainbow trout following an early feeding exposure. <i>BMC Genomics</i> , 2016 , 17, 449	4.5	51
102	New insights into the nutritional regulation of gluconeogenesis in carnivorous rainbow trout (<i>Oncorhynchus mykiss</i>): a gene duplication trail. <i>Physiological Genomics</i> , 2015 , 47, 253-63	3.6	50
101	Glucose homeostasis in rainbow trout fed a high-carbohydrate diet: metformin and insulin interact in a tissue-dependent manner. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R166-74	3.2	50
100	Insulin stimulates lipogenesis and attenuates Beta-oxidation in white adipose tissue of fed rainbow trout. <i>Lipids</i> , 2011 , 46, 189-99	1.6	49
99	Dietary methionine imbalance alters the transcriptional regulation of genes involved in glucose, lipid and amino acid metabolism in the liver of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 2016 , 454, 56-65	4.4	48
98	Post-prandial regulation of hepatic glucokinase and lipogenesis requires the activation of TORC1 signalling in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Experimental Biology</i> , 2013 , 216, 4483-92	3	47
97	The effects of dietary carbohydrate sources and forms on metabolic response and intestinal microbiota in sea bass juveniles, <i>Dicentrarchus labrax</i> . <i>Aquaculture</i> , 2014 , 422-423, 47-53	4.4	46
96	Apparent low ability of liver and muscle to adapt to variation of dietary carbohydrate:protein ratio in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>British Journal of Nutrition</i> , 2013 , 109, 1359-72	3.6	46
95	Amino acids downregulate the expression of several autophagy-related genes in rainbow trout myoblasts. <i>Autophagy</i> , 2012 , 8, 364-75	10.2	43
94	Adaptation of Nile tilapia (<i>Oreochromis niloticus</i>) to different levels of dietary carbohydrates: New insights from a long term nutritional study. <i>Aquaculture</i> , 2018 , 496, 58-65	4.4	41
93	Ontogenetic expression of metabolic genes and microRNAs in rainbow trout alevins during the transition from the endogenous to the exogenous feeding period. <i>Journal of Experimental Biology</i> , 2013 , 216, 1597-608	3	40
92	Metabolism and fatty acid profile in fat and lean rainbow trout lines fed with vegetable oil: effect of carbohydrates. <i>PLoS ONE</i> , 2013 , 8, e76570	3.7	40
91	Metabolic consequences of microRNA-122 inhibition in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>BMC Genomics</i> , 2014 , 15, 70	4.5	39
90	Postprandial regulation of growth- and metabolism-related factors in zebrafish. <i>Zebrafish</i> , 2013 , 10, 237-48		39
89	Cloning and tissue distribution of a carnitine palmitoyltransferase I gene in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003 , 135, 139-51	2.3	39
88	Effects of fish oil replacement by a vegetable oil blend on digestibility, postprandial serum metabolite profile, lipid and glucose metabolism of European sea bass (<i>Dicentrarchus labrax</i>) juveniles. <i>Aquaculture Nutrition</i> , 2015 , 21, 592-603	3.2	38

87	Dietary carbohydrate and lipid source affect cholesterol metabolism of European sea bass (<i>Dicentrarchus labrax</i>) juveniles. <i>British Journal of Nutrition</i> , 2015 , 114, 1143-56	3.6	38
86	Glucose metabolism and gene expression in juvenile zebrafish (<i>Danio rerio</i>) challenged with a high carbohydrate diet: effects of an acute glucose stimulus during late embryonic life. <i>British Journal of Nutrition</i> , 2015 , 113, 403-13	3.6	38
85	Comparison of glucose and lipid metabolic gene expressions between fat and lean lines of rainbow trout after a glucose load. <i>PLoS ONE</i> , 2014 , 9, e105548	3.7	38
84	A comparative study of the metabolic response in rainbow trout and Nile tilapia to changes in dietary macronutrient composition. <i>British Journal of Nutrition</i> , 2013 , 109, 816-26	3.6	37
83	Glucose homeostasis is impaired by a paradoxical interaction between metformin and insulin in carnivorous rainbow trout. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 297, R1769-76	3.2	37
82	Nutritional regulation of glucokinase: a cross-species story. <i>Nutrition Research Reviews</i> , 2014 , 27, 21-47	7	36
81	Dietary carbohydrate and lipid sources affect differently the oxidative status of European sea bass (<i>Dicentrarchus labrax</i>) juveniles. <i>British Journal of Nutrition</i> , 2015 , 114, 1584-93	3.6	35
80	Acute endocrine and nutritional co-regulation of the hepatic omy-miRNA-122b and the lipogenic gene <i>fas</i> in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014 , 169, 16-24	2.3	33
79	Selection for high muscle fat in rainbow trout induces potentially higher chylomicron synthesis and PUFA biosynthesis in the intestine. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 164, 417-27	2.6	33
78	Response of hexokinase enzymes and the insulin system to dietary carbohydrates in the common carp, <i>Cyprinus carpio</i> . <i>Reproduction, Nutrition, Development</i> , 2004 , 44, 233-42		33
77	Molecular responses of Nile tilapia (<i>Oreochromis niloticus</i>) to different levels of dietary carbohydrates. <i>Aquaculture</i> , 2018 , 482, 117-123	4.4	32
76	Effects of fish oil replacement by vegetable oil blend on digestive enzymes and tissue histomorphology of European sea bass (<i>Dicentrarchus labrax</i>) juveniles. <i>Fish Physiology and Biochemistry</i> , 2016 , 42, 203-17	2.7	32
75	Glucose overload in yolk has little effect on the long-term modulation of carbohydrate metabolic genes in zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2014 , 217, 1139-49	3	32
74	Effects of insulin infusion on glucose homeostasis and glucose metabolism in rainbow trout fed a high-carbohydrate diet. <i>Journal of Experimental Biology</i> , 2010 , 213, 4151-7	3	31
73	Remodelling of the hepatic epigenetic landscape of glucose-intolerant rainbow trout (<i>Oncorhynchus mykiss</i>) by nutritional status and dietary carbohydrates. <i>Scientific Reports</i> , 2016 , 6, 32187	4.9	31
72	Regulation of de novo hepatic lipogenesis by insulin infusion in rainbow trout fed a high-carbohydrate diet. <i>Journal of Animal Science</i> , 2011 , 89, 3079-88	0.7	30
71	Amino Acids Attenuate Insulin Action on Gluconeogenesis and Promote Fatty Acid Biosynthesis via mTORC1 Signaling Pathway in trout Hepatocytes. <i>Cellular Physiology and Biochemistry</i> , 2015 , 36, 1084-100	3.9	29
70	Muscle catabolic capacities and global hepatic epigenome are modified in juvenile rainbow trout fed different vitamin levels at first feeding. <i>Aquaculture</i> , 2017 , 468, 515-523	4.4	28

69	CYP2D6 polymorphism in a Gabonese population: contribution of the CYP2D6*2 and CYP2D6*17 alleles to the high prevalence of the intermediate metabolic phenotype. <i>British Journal of Clinical Pharmacology</i> , 1999 , 47, 121-4	3.8	28
68	High-glucose feeding of gilthead seabream (<i>Sparus aurata</i>) larvae: Effects on molecular and metabolic pathways. <i>Aquaculture</i> , 2016 , 451, 241-253	4.4	27
67	Dietary Lipid and Carbohydrate Interactions: Implications on Lipid and Glucose Absorption, Transport in Gilthead Sea Bream (<i>Sparus aurata</i>) Juveniles. <i>Lipids</i> , 2016 , 51, 743-55	1.6	27
66	Insulin regulates lipid and glucose metabolism similarly in two lines of rainbow trout divergently selected for muscle fat content. <i>General and Comparative Endocrinology</i> , 2014 , 204, 49-59	3	26
65	Response of hepatic lipid and glucose metabolism to a mixture or single fatty acids: Possible presence of fatty acid-sensing mechanisms. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013 , 164, 241-8	2.6	26
64	Acute rapamycin treatment improved glucose tolerance through inhibition of hepatic gluconeogenesis in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R1231-8	3.2	26
63	Effect of acute and chronic insulin administrations on major factors involved in the control of muscle protein turnover in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>General and Comparative Endocrinology</i> , 2011 , 172, 363-70	3	26
62	Looking at the metabolic consequences of the colchicine-based in vivo autophagic flux assay. <i>Autophagy</i> , 2016 , 12, 343-56	10.2	25
61	High dietary lipid level is associated with persistent hyperglycaemia and downregulation of muscle Akt-mTOR pathway in Senegalese sole (<i>Solea senegalensis</i>). <i>PLoS ONE</i> , 2014 , 9, e102196	3.7	25
60	DNA haplotype-dependent differences in the amino acid sequence of debrisoquine 4-hydroxylase (CYP2D6): evidence for two major allozymes in extensive metabolisers. <i>Human Genetics</i> , 1994 , 94, 401-6	6.3	25
59	New Insights on Intermediary Metabolism for a Better Understanding of Nutrition in Teleosts. <i>Annual Review of Animal Biosciences</i> , 2019 , 7, 195-220	13.7	25
58	How Tom Moon's research highlighted the question of glucose tolerance in carnivorous fish. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016 , 199, 43-49	2.3	24
57	Dietary glucose stimulus at larval stage modifies the carbohydrate metabolic pathway in gilthead seabream (<i>Sparus aurata</i>) juveniles: An in vivo approach using (14)C-starch. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016 , 201, 189-199	2.6	22
56	The concentration of plasma metabolites varies throughout reproduction and affects offspring number in wild brown trout (<i>Salmo trutta</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015 , 184, 90-6	2.6	21
55	Liver and intestine oxidative status of gilthead sea bream fed vegetable oil and carbohydrate rich diets. <i>Aquaculture</i> , 2016 , 464, 665-672	4.4	21
54	Exposure to an acute hypoxic stimulus during early life affects the expression of glucose metabolism-related genes at first-feeding in trout. <i>Scientific Reports</i> , 2017 , 7, 363	4.9	19
53	Glucose metabolism ontogenesis in rainbow trout (<i>Oncorhynchus mykiss</i>) in the light of the recently sequenced genome: new tools for intermediary metabolism programming. <i>Journal of Experimental Biology</i> , 2016 , 219, 734-43	3	19
52	Glucose metabolic gene expression in growth hormone transgenic coho salmon. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014 , 170, 38-45	2.6	18

51	Dietary fat level modifies the expression of hepatic genes in juvenile rainbow trout (<i>Oncorhynchus mykiss</i>) as revealed by microarray analysis. <i>Aquaculture</i> , 2008 , 275, 235-241	4.4	18
50	Macronutrient composition of the diet affects the feeding-mediated down regulation of autophagy in muscle of rainbow trout (<i>O. mykiss</i>). <i>PLoS ONE</i> , 2013 , 8, e74308	3.7	18
49	Vegetable oil and carbohydrate-rich diets marginally affected intestine histomorphology, digestive enzymes activities, and gut microbiota of gilthead sea bream juveniles. <i>Fish Physiology and Biochemistry</i> , 2019 , 45, 681-695	2.7	18
48	Hepatic glucose metabolic responses to digestible dietary carbohydrates in two isogenic lines of rainbow trout. <i>Biology Open</i> , 2018 , 7,	2.2	18
47	Long-term programming effect of embryonic hypoxia exposure and high-carbohydrate diet at first feeding on glucose metabolism in juvenile rainbow trout. <i>Journal of Experimental Biology</i> , 2017 , 220, 3686-3694	3	17
46	DNA methylation of the promoter region of <i>bnip3</i> and <i>bnip3l</i> genes induced by metabolic programming. <i>BMC Genomics</i> , 2018 , 19, 677	4.5	17
45	Eating for two: Consequences of parental methionine nutrition on offspring metabolism in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 2017 , 471, 80-91	4.4	16
44	Effects of alternate feeding with different lipid sources on fatty acid composition and bioconversion in European sea bass (<i>Dicentrarchus labrax</i>). <i>Aquaculture</i> , 2016 , 464, 28-36	4.4	16
43	Glucose and lipid metabolism in the pancreas of rainbow trout is regulated at the molecular level by nutritional status and carbohydrate intake. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012 , 182, 507-16	2.2	16
42	Evolutionary history of DNA methylation related genes in chordates: new insights from multiple whole genome duplications. <i>Scientific Reports</i> , 2020 , 10, 970	4.9	15
41	Dietary methionine deficiency affects oxidative status, mitochondrial integrity and mitophagy in the liver of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Scientific Reports</i> , 2018 , 8, 10151	4.9	15
40	Regulation by Dietary Carbohydrates of Intermediary Metabolism in Liver and Muscle of Two Isogenic Lines of Rainbow Trout. <i>Frontiers in Physiology</i> , 2018 , 9, 1579	4.6	14
39	Chaperone-Mediated Autophagy in the Light of Evolution: Insight from Fish. <i>Molecular Biology and Evolution</i> , 2020 , 37, 2887-2899	8.3	13
38	Rainbow trout prefer diets rich in omega-3 long chain polyunsaturated fatty acids DHA and EPA. <i>Physiology and Behavior</i> , 2020 , 213, 112692	3.5	13
37	A reassessment of the carnivorous status of salmonids: Hepatic glucokinase is expressed in wild fish in Kerguelen Islands. <i>Science of the Total Environment</i> , 2018 , 612, 276-285	10.2	12
36	Long-term feeding a plant-based diet devoid of marine ingredients strongly affects certain key metabolic enzymes in the rainbow trout liver. <i>Fish Physiology and Biochemistry</i> , 2016 , 42, 771-85	2.7	11
35	Hepatic fatty acid biosynthesis is more responsive to protein than carbohydrate in rainbow trout during acute stimulations. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R74-86	3.2	11
34	Profiling the rainbow trout hepatic miRNAome under diet-induced hyperglycemia. <i>Physiological Genomics</i> , 2019 , 51, 411-431	3.6	10

33	Induction of glucokinase in chicken liver by dietary carbohydrates. <i>General and Comparative Endocrinology</i> , 2008 , 158, 173-7	3	10
32	Ontogenesis of metabolic gene expression in whiteleg shrimp (<i>Litopenaeus vannamei</i>): New molecular tools for programming in the future. <i>Aquaculture</i> , 2017 , 479, 142-149	4.4	9
31	Postprandial kinetics of gene expression of proteins involved in the digestive process in rainbow trout (<i>O. mykiss</i>) and impact of diet composition. <i>Fish Physiology and Biochemistry</i> , 2016 , 42, 1187-202	2.7	9
30	Evolutionary history of glucose-6-phosphatase encoding genes in vertebrate lineages: towards a better understanding of the functions of multiple duplicates. <i>BMC Genomics</i> , 2017 , 18, 342	4.5	9
29	Modeling of autophagy-related gene expression dynamics during long term fasting in European eel (<i>Anguilla anguilla</i>). <i>Scientific Reports</i> , 2017 , 7, 17896	4.9	8
28	The Autophagic Flux Inhibitor Bafilomycine A1 Affects the Expression of Intermediary Metabolism-Related Genes in Trout Hepatocytes. <i>Frontiers in Physiology</i> , 2019 , 10, 263	4.6	7
27	Programming of the glucose metabolism in rainbow trout juveniles after chronic hypoxia at hatching stage combined with a high dietary carbohydrate: Protein ratios intake at first-feeding. <i>Aquaculture</i> , 2018 , 488, 1-8	4.4	7
26	Positive impact of moderate food restriction on reproductive success of the rainbow trout <i>Oncorhynchus mykiss</i> . <i>Aquaculture</i> , 2019 , 502, 280-288	4.4	7
25	Composition of Intestinal Microbiota in Two Lines of Rainbow Trout () Divergently Selected for Muscle Fat Content. <i>Open Microbiology Journal</i> , 2018 , 12, 308-320	0.8	7
24	Food Shortage Causes Differential Effects on Body Composition and Tissue-Specific Gene Expression in Salmon Modified for Increased Growth Hormone Production. <i>Marine Biotechnology</i> , 2015 , 17, 753-67	3.4	6
23	Nutritional history does not modulate hepatic oxidative status of European sea bass (<i>Dicentrarchus labrax</i>) submitted to handling stress. <i>Fish Physiology and Biochemistry</i> , 2018 , 44, 911-918	2.7	6
22	Higher glycolytic capacities in muscle of carnivorous rainbow trout juveniles after high dietary carbohydrate stimulus at first feeding. <i>Nutrition and Metabolism</i> , 2019 , 16, 77	4.6	5
21	Positive Impact of Thermal Manipulation During Embryogenesis on Foie Gras Production in Mule Ducks. <i>Frontiers in Physiology</i> , 2019 , 10, 1495	4.6	5
20	Influence of Dietary Astaxanthin on the Hepatic Oxidative Stress Response Caused by Episodic Hyperoxia in Rainbow Trout. <i>Antioxidants</i> , 2019 , 8,	7.1	5
19	Impact of Dietary Carbohydrate/Protein Ratio on Hepatic Metabolism in Land-Locked Atlantic Salmon (<i>L.</i>). <i>Frontiers in Physiology</i> , 2018 , 9, 1751	4.6	5
18	Glucose Injection Into Yolk Positively Modulates Intermediary Metabolism and Growth Performance in Juvenile Nile Tilapia (). <i>Frontiers in Physiology</i> , 2020 , 11, 286	4.6	4
17	Nutritional regulation of glucose metabolism-related genes in the emerging teleost model Mexican tetra surface fish: a first exploration. <i>Royal Society Open Science</i> , 2020 , 7, 191853	3.3	4
16	Ontogeny of hepatic metabolism in mule ducks highlights different gene expression profiles between carbohydrate and lipid metabolic pathways. <i>BMC Genomics</i> , 2020 , 21, 742	4.5	3

15	Experimental evidence of population differences in reproductive investment conditional on environmental stochasticity. <i>Science of the Total Environment</i> , 2016 , 541, 143-148	10.2	3
14	Early feeding of rainbow trout (<i>Oncorhynchus mykiss</i>) with methionine-deficient diet over a 2-week period: consequences for liver mitochondria in juveniles. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	3
13	Molecular Regulation of Intermediary Metabolism Focusing on Utilization of Dietary Carbohydrates 261-278		3
12	Roles of gender, age at onset and environmental risk in the frequency of CYP2D6-deficient alleles in patients with Parkinson's disease. <i>European Neurology</i> , 2002 , 48, 114-5	2.1	3
11	Exploring the Impact of a Low-Protein High-Carbohydrate Diet in Mature Broodstock of a Glucose-Intolerant Teleost, the Rainbow Trout. <i>Frontiers in Physiology</i> , 2020 , 11, 303	4.6	2
10	Metabolic programming in juveniles of the whiteleg shrimp (<i>Litopenaeus vannamei</i>) linked to an early feed restriction at the post-larval stage. <i>Aquaculture</i> , 2018 , 495, 328-338	4.4	2
9	Early feeding with hyperglucidic diet during fry stage exerts long-term positive effects on nutrient metabolism and growth performance in adult tilapia (<i>Oreochromis niloticus</i>). <i>Journal of Nutritional Science</i> , 2020 , 9, e41	2.7	2
8	Functional Genomic Analysis of the Nutritional and Hormonal Regulation of Fish Glucose and Lipid Metabolism 2012 , 129-145		1
7	Hepatic Glycerol Metabolism-Related Genes in Carnivorous Rainbow Trout (<i>Oncorhynchus mykiss</i>): Insights Into Molecular Characteristics, Ontogenesis, and Nutritional Regulation. <i>Frontiers in Physiology</i> , 2020 , 11, 882	4.6	1
6	The rainbow trout genome, an important landmark for aquaculture and genome evolution 2016 , 21-43		1
5	Why Do Some Rainbow Trout Genotypes Grow Better With a Complete Plant-Based Diet? Transcriptomic and Physiological Analyses on Three Isogenic Lines. <i>Frontiers in Physiology</i> , 2021 , 12, 732321	4.6	1
4	Molecular genetics of cytochrome P450 IID. Anomalies of drug metabolism. <i>Clinical Reviews in Allergy and Immunology</i> , 1995 , 13, 211-21	12.3	1
3	Long-term impact of a 4-day feed restriction at the protozoa stage on metabolic gene expressions of whiteleg shrimp (<i>Litopenaeus vannamei</i>). <i>PeerJ</i> , 2020 , 8, e8715	3.1	0
2	No adverse effect of a maternal high carbohydrate diet on their offspring, in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>PeerJ</i> , 2021 , 9, e12102	3.1	0
1	Impacts of Embryonic Thermal Programming on the Expression of Genes Involved in Production in Mule Ducks.. <i>Frontiers in Physiology</i> , 2021 , 12, 779689	4.6	0