

Stephane Panserat

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4540439/stephane-panserat-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

5,899
citations

45
h-index

71
g-index

147
ext. papers

6,884
ext. citations

3.9
avg, IF

5.82
L-index

#	Paper	IF	Citations
140	No adverse effect of a maternal high carbohydrate diet on their offspring, in rainbow trout (). <i>PeerJ</i> , 2021 , 9, e12102	3.1	0
139	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
138	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
137	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
136	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
135	Chaperone-Mediated Autophagy in the Light of Evolution: Insight from Fish. <i>Molecular Biology and Evolution</i> , 2020 , 37, 2887-2899	8.3	13
134	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
133	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
132	Long-term impact of a 4-day feed restriction at the protozoa stage on metabolic gene expressions of whiteleg shrimp (). <i>PeerJ</i> , 2020 , 8, e8715	3.1	0
131	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
130	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
129	Early feeding with hyperglucidic diet during fry stage exerts long-term positive effects on nutrient metabolism and growth performance in adult tilapia (). <i>Journal of Nutritional Science</i> , 2020 , 9, e41	2.7	2
128	Hepatic Glycerol Metabolism-Related Genes in Carnivorous Rainbow Trout (): Insights Into Molecular Characteristics, Ontogenesis, and Nutritional Regulation. <i>Frontiers in Physiology</i> , 2020 , 11, 882	4.6	1
127	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
126	Profiling the rainbow trout hepatic miRNAome under diet-induced hyperglycemia. <i>Physiological Genomics</i> , 2019 , 51, 411-431	3.6	10
125	Early feeding of rainbow trout () 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
124	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

123	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
122	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
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	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
112	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
111	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
110	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
109	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
108	Hepatic glucose metabolic responses to digestible dietary carbohydrates in two isogenic lines of rainbow trout. <i>Biology Open</i> , 2018 , 7,	2.2	18
107	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
106	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

105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	Looking at the metabolic consequences of the colchicine-based in vivo autophagic flux assay. <i>Autophagy</i> , 2016 , 12, 343-56	10.2	25
92	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
91	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
90	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
89	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
88	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

87	The rainbow trout genome, an important landmark for aquaculture and genome evolution 2016 , 21-43		1
86	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, 32187-9	4.9	31
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	Metabolic consequences of microRNA-122 inhibition in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>BMC Genomics</i> , 2014 , 15, 70	4.5	39
70	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

69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	Nutritional regulation of glucokinase: a cross-species story. <i>Nutrition Research Reviews</i> , 2014 , 27, 21-47	7	36
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	Postprandial regulation of growth- and metabolism-related factors in zebrafish. <i>Zebrafish</i> , 2013 , 10, 237-48		39
53	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
52	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

51	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
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	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
48	Functional Genomic Analysis of the Nutritional and Hormonal Regulation of Fish Glucose and Lipid Metabolism 2012 , 129-145		1
47	Amino acids downregulate the expression of several autophagy-related genes in rainbow trout myoblasts. <i>Autophagy</i> , 2012 , 8, 364-75	10.2	43
46	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
45	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
44	High levels of dietary fat impair glucose homeostasis in rainbow trout. <i>Journal of Experimental Biology</i> , 2012 , 215, 169-78	3	63
43	Postprandial regulation of hepatic microRNAs predicted to target the insulin pathway in rainbow trout. <i>PLoS ONE</i> , 2012 , 7, e38604	3.7	65
42	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
41	The metabolic consequences of hepatic AMP-kinase phosphorylation in rainbow trout. <i>PLoS ONE</i> , 2011 , 6, e20228	3.7	57
40	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
39	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
38	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
37	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
36	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
35	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
34	Regulation of gene expression by nutritional factors in fish. <i>Aquaculture Research</i> , 2010 , 41, 751-762	1.9	62

33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	Nutritional regulation of hepatic glucose metabolism in fish. <i>Fish Physiology and Biochemistry</i> , 2009 , 35, 519-39	2.7	302
25	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
24	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
23	Induction of glucokinase in chicken liver by dietary carbohydrates. <i>General and Comparative Endocrinology</i> , 2008 , 158, 173-7	3	10
22	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
21	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
20	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
19	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
18	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
17	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
16	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

15	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
14	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
13	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
12	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	1.0	101
11	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
10	Effects of dietary amino acid profile on growth performance, key metabolic enzymes and somatotrophic axis responsiveness of gilthead sea bream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2003 , 220, 749-764	4.4	125
9	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
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	Molecular Regulation of Intermediary Metabolism Focusing on Utilization of Dietary Carbohydrates	261-278	3