# Stephane Panserat

List of Publications by Year
in descending order



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|---|---|---|---|
| 144 papers | 7,623 citations | 38660 50 h-index | 60497 81 g-index |
| 147 all docs | 147 docs citations | 147 times ranked | 6033 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Glucose metabolism in fish: a review. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 1015-1045. | 0.7 | 641 |
| 2 | Nutritional regulation of hepatic glucose metabolism in fish. Fish Physiology and Biochemistry, 2009, 35, 519-539. | 0.9 | 394 |
| 3 | Utilisation of dietary carbohydrates in farmed fishes: New insights on influencing factors, biological limitations and future strategies. Aquaculture, 2017, 467, 3-27. | 1.7 | 369 |
| 4 | Replacing dietary fish oil by vegetable oils has little effect on lipogenesis, lipid transport and tissue lipid uptake in rainbow trout (Oncorhynchus mykiss). British Journal of Nutrition, 2006, 96, 299-309. | 1.2 | 172 |
| 5 | An in vivo and in vitro assessment of TOR signaling cascade in rainbow trout (<i>Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 295, R329-R335. | 0.9 | 153 |
| 6 | Effects of dietary amino acid profile on growth performance, key metabolic enzymes and somatotropic axis responsiveness of gilthead sea bream (Sparus aurata). Aquaculture, 2003, 220, 749-767. | 1.7 | 142 |
| 7 | Lack of significant long-term effect of dietary carbohydrates on hepatic glucose-6-phosphatase expression in rainbow trout (Oncorhynchus mykiss)11The Genbank accession number for the rainbow trout G6Pase sequence is AF120150.. Journal of Nutritional Biochemistry, 2000, 11, 22-29. | 1.9 | 135 |
| 8 | Regulation of metabolism by dietary carbohydrates in two lines of rainbow trout divergently selected for muscle fat content. Journal of Experimental Biology, 2012, 215, 2567-2578. | 0.8 | 126 |
| 9 | Differential gene expression after total replacement of dietary fish meal and fish oil by plant products in rainbow trout (Oncorhynchus mykiss) liver. Aquaculture, 2009, 294, 123-131. | 1.7 | 123 |
| 10 | Integration of insulin and amino acid signals that regulate hepatic metabolism-related gene expression in rainbow trout: role of TOR. Amino Acids, 2010, 39, 801-810. | 1.2 | 123 |
| 11 | Growth performance and metabolic utilization of diets with native and waxy maize starch by gilthead sea bream (Sparus aurata) juveniles. Aquaculture, 2008, 274, 101-108. | 1.7 | 121 |
| 12 | 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. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R733-R743. | 0.9 | 113 |
| 13 | Dietary Carbohydrate Utilization by European Sea Bass (<i>Dicentrarchus labrax</i>L.) and Gilthead Sea Bream (<i>Sparus aurata</i>L.) Juveniles. Reviews in Fisheries Science, 2011, 19, 201-215. | 2.1 | 111 |
| 14 | Rainbow trout genetically selected for greater muscle fat content display increased activation of liver TOR signaling and lipogenic gene expression. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1421-R1429. | 0.9 | 109 |
| 15 | Effect of dietary carbohydrate-to-lipid ratios on growth, lipid deposition and metabolic hepatic enzymes in juvenile Senegalese sole (Solea senegalensis, Kaup). Aquaculture Research, 2004, 35, 1122-1130. | 0.9 | 107 |
| 16 | High or low dietary carbohydrate:protein ratios during first-feeding affect glucose metabolism and intestinal microbiota in juvenile rainbow trout. Journal of Experimental Biology, 2014, 217, 3396-3406. | 0.8 | 107 |
| 17 | Insulin regulates the expression of several metabolism-related genes in the liver and primary hepatocytes of rainbow trout (<i>Oncorhynchus mykiss</i>). Journal of Experimental Biology, 2008, 211, 2510-2518. | 0.8 | 100 |
| 18 | ÊŸ-Leucine, ÊŸ-Methionine, and ÊŸ-Lysine Are Involved in the Regulation of Intermediary Metabolism-Related Gene Expression in Rainbow Trout Hepatocytes,. Journal of Nutrition, 2011, 141, 75-80. | 1.3 | 98 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Low Protein Intake Is Associated with Reduced Hepatic Gluconeogenic Enzyme Expression in Rainbow Trout (Oncorhynchus mykiss). Journal of Nutrition, 2003, 133, 2561-2564. | 1.3 | 93 |
| 20 | The Positive Impact of the Early-Feeding of a Plant-Based Diet on Its Future Acceptance and Utilisation in Rainbow Trout. PLoS ONE, 2013, 8, e83162. | 1.1 | 92 |
| 21 | Dietary methionine availability affects the main factors involved in muscle protein turnover in rainbow trout (<i>Oncorhynchus mykiss</i>). British Journal of Nutrition, 2014, 112, 493-503. | 1.2 | 88 |
| 22 | Postprandial Regulation of Hepatic MicroRNAs Predicted to Target the Insulin Pathway in Rainbow Trout. PLoS ONE, 2012, 7, e38604. | 1.1 | 86 |
| 23 | New insights into the nutritional regulation of gluconeogenesis in carnivorous rainbow trout (<i>Oncorhynchus mykiss</i>): a gene duplication trail. Physiological Genomics, 2015, 47, 253-263. | 1.0 | 85 |
| 24 | High levels of dietary fat impair glucose homeostasis in rainbow trout. Journal of Experimental Biology, 2012, 215, 169-178. | 0.8 | 84 |
| 25 | Feeding Status Regulates the Polyubiquitination Step of the Ubiquitin-Proteasome-Dependent Proteolysis in Rainbow Trout (Oncorhynchus mykiss) Muscle. Journal of Nutrition, 2008, 138, 487-491. | 1.3 | 80 |
| 26 | Hepatic gene expression profiles in juvenile rainbow trout (<i>Oncorhynchus mykiss</i>) fed fishmeal or fish oil-free diets. British Journal of Nutrition, 2008, 100, 953-967. | 1.2 | 78 |
| 27 | Hepatic protein kinase B (Akt)â€“target of rapamycin (TOR)-signalling pathways and intermediary metabolism in rainbow trout ( Oncorhynchus mykiss) are not significantly affected by feeding plant-based diets. British Journal of Nutrition, 2009, 102, 1564. | 1.2 | 77 |
| 28 | Regulation of gene expression by nutritional factors in fish. Aquaculture Research, 2010, 41, 751-762. | 0.9 | 77 |
| 29 | Muscle insulin binding and plasma levels in relation to liver glucokinase activity, glucose metabolism and dietary carbohydrates in rainbow trout. Regulatory Peptides, 2003, 110, 123-132. | 1.9 | 76 |
| 30 | Molecular pathways associated with the nutritional programming of plant-based diet acceptance in rainbow trout following an early feeding exposure. BMC Genomics, 2016, 17, 449. | 1.2 | 72 |
| 31 | Altered dietary carbohydrates significantly affect gene expression of the major glucosensing components in Brockmann bodies and hypothalamus of rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1077-R1088. | 0.9 | 71 |
| 32 | An in vivo and in vitro assessment of autophagy-related gene expression in muscle of rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 157, 258-266. | 0.7 | 69 |
| 33 | Molecular regulation of lipid metabolism in liver and muscle of rainbow trout subjected to acute and chronic insulin treatments. Domestic Animal Endocrinology, 2010, 39, 26-33. | 0.8 | 65 |
| 34 | The Metabolic Consequences of Hepatic AMP-Kinase Phosphorylation in Rainbow Trout. PLoS ONE, 2011, 6, e20228. | 1.1 | 65 |
| 35 | Adaptation of Nile tilapia (Oreochromis niloticus) to different levels of dietary carbohydrates: New insights from a long term nutritional study. Aquaculture, 2018, 496, 58-65. | 1.7 | 64 |
| 36 | Insulin-induced hypoglycaemia is co-ordinately regulated by liver and muscle during acute and chronic insulin stimulation in rainbow trout (<i>Oncorhynchus mykiss</i>). Journal of Experimental Biology, 2010, 213, 1443-1452. | 0.8 | 63 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | The role of hepatic, renal and intestinal gluconeogenic enzymes in glucose homeostasis of juvenile rainbow trout. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2008, 178, 429-438. | 0.7 | 62 |
| 38 | Regulation of glucose and lipid metabolism by dietary carbohydrate levels and lipid sources in gilthead sea bream juveniles. British Journal of Nutrition, 2016, 116, 19-34. | 1.2 | 62 |
| 39 | Apparent low ability of liver and muscle to adapt to variation of dietary carbohydrate:protein ratio in rainbow trout (<i>Oncorhynchus mykiss</i>). British Journal of Nutrition, 2013, 109, 1359-1372. | 1.2 | 61 |
| 40 | Remodelling of the hepatic epigenetic landscape of glucose-intolerant rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.6 | 61 |
| 41 | Dietary methionine imbalance alters the transcriptional regulation of genes involved in glucose, lipid and amino acid metabolism in the liver of rainbow trout (Oncorhynchus mykiss). Aquaculture, 2016, 454, 56-65. | 1.7 | 61 |
| 42 | The effects of dietary carbohydrate sources and forms on metabolic response and intestinal microbiota in sea bass juveniles, Dicentrarchus labrax. Aquaculture, 2014, 422-423, 47-53. | 1.7 | 60 |
| 43 | High Dietary Lipids Induce Liver Glucose-6-Phosphatase Expression in Rainbow Trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlo | 1.3 | 59 |
| 44 | Glucose homeostasis in rainbow trout fed a high-carbohydrate diet: metformin and insulin interact in a tissue-dependent manner. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R166-R174. | 0.9 | 57 |
| 45 | Feeding rainbow trout with a lipid-enriched diet: effects on fatty acid sensing, regulation of food intake, and cellular signaling pathways. Journal of Experimental Biology, 2015, 218, 2610-9. | 0.8 | 56 |
| 46 | Amino Acids Attenuate Insulin Action on Gluconeogenesis and Promote Fatty Acid Biosynthesis via mTORC1 Signaling Pathway in trout Hepatocytes. Cellular Physiology and Biochemistry, 2015, 36, 1084-1100. | 1.1 | 54 |
| 47 | Postprandial regulation of hepatic glucokinase and lipogenesis requires the activation of TORC1 signaling in rainbow trout (Oncorhynchus mykiss). Journal of Experimental Biology, 2013, 216, 4483-92. | 0.8 | 53 |
| 48 | Dietary carbohydrate and lipid source affect cholesterol metabolism of European sea bass (<i>Dicentrarchus labrax</i>) juveniles. British Journal of Nutrition, 2015, 114, 1143-1156. | 1.2 | 53 |
| 49 | Molecular responses of Nile tilapia ( Oreochromis niloticus ) to different levels of dietary carbohydrates. Aquaculture, 2018, 482, 117-123. | 1.7 | 53 |
| 50 | Insulin Stimulates Lipogenesis and Attenuates Betaâ€Oxidation in White Adipose Tissue of Fed Rainbow Trout. Lipids, 2011, 46, 189-199. | 0.7 | 52 |
| 51 | Metabolism and Fatty Acid Profile in Fat and Lean Rainbow Trout Lines Fed with Vegetable Oil: Effect of Carbohydrates. PLoS ONE, 2013, 8, e76570. | 1.1 | 52 |
| 52 | 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. British Journal of Nutrition, 2015, 113, 403-413. | 1.2 | 52 |
| 53 | Comparison of Glucose and Lipid Metabolic Gene Expressions between Fat and Lean Lines of Rainbow Trout after a Glucose Load. PLoS ONE, 2014, 9, e105548. | 1.1 | 51 |
| 54 | Amino acids downregulate the expression of several autophagy-related genes in rainbow trout myoblasts. Autophagy, 2012, 8, 364-375. | 4.3 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | 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. Aquaculture Nutrition, 2015, 21, 592-603. | 1.1 | 47 |
| 56 | Postprandial Regulation of Growth- and Metabolism-Related Factors in Zebrafish. Zebrafish, 2013, 10, 237-248. | 0.5 | 46 |
| 57 | Nutritional regulation of glucokinase: a cross-species story. Nutrition Research Reviews, 2014, 27, 21-47. | 2.1 | 46 |
| 58 | New Insights on Intermediary Metabolism for a Better Understanding of Nutrition in Teleosts. Annual Review of Animal Biosciences, 2019, 7, 195-220. | 3.6 | 46 |
| 59 | Metabolic consequences of microRNA-122 inhibition in rainbow trout, Oncorhynchus mykiss. BMC Genomics, 2014, 15, 70. | 1.2 | 45 |
| 60 | Dietary carbohydrate and lipid sources affect differently the oxidative status of European sea bass (<i>Dicentrarchus labrax</i>) juveniles. British Journal of Nutrition, 2015, 114, 1584-1593. | 1.2 | 45 |
| 61 | Ontogenesis of expression of metabolic genes and microRNAs in rainbow trout alevins during the transition from the endogenous to the exogenous feeding period. Journal of Experimental Biology, 2013, 216, 1597-608. | 0.8 | 43 |
| 62 | Effects of fish oil replacement by vegetable oil blend on digestive enzymes and tissue histomorphology of European sea bass (Dicentrarchus labrax) juveniles. Fish Physiology and Biochemistry, 2016, 42, 203-217. | 0.9 | 42 |
| 63 | Muscle catabolic capacities and global hepatic epigenome are modified in juvenile rainbow trout fed different vitamin levels at first feeding. Aquaculture, 2017, 468, 515-523. | 1.7 | 42 |
| 64 | Cloning and tissue distribution of a carnitine palmitoyltransferase I gene in rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 135, 139-151. | 0.7 | 41 |
| 65 | Effects of insulin infusion on glucose homeostasis and glucose metabolism in rainbow trout fed a high-carbohydrate diet. Journal of Experimental Biology, 2010, 213, 4151-4157. | 0.8 | 40 |
| 66 | Acute endocrine and nutritional co-regulation of the hepatic omy-miRNA-122b and the lipogenic gene fas in rainbow trout, Oncorhynchus mykiss. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 169, 16-24. | 0.7 | 40 |
| 67 | Glucose homeostasis is impaired by a paradoxical interaction between metformin and insulin in carnivorous rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1769-R1776. | 0.9 | 39 |
| 68 | A comparative study of the metabolic response in rainbow trout and Nile tilapia to changes in dietary macronutrient composition. British Journal of Nutrition, 2013, 109, 816-826. | 1.2 | 39 |
| 69 | Response of hexokinase enzymes and the insulin system to dietary carbohydrates in the common carp,Cyprinus carpio. Reproduction, Nutrition, Development, 2004, 44, 233-242. | 1.9 | 37 |
| 70 | Glucose overload in yolk has little effects on the long term modulation of carbohydrate metabolic genes in zebrafish (<i>Danio rerio</i>). Journal of Experimental Biology, 2014, 217, 1139-49. | 0.8 | 37 |
| 71 | Selection for high muscle fat in rainbow trout induces potentially higher chylomicron synthesis and PUFA biosynthesis in the intestine. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 417-427. | 0.8 | 36 |
| 72 | Looking at the metabolic consequences of the colchicine-based in vivo autophagic flux assay. Autophagy, 2016, 12, 343-356. | 4.3 | 35 |

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| 73 | High-glucose feeding of gilthead seabream (Sparus aurata) larvae: Effects on molecular and metabolic pathways. Aquaculture, 2016, 451, 241-253. | 1.7 | 35 |
| 74 | Regulation of de novo hepatic lipogenesis by insulin infusion in rainbow trout fed a high-carbohydrate diet1. Journal of Animal Science, 2011, 89, 3079-3088. | 0.2 | 34 |
| 75 | Dietary Lipid and Carbohydrate Interactions: Implications on Lipid and Glucose Absorption, Transport in Gilthead Sea Bream (<i>Sparus aurata</i>) Juveniles. Lipids, 2016, 51, 743-755. | 0.7 | 34 |
| 76 | Vegetable oil and carbohydrate-rich diets marginally affected intestine histomorphology, digestive enzymes activities, and gut microbiota of gilthead sea bream juveniles. Fish Physiology and Biochemistry, 2019, 45, 681-695. | 0.9 | 34 |
| 77 | Dietary glucose stimulus at larval stage modifies the carbohydrate metabolic pathway in gilthead seabream (Sparus aurata) juveniles: An in vivo approach using 14C-starch. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 201, 189-199. | 0.8 | 33 |
| 78 | High Dietary Lipid Level Is Associated with Persistent Hyperglycaemia and Downregulation of Muscle Akt-mTOR Pathway in Senegalese Sole (Solea senegalensis). PLoS ONE, 2014, 9, e102196. | 1.1 | 32 |
| 79 | Insulin regulates lipid and glucose metabolism similarly in two lines of rainbow trout divergently selected for muscle fat content. General and Comparative Endocrinology, 2014, 204, 49-59. | 0.8 | 31 |
| 80 | CYP2D6 polymorphism in a Gabonese population: contribution of the CYP2D6*2 and CYP2D6*17 alleles to the high prevalence of the intermediate metabolic phenotype. British Journal of Clinical Pharmacology, 1999, 47, 121-124. | 1.1 | 30 |
| 81 | How Tom Moon's research highlighted the question of glucose tolerance in carnivorous fish. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 199, 43-49. | 0.7 | 30 |
| 82 | DNA haplotype-dependent differences in the amino acid sequence of debrisoquine 4-hydroxylase (CYP2D6): evidence for two major allozymes in extensive metabolisers. Human Genetics, 1994, 94, 401-6. | 1.8 | 29 |
| 83 | Liver and intestine oxidative status of gilthead sea bream fed vegetable oil and carbohydrate rich diets. Aquaculture, 2016, 464, 665-672. | 1.7 | 29 |
| 84 | Evolutionary history of glucose-6-phosphatase encoding genes in vertebrate lineages: towards a better understanding of the functions of multiple duplicates. BMC Genomics, 2017, 18, 342. | 1.2 | 29 |
| 85 | Chaperone-Mediated Autophagy in the Light of Evolution: Insight from Fish. Molecular Biology and Evolution, 2020, 37, 2887-2899. | 3.5 | 29 |
| 86 | Effect of acute and chronic insulin administrations on major factors involved in the control of muscle protein turnover in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2011, 172, 363-370. | 0.8 | 28 |
| 87 | Regulation by Dietary Carbohydrates of Intermediary Metabolism in Liver and Muscle of Two Isogenic Lines of Rainbow Trout. Frontiers in Physiology, 2018, 9, 1579. | 1.3 | 28 |
| 88 | Acute rapamycin treatment improved glucose tolerance through inhibition of hepatic gluconeogenesis in rainbow trout (<i>Oncorhynchus mykiss</i>). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1231-R1238. | 0.9 | 27 |
| 89 | The concentration of plasma metabolites varies throughout reproduction and affects offspring number in wild brown trout (Salmo trutta). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 184, 90-96. | 0.8 | 27 |
| 90 | Long-term programming effect of early hypoxia and high carbohydrate diet at first-feeding on glucose metabolism in rainbow trout juveniles. Journal of Experimental Biology, 2017, 220, 3686-3694. | 0.8 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | DNA methylation of the promoter region of bnip3 and bnip3l genes induced by metabolic programming. BMC Genomics, 2018, 19, 677. | 1.2 | 27 |
| 92 | Rainbow trout prefer diets rich in omega-3 long chain polyunsaturated fatty acids DHA and EPA. Physiology and Behavior, 2020, 213, 112692. | 1.0 | 27 |
| 93 | Response of hepatic lipid and glucose metabolism to a mixture or single fatty acids: Possible presence of fatty acid-sensing mechanisms. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 241-248. | 0.8 | 26 |
| 94 | Effects of alternate feeding with different lipid sources on fatty acid composition and bioconversion in European sea bass (Dicentrarchus labrax). Aquaculture, 2016, 464, 28-36. | 1.7 | 26 |
| 95 | Hepatic glucose metabolic responses to digestible dietary carbohydrates in two isogenic lines of rainbow trout. Biology Open, 2018, 7, . | 0.6 | 26 |
| 96 | Profiling the rainbow trout hepatic miRNAome under diet-induced hyperglycemia. Physiological Genomics, 2019, 51, 411-431. | 1.0 | 26 |
| 97 | Glucose metabolic gene expression in growth hormone transgenic coho salmon. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 170, 38-45. | 0.8 | 25 |
| 98 | Dietary methionine deficiency affects oxidative status, mitochondrial integrity and mitophagy in the liver of rainbow trout (Oncorhynchus mykiss). Scientific Reports, 2018, 8, 10151. | 1.6 | 25 |
| 99 | Evolutionary history of DNA methylation related genes in chordates: new insights from multiple whole genome duplications. Scientific Reports, 2020, 10, 970. | 1.6 | 24 |
| 100 | Exposure to an acute hypoxic stimulus during early life affects the expression of glucose metabolism-related genes at first-feeding in trout. Scientific Reports, 2017, 7, 363. | 1.6 | 23 |
| 101 | Long-term feeding a plant-based diet devoid of marine ingredients strongly affects certain key metabolic enzymes in the rainbow trout liver. Fish Physiology and Biochemistry, 2016, 42, 771-785. | 0.9 | 22 |
| 102 | Glucose metabolism ontogenesis in rainbow trout (<i>Oncorhynchus mykiss</i>) in the light of the recently sequenced genome: new tools for intermediary metabolism programming. Journal of Experimental Biology, 2016, 219, 734-43. | 0.8 | 22 |
| 103 | Eating for two: Consequences of parental methionine nutrition on offspring metabolism in rainbow trout (Oncorhynchus mykiss). Aquaculture, 2017, 471, 80-91. | 1.7 | 22 |
| 104 | Dietary fat level modifies the expression of hepatic genes in juvenile rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.7 | 21 |
| 105 | Glucose and lipid metabolism in the pancreas of rainbow trout is regulated at the molecular level by nutritional status and carbohydrate intake. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 507-516. | 0.7 | 18 |
| 106 | Exploring the Impact of a Low-Protein High-Carbohydrate Diet in Mature Broodstock of a Glucose-Intolerant Teleost, the Rainbow Trout. Frontiers in Physiology, 2020, 11, 303. | 1.3 | 18 |
| 107 | Macronutrient Composition of the Diet Affects the Feeding-Mediated Down Regulation of Autophagy in Muscle of Rainbow Trout (O. mykiss). PLoS ONE, 2013, 8, e74308. | 1.1 | 18 |
| 108 | Ontogenesis of metabolic gene expression in whiteleg shrimp (Litopenaeus vannamei): New molecular tools for programming in the future. Aquaculture, 2017, 479, 142-149. | 1.7 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | A reassessment of the carnivorous status of salmonids: Hepatic glucokinase is expressed in wild fish in Kerguelen Islands. Science of the Total Environment, 2018, 612, 276-285. | 3.9 | 15 |
| 110 | Composition of Intestinal Microbiota in Two Lines of Rainbow Trout (Oncorhynchus Mykiss) Divergently Selected for Muscle Fat Content. Open Microbiology Journal, 2018, 12, 308-320. | 0.2 | 15 |
| 111 | The Autophagic Flux Inhibitor Bafilomycine A1 Affects the Expression of Intermediary Metabolism-Related Genes in Trout Hepatocytes. Frontiers in Physiology, 2019, 10, 263. | 1.3 | 15 |
| 112 | Postprandial kinetics of gene expression of proteins involved in the digestive process in rainbow trout (O. mykiss) and impact of diet composition. Fish Physiology and Biochemistry, 2016, 42, 1187-1202. | 0.9 | 14 |
| 113 | Induction of glucokinase in chicken liver by dietary carbohydrates. General and Comparative Endocrinology, 2008, 158, 173-177. | 0.8 | 13 |
| 114 | Hepatic fatty acid biosynthesis is more responsive to protein than carbohydrate in rainbow trout during acute stimulations. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R74-R86. | 0.9 | 13 |
| 115 | Influence of Dietary Astaxanthin on the Hepatic Oxidative Stress Response Caused by Episodic Hyperoxia in Rainbow Trout. Antioxidants, 2019, 8, 626. | 2.2 | 13 |
| 116 | Positive impact of moderate food restriction on reproductive success of the rainbow trout Oncorhynchus mykiss. Aquaculture, 2019, 502, 280-288. | 1.7 | 13 |
| 117 | Positive Impact of Thermal Manipulation During Embryogenesis on Foie Gras Production in Mule Ducks. Frontiers in Physiology, 2019, 10, 1495. | 1.3 | 12 |
| 118 | Glucose Injection Into Yolk Positively Modulates Intermediary Metabolism and Growth Performance in Juvenile Nile Tilapia (Oreochromis niloticus). Frontiers in Physiology, 2020, 11, 286. | 1.3 | 12 |
| 119 | Modeling of autophagy-related gene expression dynamics during long term fasting in European eel (Anguilla anguilla). Scientific Reports, 2017, 7, 17896. | 1.6 | 10 |
| 120 | Higher glycolytic capacities in muscle of carnivorous rainbow trout juveniles after high dietary carbohydrate stimulus at first feeding. Nutrition and Metabolism, 2019, 16, 77. | 1.3 | 10 |
| 121 | Food Shortage Causes Differential Effects on Body Composition and Tissue-Specific Gene Expression in Salmon Modified for Increased Growth Hormone Production. Marine Biotechnology, 2015, 17, 753-767. | 1.1 | 9 |
| 122 | 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. Aquaculture, 2018, 488, 1-8. | 1.7 | 9 |
| 123 | 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>). Journal of Nutritional Science, 2020, 9, e41. | 0.7 | 9 |
| 124 | Nutritional history does not modulate hepatic oxidative status of European sea bass (Dicentrarchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.9 | 8 |
| 125 | Impact of Dietary Carbohydrate/Protein Ratio on Hepatic Metabolism in Land-Locked Atlantic Salmon (Salmo salar L.). Frontiers in Physiology, 2018, 9, 1751. | 1.3 | 8 |
| 126 | Hepatic Glycerol Metabolism-Related Genes in Carnivorous Rainbow Trout (Oncorhynchus mykiss): Insights Into Molecular Characteristics, Ontogenesis, and Nutritional Regulation. Frontiers in Physiology, 2020, 11, 882. | 1.3 | 8 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 127 | Why Do Some Rainbow Trout Genotypes Grow Better With a Complete Plant-Based Diet? Transcriptomic and Physiological Analyses on Three Isogenic Lines. Frontiers in Physiology, 2021, 12, 732321. | 1.3 | 8 |
| 128 | Metabolic programming in juveniles of the whiteleg shrimp (Litopenaeus vannamei) linked to an early feed restriction at the post-larval stage. Aquaculture, 2018, 495, 328-338. | 1.7 | 6 |
| 129 | Early feeding of rainbow trout (Oncorhynchus mykiss) with methionine deficient diet over a two-week period: consequences for liver mitochondria in juveniles. Journal of Experimental Biology, 2019, 222, . | 0.8 | 6 |
| 130 | Early Phenotype Programming in Birds by Temperature and Nutrition: A Mini-Review. Frontiers in Animal Science, 2022, 2, . | 0.8 | 6 |
| 131 | Roles of Gender, Age at Onset and Environmental Risk in the Frequency of <i>CYP2D6-</i>Deficient Alleles in Patients with Parkinsonâ€™s Disease. European Neurology, 2002, 48, 114-115. | 0.6 | 5 |
| 132 | Experimental evidence of population differences in reproductive investment conditional on environmental stochasticity. Science of the Total Environment, 2016, 541, 143-148. | 3.9 | 5 |
| 133 | Nutritional regulation of glucose metabolism-related genes in the emerging teleost model Mexican tetra surface fish: a first exploration. Royal Society Open Science, 2020, 7, 191853. | 1.1 | 5 |
| 134 | Short-Term Effect of a Low-Protein High-Carbohydrate Diet on Mature Female and Male, and Neomale Rainbow Trout. International Journal of Molecular Sciences, 2021, 22, 6149. | 1.8 | 5 |
| 135 | Modulation of Energy Metabolism and Epigenetic Landscape in Rainbow Trout Fry by a Parental Low Protein/High Carbohydrate Diet. Biology, 2021, 10, 585. | 1.3 | 5 |
| 136 | Ontogeny of hepatic metabolism in mule ducks highlights different gene expression profiles between carbohydrate and lipid metabolic pathways. BMC Genomics, 2020, 21, 742. | 1.2 | 4 |
| 137 | The rainbow trout genome, an important landmark forÂaquaculture and genomeÂevolution. , 2016, , 21-43. | | 3 |
| 138 | Long-term impact of a 4-day feed restriction at the protozoea stage on metabolic gene expressions of whiteleg shrimp (Litopenaeus vannamei). PeerJ, 2020, 8, e8715. | 0.9 | 3 |
| 139 | No adverse effect of a maternal high carbohydrate diet on their offspring, in rainbow trout (<i>Oncorhynchus mykiss</i>). PeerJ, 2021, 9, e12102. | 0.9 | 2 |
| 140 | Impacts of Embryonic Thermal Programming on the Expression of Genes Involved in Foie gras Production in Mule Ducks. Frontiers in Physiology, 2021, 12, 779689. | 1.3 | 2 |
| 141 | On the Utilization of Dietary Glycerol in Carnivorous Fishâ€"Part II: Insights Into Lipid Metabolism of Rainbow Trout (Oncorhynchus mykiss) and European Seabass (Dicentrarchus labrax). Frontiers in Marine Science, 2022, 9, . | 1.2 | 2 |
| 142 | Hepatic Global DNA Hypomethylation Phenotype in Rainbow Trout Fed Diets Varying in Carbohydrate to Protein Ratio. Journal of Nutrition, 2022, 152, 29-39. | 1.3 | 1 |
| 143 | On the Utilization of Dietary Glycerol in Carnivorous Fish - Part I: Insights Into Hepatic Carbohydrate Metabolism of Juvenile Rainbow Trout (Oncorhynchus mykiss) and European Seabass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Ove | 1.2 | 1 |
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