Jose L Soengas

List of Publications by Year
in descending order

186 papers	6,871 citations	53660 45 h-index	82410 72 g-index
187 all docs	187 docs citations	187 times ranked	3690 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	Glucosensing and glucose homeostasis: From fish to mammals. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 160, 123-149.	0.7	241
3	Energy metabolism of fish brain. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 131, 271-296.	0.7	192
4	Time course of osmoregulatory and metabolic changes during osmotic acclimation in Sparus auratus. Journal of Experimental Biology, 2005, 208, 4291-4304.	0.8	169
5	Influence of cortisol on osmoregulation and energy metabolism in gilthead seabreamSparus aurata. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2003, 298A, 105-118.	1.3	122
6	Growth performance of gilthead sea bream Sparus aurata in different osmotic conditions: Implications for osmoregulation and energy metabolism. Aquaculture, 2005, 250, 849-861.	1.7	117
7	Acclimation of<i>S. aurata</i>to various salinities alters energy metabolism of osmoregulatory and nonosmoregulatory organs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R897-R907.	0.9	113
8	Food deprivation alters osmoregulatory and metabolic responses to salinity acclimation in gilthead sea bream Sparus auratus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2006, 176, 441-452.	0.7	112
9	Hypothalamic Integration of Metabolic, Endocrine, and Circadian Signals in Fish: Involvement in the Control of Food Intake. Frontiers in Neuroscience, 2017, 11, 354.	1.4	109
10	Interactive effects of high stocking density and food deprivation on carbohydrate metabolism in several tissues of gilthead sea breamSparus auratus. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 761-775.	1.3	108
11	Central regulation of food intake in fish: an evolutionary perspective. Journal of Molecular Endocrinology, 2018, 60, R171-R199.	1.1	108
12	Energy Metabolism in Fish Tissues Related to Osmoregulation and Cortisol Action. Fish Physiology and Biochemistry, 2002, 27, 179-188.	0.9	103
13	Dietary carbohydrates induce changes in glucosensing capacity and food intake of rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R478-R489.	0.9	95
14	Food deprivation and refeeding in Atlantic salmon,Salmo salar: effects on brain and liver carbohydrate and ketone bodies metabolism. Fish Physiology and Biochemistry, 1996, 15, 491-511.	0.9	94
15	Nutrient Sensing Systems in Fish: Impact on Food Intake Regulation and Energy Homeostasis. Frontiers in Neuroscience, 2016, 10, 603.	1.4	94
16	The response of brain serotonergic and dopaminergic systems to an acute stressor in rainbow trout: a time-course study. Journal of Experimental Biology, 2013, 216, 4435-42.	0.8	90
17	Changes in food intake and glucosensing function of hypothalamus and hindbrain in rainbow trout subjected to hyperglycemic or hypoglycemic conditions. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 829-839.	0.7	89
18	Acute and prolonged stress responses of brain monoaminergic activity and plasma cortisol levels in rainbow trout are modified by PAHs (naphthalene, Î2-naphthoflavone and benzo(a)pyrene) treatment. Aquatic Toxicology, 2008, 86, 341-351.	1.9	86

#	Article	IF	Citations
19	Evidence for the presence of a glucosensor in hypothalamus, hindbrain, and Brockmann bodies of rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1657-R1666.	0.9	81
20	Effect of different glycaemic conditions on gene expression of neuropeptides involved in control of food intake in rainbow trout; interaction with stress. Journal of Experimental Biology, 2010, 213, 3858-3865.	0.8	74
21	Contribution of glucose- and fatty acid sensing systems to the regulation of food intake in fish. A review. General and Comparative Endocrinology, 2014, 205, 36-48.	0.8	73
22	Glucokinase and hexokinase expression and activities in rainbow trout tissues: changes with food deprivation and refeeding. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R810-R821.	0.9	71
23	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
24	Daily changes in parameters of energy metabolism in brain of rainbow trout: Dependence on feeding. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, 265-273.	0.8	67
25	Glucose, Lactate, and bâ€Hydroxybutyrate Utilization by Rainbow Trout Brain: Changes during Food Deprivation. Physiological Zoology, 1998, 71, 285-293.	1.5	64
26	Stress Effects on the Mechanisms Regulating Appetite in Teleost Fish. Frontiers in Endocrinology, 2018, 9, 631.	1.5	64
27	Gut glucose metabolism in rainbow trout: implications in glucose homeostasis and glucosensing capacity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R19-R32.	0.9	63
28	Central leptin treatment modulates brain glucosensing function and peripheral energy metabolism of rainbow trout. Peptides, 2010, 31, 1044-1054.	1.2	61
29	Interactive effects of environmental salinity and temperature on metabolic responses of gilthead sea bream Sparus aurata. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 154, 417-424.	0.8	60
30	Î2-Naphthoflavone and benzo(a)pyrene treatment affect liver intermediary metabolism and plasma cortisol levels in rainbow trout Oncorhynchus mykiss. Ecotoxicology and Environmental Safety, 2008, 69, 180-186.	2.9	58
31	Daily Rhythmic Expression Patterns of<i>Clock1a</i>,<i>Bmal1</i>, and<i>Per1</i>Genes in Retina and Hypothalamus of the Rainbow Trout,<i>Oncorhynchus Mykiss</i>. Chronobiology International, 2011, 28, 381-389.	0.9	56
32	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
33	Brain serotonin and the control of food intake in rainbow trout (Oncorhynchus mykiss): effects of changes in plasma glucose levels. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2002, 188, 479-484.	0.7	55
34	Short-term time course of liver metabolic response to acute handling stress in rainbow trout, Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 168, 40-49.	0.8	54
35	Involvement of lactate in glucose metabolism and glucosensing function in selected tissues of rainbow trout. Journal of Experimental Biology, 2008, 211, 1075-1086.	0.8	53
36	Stress alters food intake and glucosensing response in hypothalamus, hindbrain, liver, and Brockmann bodies of rainbow trout. Physiology and Behavior, 2010, 101, 483-493.	1.0	53

#	Article	IF	Citations
37	Effect of an Acute Exposure to Sublethal Concentrations of Cadmium on Liver Carbohydrate Metabolism of Atlantic Salmon (Salmo salar). Bulletin of Environmental Contamination and Toxicology, 1996, 57, 625-631.	1.3	51
38	Actions of growth hormone on carbohydrate metabolism and osmoregulation of rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2005, 141, 214-225.	0.8	51
39	In vitro evidences for glucosensing capacity and mechanisms in hypothalamus, hindbrain, and Brockmann bodies of rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1410-R1420.	0.9	51
40	A simple and sensitive method for determination of melatonin in plasma, bile and intestinal tissues by high performance liquid chromatography with fluorescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2173-2177.	1.2	51
41	Evidence of a metabolic fatty acid-sensing system in the hypothalamus and Brockmann bodies of rainbow trout: implications in food intake regulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1340-R1350.	0.9	49
42	Naphthalene treatment alters liver intermediary metabolism and levels of steroid hormones in plasma of rainbow trout (Oncorhynchus mykiss). Ecotoxicology and Environmental Safety, 2007, 66, 139-147.	2.9	48
43	Central administration of oleate or octanoate activates hypothalamic fatty acid sensing and inhibits food intake in rainbow trout. Physiology and Behavior, 2014, 129, 272-279.	1.0	48
44	Transport and metabolism of glucose in isolated enterocytes of the black bullhead <i>ictalurus melas</i>: effects of diet and hormone<i>s</i>. Journal of Experimental Biology, 1998, 201, 3263-3273.	0.8	47
45	Development of a microtitre plate indirect ELISA for measuring cortisol in teleosts, and evaluation of stress responses in rainbow trout and gilthead sea bream. Journal of Fish Biology, 2006, 68, 251-263.	0.7	46
46	Gradation of the Stress Response in Rainbow Trout Exposed to Stressors of Different Severity: The Role of Brain Serotonergic and Dopaminergic Systems. Journal of Neuroendocrinology, 2015, 27, 131-141.	1.2	45
47	Ghrelin modulates hypothalamic fatty acid-sensing and control of food intake in rainbow trout. Journal of Endocrinology, 2016, 228, 25-37.	1.2	45
48	Title is missing!. Aquaculture International, 1997, 5, 217-227.	1.1	44
49	Characterization of melatonin synthesis in the gastrointestinal tract of rainbow trout (Oncorhynchus mykiss): distribution, relation with serotonin, daily rhythms and photoperiod regulation. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 471-484.	0.7	43
50	Growth hormone and prolactin actions on osmoregulation and energy metabolism of gilthead sea bream (Sparus auratus). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2006, 144, 491-500.	0.8	42
51	In vitro leptin treatment of rainbow trout hypothalamus and hindbrain affects glucosensing and gene expression of neuropeptides involved in food intake regulation. Peptides, 2011, 32, 232-240.	1.2	42
52	Brain glucose and insulin: effects on food intake and brain biogenic amines of rainbow trout. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2004, 190, 641-9.	0.7	41
53	Osmoregulatory and metabolic changes in the gilthead sea bream Sparus auratus after arginine vasotocin (AVT) treatment. General and Comparative Endocrinology, 2006, 148, 348-358.	0.8	41
54	Oleic Acid and Octanoic Acid Sensing Capacity in Rainbow Trout Oncorhynchus mykiss Is Direct in Hypothalamus and Brockmann Bodies. PLoS ONE, 2013, 8, e59507.	1.1	41

#	Article	IF	Citations
55	Leptin signalling in teleost fish with emphasis in food intake regulation. Molecular and Cellular Endocrinology, 2021, 526, 111209.	1.6	41
56	Daily changes in parameters of energy metabolism in liver, white muscle, and gills of rainbow trout: Dependence on feeding. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 147, 363-374.	0.8	39
57	Oral administration of melatonin counteracts several of the effects of chronic stress in rainbow trout. Domestic Animal Endocrinology, 2014, 46, 26-36.	0.8	39
58	Arginine Vasotocin Treatment Induces a Stress Response and Exerts a Potent Anorexigenic Effect in Rainbow Trout, <i>Oncorhynchus mykiss</i>. Journal of Neuroendocrinology, 2014, 26, 89-99.	1.2	38
59	Evidence for the Presence of Glucosensor Mechanisms Not Dependent on Glucokinase in Hypothalamus and Hindbrain of Rainbow Trout (Oncorhynchus mykiss). PLoS ONE, 2015, 10, e0128603.	1.1	38
60	Neuroendocrine and Immune Responses Undertake Different Fates following Tryptophan or Methionine Dietary Treatment: Tales from a Teleost Model. Frontiers in Immunology, 2017, 8, 1226.	2.2	38
61	Effects of acute and prolonged naphthalene exposure on brain monoaminergic neurotransmitters in rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 144, 173-183.	1.3	37
62	Evidence for arylalkylamine N-acetyltransferase (AANAT2) expression in rainbow trout peripheral tissues with emphasis in the gastrointestinal tract. General and Comparative Endocrinology, 2007, 152, 289-294.	0.8	37
63	Evidence for a Gut-Brain Axis Used by Glucagon-like Peptide-1 to Elicit Hyperglycaemia in Fish. Journal of Neuroendocrinology, 2011, 23, 508-518.	1.2	37
64	Acute effects of L-tryptophan on tryptophan hydroxylation rate in brain regions (hypothalamus and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		35
65	Is gill cortisol concentration a good acute stress indicator in fish? A study in rainbow trout and zebrafish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 188, 65-69.	0.8	34
66	Evidence for the presence in rainbow trout brain of amino acid-sensing systems involved in the control of food intake. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R201-R215.	0.9	34
67	Influence of testosterone administration on osmoregulation and energy metabolism of gilthead sea bream Sparus auratus. General and Comparative Endocrinology, 2006, 149, 30-41.	0.8	31
68	Evidence of sugar sensitive genes in the gut of a carnivorous fish species. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 166, 58-64.	0.7	31
69	Gradual transfer to sea water of rainbow trout: effects on liver carbohydrate metabolism. Journal of Fish Biology, 1995, 47, 466-478.	0.7	30
70	Î²-Naphthoflavone and benzo(a)pyrene alter dopaminergic, noradrenergic, and serotonergic systems in brain and pituitary of rainbow trout (Oncorhynchus mykiss). Ecotoxicology and Environmental Safety, 2009, 72, 191-198.	2.9	30
71	Integration of Nutrient Sensing in Fish Hypothalamus. Frontiers in Neuroscience, 2021, 15, 653928.	1.4	30
72	Effects of food deprivation on 24 h-changes in brain and liver carbohydrate and ketone body metabolism of rainbow trout. Journal of Fish Biology, 2000, 57, 631-646.	0.7	29

#	Article	IF	Citations
73	Potential capacity of Senegalese sole (Solea senegalensis) to use carbohydrates: Metabolic responses to hypo- and hyper-glycaemia. Aquaculture, 2015, 438, 59-67.	1.7	29
74	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
75	Effects of food deprivation on 24h-changes in brain and liver carbohydrate and ketone body metabolism of rainbow trout. Journal of Fish Biology, 2000, 57, 631-646.	0.7	29
76	Changes in carbohydrate metabolism in domesticated rainbow trout (Oncorhynchus mykiss) related to spermatogenesis. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 105, 665-671.	0.2	28
77	Effects of dietary amino acids and repeated handling on stress response and brain monoaminergic neurotransmitters in Senegalese sole (Solea senegalensis) juveniles. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 161, 18-26.	0.8	28
78	Uptake of tryptophan into brain of rainbow trout (Oncorhynchus mykiss). , 1998, 282, 285-289.		27
79	Stress inhibition of melatonin synthesis in the pineal organ of rainbow trout (<i>Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	27
80	Changes in carbohydrate metabolism related to the onset of ovarian recrudescence in dmesticated rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 105, 293-301.	0.7	26
81	Food deprivation and refeeding effects on pineal indoles metabolism and melatonin synthesis in the rainbow trout Oncorhynchus mykiss. General and Comparative Endocrinology, 2008, 156, 410-417.	0.8	26
82	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
83	Title is missing!. Fish Physiology and Biochemistry, 1999, 20, 325-330.	0.9	25
84	Effects of central administration of arginine vasotocin on monoaminergic neurotransmitters and energy metabolism of rainbow trout brain. Journal of Fish Biology, 2004, 64, 1313-1329.	0.7	25
85	Changes in plasma melatonin levels and pineal organ melatonin synthesis following acclimation of rainbow trout (<i>Oncorhynchus mykiss</i>) to different water salinities. Journal of Experimental Biology, 2011, 214, 928-936.	0.8	25
86	ACTH-stimulated cortisol release from head kidney of rainbow trout is modulated by glucose concentration. Journal of Experimental Biology, 2013, 216, 554-67.	0.8	25
87	Effects of cortisol and thyroid hormone treatment on the glycogen metabolism of selected tissues of domesticated rainbow trout, Oncorhynchus mykiss. Aquaculture, 1992, 101, 317-328.	1.7	24
88	Gill carbohydrate metabolism of rainbow trout is modified during gradual adaptation to sea water. Journal of Fish Biology, 1995, 46, 845-856.	0.7	24
89	Cholecystokinin impact on rainbow trout glucose homeostasis: Possible involvement of central glucosensors. Regulatory Peptides, 2011, 172, 23-29.	1.9	24
90	Hypothalamic fatty acid sensing in Senegalese sole (<i>Solea senegalensis</i>): response to long-chain saturated, monounsaturated, and polyunsaturated (n-3) fatty acids. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1521-R1531.	0.9	24

#	Article	IF	Citations
91	Hypothalamic mechanisms linking fatty acid sensing and food intake regulation in rainbow trout. Journal of Molecular Endocrinology, 2017, 59, 377-390.	1.1	24
92	Feeding Stimulation Ability and Central Effects of Intraperitoneal Treatment of L-Leucine, L-Valine, and L-Proline on Amino Acid Sensing Systems in Rainbow Trout: Implication in Food Intake Control. Frontiers in Physiology, 2018, 9, 1209.	1.3	24
93	Influence of vegetable diets on physiological and immune responses to thermal stress in Senegalese sole (Solea senegalensis). PLoS ONE, 2018, 13, e0194353.	1.1	24
94	Carbohydrate metabolism in several tissues of rainbow trout, Oncorhynchus mykiss, is modified during ovarian recrudescence. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 106, 943-948.	0.2	23
95	Intracerebroventricular Injections of Noradrenaline Affect Brain Energy Metabolism of Rainbow Trout. Physiological and Biochemical Zoology, 2003, 76, 663-671.	0.6	23
96	Indoleamines and 5-methoxyindoles in trout pineal organ in vivo: Daily changes and influence of photoperiod. General and Comparative Endocrinology, 2005, 144, 67-77.	0.8	23
97	Melatonin partially minimizes the adverse stress effects in Senegalese sole (Solea senegalensis). Aquaculture, 2013, 388-391, 165-172.	1.7	23
98	Ceramides are involved in the regulation of food intake in rainbow trout (<i>Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 311, R658-R668.	0.9	23
99	Changes in the levels and phosphorylation status of Akt, AMPK, CREB, and FoxO1 in hypothalamus of rainbow trout under conditions of enhanced glucosensing activity. Journal of Experimental Biology, 2017, 220, 4410-4417.	0.8	23
100	Response of rainbow troutâ€™s (Oncorhynchus mykiss) hypothalamus to glucose and oleate assessed through transcription factors BSX, ChREBP, CREB, and FoxO1. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 893-904.	0.7	23
101	Daily rhythms in activity and mRNA abundance of enzymes involved in glucose and lipid metabolism in liver of rainbow trout,<i>Oncorhynchus mykiss</i>. Influence of light and food availability. Chronobiology International, 2015, 32, 1391-1408.	0.9	22
102	A simple melatonin treatment protocol attenuates the response to acute stress in the sole Solea senegalensis. Aquaculture, 2016, 452, 272-282.	1.7	22
103	Actions of 17Î²-estradiol on carbohydrate metabolism in liver, gills, and brain of gilthead sea bream Sparus auratus during acclimation to different salinities. Marine Biology, 2005, 146, 607-617.	0.7	21
104	Diurnal rhythms in hypothalamic/pituitary AVT synthesis and secretion in rainbow trout: Evidence for a circadian regulation. General and Comparative Endocrinology, 2011, 170, 541-549.	0.8	21
105	Osmoregulatory action of 17Î²-estradiol in the gilthead sea breamSparus auratus. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2004, 301A, 828-836.	1.3	20
106	60 YEARS OF POMC: POMC: an evolutionary perspective. Journal of Molecular Endocrinology, 2016, 56, T113-T118.	1.1	20
107	Effects of naphthalene, Î²-naphthoflavone and benzo(a)pyrene on the diurnal and nocturnal indoleamine metabolism and melatonin content in the pineal organ of rainbow trout, Oncorhynchus mykiss. Aquatic Toxicology, 2009, 92, 1-8.	1.9	19
108	CRF treatment induces a readjustment in glucosensing capacity in the hypothalamus and hindbrain of rainbow trout. Journal of Experimental Biology, 2011, 214, 3887-3894.	0.8	19

#	Article	IF	Citations
109	Melatonin treatment alters glucosensing capacity and mRNA expression levels of peptides related to food intake control in rainbow trout hypothalamus. General and Comparative Endocrinology, 2012, 178, 131-138.	0.8	19
110	In vitro response of putative fatty acid-sensing systems in rainbow trout liver to increased levels of oleate or octanoate. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 165, 288-294.	0.8	19
111	The gutâ€"brain axis in vertebrates: implications for food intake regulation. Journal of Experimental Biology, 2021, 224, .	0.8	19
112	Interactive effects of naphthalene treatment and the onset of vitellogenesis on energy metabolism in liver and gonad, and plasma steroid hormones of rainbow trout Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 144, 155-165.	1.3	18
113	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
114	Counter-Regulatory Response to a Fall in Circulating Fatty Acid Levels in Rainbow Trout. Possible Involvement of the Hypothalamus-Pituitary-Interrenal Axis. PLoS ONE, 2014, 9, e113291.	1.1	18
115	Immunohistochemical localization of glucokinase in rainbow trout brain. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, 352-358.	0.8	17
116	Food intake inhibition in rainbow trout induced by activation of serotonin 5-HT2C receptors is associated with increases in POMC, CART and CRF mRNA abundance in hypothalamus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 313-321.	0.7	17
117	The satiety factor oleoylethanolamide impacts hepatic lipid and glucose metabolism in goldfish. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2016, 186, 1009-1021.	0.7	17
118	Effects of insulin treatment on the response to oleate and octanoate of food intake and fatty acidâ€"sensing systems in rainbow trout. Domestic Animal Endocrinology, 2015, 53, 124-135.	0.8	16
119	Nesfatin-1 Regulates Feeding, Glucosensing and Lipid Metabolism in Rainbow Trout. Frontiers in Endocrinology, 2018, 9, 484.	1.5	16
120	First evidence for the presence of amino acid sensing mechanisms in the fish gastrointestinal tract. Scientific Reports, 2021, 11, 4933.	1.6	16
121	The effect of seawater transfer in liver carbohydrate metabolism of domesticated rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 105, 337-343.	0.2	15
122	Effects of an Acute Exposure to Lindane (Î³-Hexachlorocyclohexane) on Brain and Liver Carbohydrate Metabolism of Rainbow Trout. Ecotoxicology and Environmental Safety, 1997, 38, 99-107.	2.9	15
123	Title is missing!. Fish Physiology and Biochemistry, 1998, 18, 311-319.	0.9	15
124	Ghrelin effects on central glucosensing and energy homeostasis-related peptides in rainbow trout. Domestic Animal Endocrinology, 2011, 41, 126-136.	0.8	15
125	Short- and long-term metabolic responses to diets with different protein:carbohydrate ratios in Senegalese sole (Solea senegalensis, Kaup 1858). British Journal of Nutrition, 2016, 115, 1896-1910.	1.2	15
126	Glucagon effects on brain carbohydrate and ketone body metabolism of rainbow trout. The Journal of Experimental Zoology, 2001, 290, 662-671.	1.4	14

#	Article	IF	Citations
127	Is plasma cortisol response to stress in rainbow trout regulated by catecholamine-induced hyperglycemia?. General and Comparative Endocrinology, 2014, 205, 207-217.	0.8	14
128	Effects of intracerebroventricular treatment with oleate or octanoate on fatty acid metabolism in Brockmann bodies and liver of rainbow trout. Aquaculture Nutrition, 2015, 21, 194-205.	1.1	14
129	Intracerebroventricular ghrelin treatment affects lipid metabolism in liver of rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2016, 228, 33-39.	0.8	14
130	Involvement of cortisol and sirtuin1 during the response to stress of hypothalamic circadian system and food intake-related peptides in rainbow trout, <i>Oncorhynchus mykiss</i>. Chronobiology International, 2018, 35, 1-20.	0.9	14
131	Differential circadian and light-driven rhythmicity of clock gene expression and behaviour in the turbot, Scophthalmus maximus. PLoS ONE, 2019, 14, e0219153.	1.1	14
132	Variations in carbohydrate metabolism during gonad maturation in female turbot (Scophthalmus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	13
133	Glucosensing in liver and Brockmann bodies of rainbow trout through glucokinase-independent mechanisms. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 199, 29-42.	0.7	13
134	Influence of light and food on the circadian clock in liver of rainbow trout, <i>Oncorhynchus mykiss</i>. Chronobiology International, 2017, 34, 1259-1272.	0.9	13
135	Influence of Stress on Liver Circadian Physiology. A Study in Rainbow Trout, Oncorhynchus mykiss, as Fish Model. Frontiers in Physiology, 2019, 10, 611.	1.3	13
136	The effect of gradual transfer to sea water on muscle carbohydrate metabolism of rainbow trout. Journal of Fish Biology, 1995, 46, 509-523.	0.7	12
137	<i>In vitro</i> evidence supports the presence of glucokinase-independent glucosensing mechanisms in hypothalamus and hindbrain of rainbow trout. Journal of Experimental Biology, 2016, 219, 1750-9.	0.8	12
138	Melatonin treatment affects the osmoregulatory capacity of rainbow trout. Aquaculture Research, 2007, 38, 325-330.	0.9	11
139	The short-term presence of oleate or octanoate alters the phosphorylation status of Akt, AMPK, mTOR, CREB, and FoxO1 in liver of rainbow trout (Oncorhynchus mykiss). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 219-220, 17-25.	0.7	11
140	Sensing Glucose in the Central Melanocortin Circuits of Rainbow Trout: A Morphological Study. Frontiers in Endocrinology, 2019, 10, 254.	1.5	11
141	Seasonal changes in carbohydrate metabolism in the rainbow trout (Oncorhynchus mykiss) and their relationship to changes in gill (Na+-K+)-ATPase activity. Aquaculture, 1992, 108, 369-380.	1.7	10
142	Uptake of 3- O -methyl-D-[U- 14 C]glucose into brain of rainbow trout: possible effects of melatonin. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2000, 170, 237-243.	0.7	10
143	Melatonin in octopus (Octopus vulgaris): tissue distribution, daily changes and relation with serotonin and its acid metabolite. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 789-797.	0.7	10
144	Glucosensing capacity in liver of rainbow trout displays day-night variations possibly related to melatonin action. Journal of Experimental Biology, 2012, 215, 3112-9.	0.8	10

#	Article	IF	Citations
145	Glucosensing capacity of rainbow trout telencephalon. Journal of Neuroendocrinology, 2018, 30, e12583.	1.2	10
146	A hepatic protein modulates glucokinase activity in fish and avian liver: a comparative study. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 643-652.	0.7	9
147	Short-term exposure to repeated chasing stress does not induce habituation in Senegalese sole, Solea senegalensis. Aquaculture, 2018, 487, 32-40.	1.7	9
148	The anorectic effect of central PYY1-36 treatment in rainbow trout (Oncorhynchus mykiss) is associated with changes in mRNAs encoding neuropeptides and parameters related to fatty acid sensing and metabolism. General and Comparative Endocrinology, 2018, 267, 137-145.	0.8	9
149	Metabolic response in liver and Brockmann bodies of rainbow trout to inhibition of lipolysis; possible involvement of the hypothalamusâ€"pituitaryâ€"interrenal (HPI) axis. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 413-423.	0.7	8
150	Ceramide counteracts the effects of ghrelin on the metabolic control of food intake in rainbow trout. Journal of Experimental Biology, 2017, 220, 2563-2576.	0.8	8
151	Dietary protein/carbohydrate ratio in low-lipid diets for Senegalese sole (Solea senegalensis, Kaup) Tj ETQq1 1 0.784314 rgBT /Overlock Nutrition, 2018, 24, 131-142.	1.1	8
152	Oral and pre-absorptive sensing of amino acids relates to hypothalamic control of food intake in rainbow trout. Journal of Experimental Biology, 2020, 223, .	0.8	8
153	Effects of CCK-8 and GLP-1 on fatty acid sensing and food intake regulation in trout. Journal of Molecular Endocrinology, 2019, 62, 101-116.	1.1	8
154	In vitro evidence in rainbow trout supporting glucosensing mediated by sweet taste receptor, LXR, and mitochondrial activity in Brockmann bodies, and sweet taste receptor in liver. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 200, 6-16.	0.7	7
155	Differential Role of Hypothalamic AMPKÎ± Isoforms in Fish: an Evolutive Perspective. Molecular Neurobiology, 2019, 56, 5051-5066.	1.9	7
156	Hypothalamic AMPKÎ±2 regulates liver energy metabolism in rainbow trout through vagal innervation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 318, R122-R134.	0.9	7
157	Central administration of endocannabinoids exerts bimodal effects in food intake of rainbow trout. Hormones and Behavior, 2021, 134, 105021.	1.0	7
158	Central regulation of food intake is not affected by inclusion of defatted Tenebrio molitor larvae meal in diets for European sea bass (Dicentrarchus labrax). Aquaculture, 2021, 544, 737088.	1.7	7
159	Differential effects of exposure to parasites and bacteria on stress response in turbot <i>Scophthalmus maximus</i> simultaneously stressed by low water depth. Journal of Fish Biology, 2017, 91, 242-259.	0.7	6
160	Growth performance and nutrient utilisation of Senegalese sole fed vegetable oils in plant protein-rich diets from juvenile to market size. Aquaculture, 2019, 511, 734229.	1.7	6
161	The endocannabinoid system is affected by a high-fat-diet in rainbow trout. Hormones and Behavior, 2020, 125, 104825.	1.0	6
162	Central serotonin participates in the anorexigenic effect of GLP-1 in rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	6

#	Article	IF	Citations
163	Orally administrated fatty acids enhanced anorectic potential but did not activate central fatty acid sensing in Senegalese sole post-larvae. Journal of Experimental Biology, 2016, 220, 677-685.	0.8	5
164	Na+/K+-ATPase is involved in the regulation of food intake in rainbow trout but apparently not through brain glucosensing mechanisms. Physiology and Behavior, 2019, 209, 112617.	1.0	5
165	Central Treatment of Ketone Body in Rainbow Trout Alters Liver Metabolism Without Apparently Altering the Regulation of Food Intake. Frontiers in Physiology, 2019, 10, 1206.	1.3	5
166	First evidence on the role of palmitoylethanolamide in energy homeostasis in fish. Hormones and Behavior, 2020, 117, 104609.	1.0	5
167	Role of the G protein-coupled receptors GPR84 and GPR119 in the central regulation of food intake in rainbow trout. Journal of Experimental Biology, 2021, 224, .	0.8	5
168	Periprandial response of central cannabinoid system to different feeding conditions in rainbow trout Oncorhynchus mykiss. Nutritional Neuroscience, 2020, , 1-12.	1.5	5
169	Preliminary studies on carbohydrate metabolism changes in domesticated rainbow trout (Oncorhynchus mykiss) transferred to diluted seawater (12 p.p.t.). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1991, 98, 53-57.	0.2	4
170	Alterations in the brain monoaminergic neurotransmitters of rainbow trout related to naphthalene exposure at the beginning of vitellogenesis. Fish Physiology and Biochemistry, 2009, 35, 453-465.	0.9	4
171	The long-chain fatty acid receptors FFA1 and FFA4 are involved in food intake regulation in fish brain. Journal of Experimental Biology, 2020, 223, .	0.8	4
172	REV-ERBÎ± Agonist SR9009 Promotes a Negative Energy Balance in Goldfish. International Journal of Molecular Sciences, 2022, 23, 2921.	1.8	4
173	Partial and total fishmeal replacement by defatted Tenebrio molitor larvae meal do not alter short- and mid-term regulation of food intake in European sea bass (Dicentrarchus labrax). Aquaculture, 2022, 560, 738604.	1.7	4
174	Changes in muscle carbohydrate metabolism in domesticated rainbow trout (Oncorhynchus mykiss) after transfer to seawater. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 104, 173-179.	0.2	3
175	Interaction of short-term testosterone treatment with osmotic acclimation in the gilthead sea bream Sparus auratus. Marine Biology, 2008, 153, 661-671.	0.7	3
176	SIRT1 mediates the effect of stress on hypothalamic clock genes and food intake regulators in rainbow trout, Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 235, 102-111.	0.8	3
177	In vitro insulin treatment reverses changes elicited by nutrients in cellular metabolic processes that regulate food intake in fish. Journal of Experimental Biology, 2020, 223, .	0.8	3
178	Leucine sensing in rainbow trout hypothalamus is direct but separate from mTOR signalling in the regulation of food intake. Aquaculture, 2021, 543, 737009.	1.7	3
179	Energy Metabolism and Osmotic Acclimation in Teleost Fish. , 2019, , 277-307.		3
180	Renal complex ATPase activity in domesticated rainbow troutOncorhynchus mykissat different times of the year. Journal of Interdisciplinary Cycle Research, 1991, 22, 355-365.	0.2	2

#	Article	IF	Citations
181	Amino Acid Carriers of the Solute Carrier Families 7 (SLC7) and 38 (SLC38) Are Involved in Leucine Sensing in the Brain of Atlantic Salmon (Salmo salar). Frontiers in Marine Science, 2021, 8, .	1.2	2
182	Gill carbohydrate metabolism of rainbow trout is modified during gradual adaptation to sea water. , 1995, 46, 845.		2
183	The Opioid System in Rainbow Trout Telencephalon Is Probably Involved in the Hedonic Regulation of Food Intake. Frontiers in Physiology, 2022, 13, 800218.	1.3	2
184	Differential effects of in vivo and in vitro lactate treatments on liver carbohydrate metabolism of rainbow trout. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, 205-210.	0.8	1
185	Response of lactate metabolism in brain glucosensing areas of rainbow trout (Oncorhynchus mykiss) to changes in glucose levels. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 869-882.	0.7	1
186	Immunolocalization of glucokinase in glucosensing tissues of rainbow trout. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, S16.	0.8	0