Jose L Soengas

List of Publications by Year in Descending Order

182 papers	5,420 citations	41 h-index	64 g-index
186 ext. papers	6,234 ext. citations	3.3 avg, IF	5.92 L-index

#	Paper	IF	Citations
182	The Opioid System in Rainbow Trout Telencephalon Is Probably Involved in the Hedonic Regulation of Food Intake.. *Frontiers in Physiology*, **2022**, 13, 800218	4.6	
181	Leptin signalling in teleost fish with emphasis in food intake regulation. *Molecular and Cellular Endocrinology*, **2021**, 526, 111209	4.4	6
180	Central serotonin participates in the anorexigenic effect of GLP-1 in rainbow trout (Oncorhynchus mykiss). *General and Comparative Endocrinology*, **2021**, 304, 113716	3	2
179	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,	3	2
178	The gut-brain axis in vertebrates: implications for food intake regulation. *Journal of Experimental Biology*, **2021**, 224,	3	10
177	Integration of Nutrient Sensing in Fish Hypothalamus. *Frontiers in Neuroscience*, **2021**, 15, 653928	5.1	6
176	First evidence for the presence of amino acid sensing mechanisms in the fish gastrointestinal tract. *Scientific Reports*, **2021**, 11, 4933	4.9	3
175	Central administration of endocannabinoids exerts bimodal effects in food intake of rainbow trout. *Hormones and Behavior*, **2021**, 134, 105021	3.7	2
174	Leucine sensing in rainbow trout hypothalamus is direct but separate from mTOR signalling in the regulation of food intake. *Aquaculture*, **2021**, 543, 737009	4.4	0
173	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	4.4	1
172	Periprandial response of central cannabinoid system to different feeding conditions in rainbow trout. *Nutritional Neuroscience*, **2020**, 1-12	3.6	3
171	First evidence on the role of palmitoylethanolamide in energy homeostasis in fish. *Hormones and Behavior*, **2020**, 117, 104609	3.7	2
170	Hypothalamic AMPK□ regulates liver energy metabolism in rainbow trout through vagal innervation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2020**, 318, R122-R134	3.2	5
169	The long-chain fatty acid receptors FFA1 and FFA4 are involved in food intake regulation in fish brain. *Journal of Experimental Biology*, **2020**, 223,	3	1
168	Oral and pre-absorptive sensing of amino acids relates to hypothalamic control of food intake in rainbow trout. *Journal of Experimental Biology*, **2020**, 223,	3	3
167	The endocannabinoid system is affected by a high-fat-diet in rainbow trout. *Hormones and Behavior*, **2020**, 125, 104825	3.7	3
166	insulin treatment reverses changes elicited by nutrients in cellular metabolic processes that regulate food intake in fish. *Journal of Experimental Biology*, **2020**, 223,	3	2

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	4.6	3
164	Influence of Stress on Liver Circadian Physiology. A Study in Rainbow Trout, , as Fish Model. *Frontiers in Physiology*, **2019**, 10, 611	4.6	4
163	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	2.6	0
162	Sensing Glucose in the Central Melanocortin Circuits of Rainbow Trout: A Morphological Study. *Frontiers in Endocrinology*, **2019**, 10, 254	5.7	4
161	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	3.5	3
160	Differential circadian and light-driven rhythmicity of clock gene expression and behaviour in the turbot, Scophthalmus maximus. *PLoS ONE*, **2019**, 14, e0219153	3.7	5
159	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	4.4	2
158	Energy Metabolism and Osmotic Acclimation in Teleost Fish **2019**, 277-307		2
157	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	4.5	4
156	Differential Role of Hypothalamic AMPK□soforms in Fish: an Evolutive Perspective. *Molecular Neurobiology*, **2019**, 56, 5051-5066	6.2	5
155	Central regulation of food intake in fish: an evolutionary perspective. *Journal of Molecular Endocrinology*, **2018**, 60, R171-R199	4.5	59
154	Glucosensing capacity of rainbow trout telencephalon. *Journal of Neuroendocrinology*, **2018**, 30, e12583	3.8	8
153	Short-term exposure to repeated chasing stress does not induce habituation in Senegalese sole, Solea senegalensis. *Aquaculture*, **2018**, 487, 32-40	4.4	8
152	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	2.3	9
151	Dietary protein/carbohydrate ratio in low-lipid diets for Senegalese sole (Solea senegalensis, Kaup 1858) juveniles. Influence on growth performance, nutrient utilization and flesh quality. *Aquaculture Nutrition*, **2018**, 24, 131-142	3.2	8
150	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	3.2	21
149	Influence of vegetable diets on physiological and immune responses to thermal stress in Senegalese sole (Solea senegalensis). *PLoS ONE*, **2018**, 13, e0194353	3.7	18
148	Stress Effects on the Mechanisms Regulating Appetite in Teleost Fish. *Frontiers in Endocrinology*, **2018**, 9, 631	5.7	34

147	Response of rainbow trout'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	2.3	15
146	Nesfatin-1 Regulates Feeding, Glucosensing and Lipid Metabolism in Rainbow Trout. *Frontiers in Endocrinology*, **2018**, 9, 484	5.7	10
145	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	4.6	12
144	Involvement of cortisol and sirtuin1 during the response to stress of hypothalamic circadian system and food intake-related peptides in rainbow trout, Oncorhynchus mykiss. *Chronobiology International*, **2018**, 35, 1122-1141	3.6	7
143	The anorectic effect of central PYY 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	3	7
142	Ceramide counteracts the effects of ghrelin on the metabolic control of food intake in rainbow trout. *Journal of Experimental Biology*, **2017**, 220, 2563-2576	3	8
141	Differential effects of exposure to parasites and bacteria on stress response in turbot Scophthalmus maximus simultaneously stressed by low water depth. *Journal of Fish Biology*, **2017**, 91, 242-259	1.9	5
140	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	3	21
139	Hypothalamic mechanisms linking fatty acid sensing and food intake regulation in rainbow trout. *Journal of Molecular Endocrinology*, **2017**, 59, 377-390	4.5	18
138	Influence of light and food on the circadian clock in liver of rainbow trout, Oncorhynchus mykiss. *Chronobiology International*, **2017**, 34, 1259-1272	3.6	12
137	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	4.5	9
136	Neuroendocrine and Immune Responses Undertake Different Fates following Tryptophan or Methionine Dietary Treatment: Tales from a Teleost Model. *Frontiers in Immunology*, **2017**, 8, 1226	8.4	27
135	Hypothalamic Integration of Metabolic, Endocrine, and Circadian Signals in Fish: Involvement in the Control of Food Intake. *Frontiers in Neuroscience*, **2017**, 11, 354	5.1	67
134	Orally administered fatty acids enhance anorectic potential but do not activate central fatty acid sensing in Senegalese sole post-larvae. *Journal of Experimental Biology*, **2017**, 220, 677-685	3	4
133	Ghrelin modulates hypothalamic fatty acid-sensing and control of food intake in rainbow trout. *Journal of Endocrinology*, **2016**, 228, 25-37	4.7	37
132	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, 1896-910	3.6	14
131	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	2.3	5
130	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	2.2	5

129	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	2.3	8
128	60 YEARS OF POMC: POMC: an evolutionary perspective. *Journal of Molecular Endocrinology*, **2016**, 56, T113-8	4.5	16
127	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, 471-84	2.2	33
126	Intracerebroventricular ghrelin treatment affects lipid metabolism in liver of rainbow trout (Oncorhynchus mykiss). *General and Comparative Endocrinology*, **2016**, 228, 33-39	3	14
125	A simple melatonin treatment protocol attenuates the response to acute stress in the sole Solea senegalensis. *Aquaculture*, **2016**, 452, 272-282	4.4	18
124	Nutrient Sensing Systems in Fish: Impact on Food Intake Regulation and Energy Homeostasis. *Frontiers in Neuroscience*, **2016**, 10, 603	5.1	64
123	Ceramides are involved in the regulation of food intake in rainbow trout (Oncorhynchus mykiss). *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 311, R658-R668	3.2	20
122	In vitro evidence supports the presence of glucokinase-independent glucosensing mechanisms in hypothalamus and hindbrain of rainbow trout. *Journal of Experimental Biology*, **2016**, 219, 1750-9	3	12
121	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, 313-21	2.2	13
120	Potential capacity of Senegalese sole (Solea senegalensis) to use carbohydrates: Metabolic responses to hypo- and hyper-glycaemia. *Aquaculture*, **2015**, 438, 59-67	4.4	24
119	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, 65-9	2.6	27
118	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	3	51
117	Metabolic response in liver and Brockmann bodies of rainbow trout to inhibition of lipolysis; possible involvement of the hypothalamus-pituitary-interrenal (HPI) axis. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2015**, 185, 413-23	2.2	7
116	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	3.2	12
115	Effects of insulin treatment on the response to oleate and octanoate of food intake and fatty acid-sensing systems in rainbow trout. *Domestic Animal Endocrinology*, **2015**, 53, 124-35	2.3	14
114	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, 131-41	3.8	31
113	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, 869-82	2.2	1
112	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	3.7	32

111	Hypothalamic fatty acid sensing in Senegalese sole (Solea senegalensis): response to long-chain saturated, monounsaturated, and polyunsaturated (n-3) fatty acids. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 309, R1521-31	3.2	21
110	Daily rhythms in activity and mRNA abundance of enzymes involved in glucose and lipid metabolism in liver of rainbow trout, Oncorhynchus mykiss. Influence of light and food availability. *Chronobiology International*, **2015**, 32, 1391-408	3.6	19
109	Arginine vasotocin treatment induces a stress response and exerts a potent anorexigenic effect in rainbow trout, Oncorhynchus mykiss. *Journal of Neuroendocrinology*, **2014**, 26, 89-99	3.8	30
108	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	3	60
107	Oral administration of melatonin counteracts several of the effects of chronic stress in rainbow trout. *Domestic Animal Endocrinology*, **2014**, 46, 26-36	2.3	35
106	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, 40-9	2.6	39
105	Central administration of oleate or octanoate activates hypothalamic fatty acid sensing and inhibits food intake in rainbow trout. *Physiology and Behavior*, **2014**, 129, 272-9	3.5	41
104	Stress inhibition of melatonin synthesis in the pineal organ of rainbow trout (Oncorhynchus mykiss) is mediated by cortisol. *Journal of Experimental Biology*, **2014**, 217, 1407-16	3	22
103	Is plasma cortisol response to stress in rainbow trout regulated by catecholamine-induced hyperglycemia?. *General and Comparative Endocrinology*, **2014**, 205, 207-17	3	14
102	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	3.7	18
101	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	2.3	25
100	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	3	74
99	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, 241-8	2.6	26
98	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, 288-94	2.6	16
97	Melatonin partially minimizes the adverse stress effects in Senegalese sole (Solea senegalensis). *Aquaculture*, **2013**, 388-391, 165-172	4.4	19
96	Oleic acid and octanoic acid sensing capacity in rainbow trout Oncorhynchus mykiss is direct in hypothalamus and Brockmann bodies. *PLoS ONE*, **2013**, 8, e59507	3.7	38
95	ACTH-stimulated cortisol release from head kidney of rainbow trout is modulated by glucose concentration. *Journal of Experimental Biology*, **2013**, 216, 554-67	3	22
94	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, 131-8	3	14

93	Glucose metabolism in fish: a review. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2012**, 182, 1015-45	2.2	449
92	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, 507-16	2.2	16
91	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	2.6	26
90	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, R1340-50	3.2	47
89	Glucosensing capacity in rainbow trout liver displays day-night variations possibly related to melatonin action. *Journal of Experimental Biology*, **2012**, 215, 3112-9	3	10
88	Daily rhythmic expression patterns of clock1a, bmal1, and per1 genes in retina and hypothalamus of the rainbow trout, Oncorhynchus mykiss. *Chronobiology International*, **2011**, 28, 381-9	3.6	47
87	Glucosensing and glucose homeostasis: from fish to mammals. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2011**, 160, 123-49	2.3	188
86	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, 232-40	3.8	39
85	Ghrelin effects on central glucosensing and energy homeostasis-related peptides in rainbow trout. *Domestic Animal Endocrinology*, **2011**, 41, 126-36	2.3	15
84	Evidence for a gut-brain axis used by glucagon-like peptide-1 to elicit hyperglycaemia in fish. *Journal of Neuroendocrinology*, **2011**, 23, 508-18	3.8	31
83	Cholecystokinin impact on rainbow trout glucose homeostasis: possible involvement of central glucosensors. *Regulatory Peptides*, **2011**, 172, 23-9		22
82	Diurnal rhythms in hypothalamic/pituitary AVT synthesis and secretion in rainbow trout: evidence for a circadian regulation. *General and Comparative Endocrinology*, **2011**, 170, 541-9	3	20
81	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, 789-97	2.3	6
80	Changes in plasma melatonin levels and pineal organ melatonin synthesis following acclimation of rainbow trout (Oncorhynchus mykiss) to different water salinities. *Journal of Experimental Biology*, **2011**, 214, 928-36	3	23
79	CRF treatment induces a readjustment in glucosensing capacity in the hypothalamus and hindbrain of rainbow trout. *Journal of Experimental Biology*, **2011**, 214, 3887-94	3	17
78	Gut glucose metabolism in rainbow trout: implications in glucose homeostasis and glucosensing capacity. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R19-32	3.2	55
77	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, 3858-65	3	57
76	Stress alters food intake and glucosensing response in hypothalamus, hindbrain, liver, and Brockmann bodies of rainbow trout. *Physiology and Behavior*, **2010**, 101, 483-93	3.5	44

75	Central leptin treatment modulates brain glucosensing function and peripheral energy metabolism of rainbow trout. *Peptides*, **2010**, 31, 1044-54	3.8	54
74	Immunohistochemical localization of glucokinase in rainbow trout brain. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2009**, 153, 352-8	2.6	14
73	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, 417-24	2.6	51
72	Alterations in the brain monoaminergic neurotransmitters of rainbow trout related to naphthalene exposure at the beginning of vitellogenesis. *Fish Physiology and Biochemistry*, **2009**, 35, 453-65	2.7	1
71	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, 643-52	2.2	8
70	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, 2173-7	3.2	47
69	beta-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	7	30
68	Effects of naphthalene, beta-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	5.1	18
67	Food deprivation and refeeding effects on pineal indoles metabolism and melatonin synthesis in the rainbow trout Oncorhynchus mykiss. *General and Comparative Endocrinology*, **2008**, 156, 410-7	3	24
66	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, 205-10	2.6	1
65	Acute and prolonged stress responses of brain monoaminergic activity and plasma cortisol levels in rainbow trout are modified by PAHs (naphthalene, beta-naphthoflavone and benzo(a)pyrene) treatment. *Aquatic Toxicology*, **2008**, 86, 341-51	5.1	71
64	beta-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, 180-6	7	48
63	Involvement of lactate in glucose metabolism and glucosensing function in selected tissues of rainbow trout. *Journal of Experimental Biology*, **2008**, 211, 1075-86	3	47
62	Dietary carbohydrates induce changes in glucosensing capacity and food intake of rainbow trout. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R478-89	3.2	88
61	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, R1077-88	3.2	67
60	Interaction of short-term testosterone treatment with osmotic acclimation in the gilthead sea bream Sparus auratus. *Marine Biology*, **2008**, 153, 661-671	2.5	3
59	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, 829-39	2.3	68
58	Melatonin treatment affects the osmoregulatory capacity of rainbow trout. *Aquaculture Research*, **2007**, 38, 325-330	1.9	10

57	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, 265-73	2.6	55
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, 363-74	2.6	36
55	Evidence for arylalkylamine N-acetyltransferase (AANAT2) expression in rainbow trout peripheral tissues with emphasis in the gastrointestinal tract. *General and Comparative Endocrinology*, **2007**, 152, 289-94	3	30
54	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, R1657-66	3.2	74
53	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, R1410-20	3.2	49
52	Naphthalene treatment alters liver intermediary metabolism and levels of steroid hormones in plasma of rainbow trout (Oncorhynchus mykiss). *Ecotoxicology and Environmental Safety*, **2007**, 66, 139-47	2	43
51	Osmoregulatory and metabolic changes in the gilthead sea bream Sparus auratus after arginine vasotocin (AVT) treatment. *General and Comparative Endocrinology*, **2006**, 148, 348-58	3	36
50	Influence of testosterone administration on osmoregulation and energy metabolism of gilthead sea bream Sparus auratus. *General and Comparative Endocrinology*, **2006**, 149, 30-41	3	29
49	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	2.6	35
48	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, R810-21	3.2	62
47	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, 155-65	3.2	14
46	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, 173-83	3.2	27
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	1.9	41
44	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, 441-52	2.2	94
43	Growth performance of gilthead sea bream Sparus aurata in different osmotic conditions: Implications for osmoregulation and energy metabolism. *Aquaculture*, **2005**, 250, 849-861	4.4	99
42	Actions of growth hormone on carbohydrate metabolism and osmoregulation of rainbow trout (Oncorhynchus mykiss). *General and Comparative Endocrinology*, **2005**, 141, 214-25	3	46
41	Indoleamines and 5-methoxyindoles in trout pineal organ in vivo: daily changes and influence of photoperiod. *General and Comparative Endocrinology*, **2005**, 144, 67-77	3	20
40	Interactive effects of high stocking density and food deprivation on carbohydrate metabolism in several tissues of gilthead sea bream Sparus auratus. *Journal of Experimental Zoology Part A, Comparative Experimental Biology*, **2005**, 303, 761-75		94

39	Actions of 17β-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	2.5	18
38	Time course of osmoregulatory and metabolic changes during osmotic acclimation in Sparus auratus. *Journal of Experimental Biology*, **2005**, 208, 4291-304	3	134
37	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	1.9	23
36	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	2.3	36
35	Osmoregulatory action of 17beta-estradiol in the gilthead sea bream Sparus auratus. *Journal of Experimental Zoology Part A, Comparative Experimental Biology*, **2004**, 301, 828-36		16
34	Intracerebroventricular injections of noradrenaline affect brain energy metabolism of rainbow trout. *Physiological and Biochemical Zoology*, **2003**, 76, 663-71	2	22
33	Influence of cortisol on osmoregulation and energy metabolism in gilthead seabream Sparus aurata. *Journal of Experimental Zoology Part A, Comparative Experimental Biology*, **2003**, 298, 105-18		106
32	Acclimation of S aurata to various salinities alters energy metabolism of osmoregulatory and nonosmoregulatory organs. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2003**, 285, R897-907	3.2	96
31	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, 479-84	2.3	46
30	Energy Metabolism in Fish Tissues Related to Osmoregulation and Cortisol Action. *Fish Physiology and Biochemistry*, **2002**, 27, 179-188	2.7	84
29	Energy metabolism of fish brain. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2002**, 131, 271-96	2.3	157
28	Glucagon effects on brain carbohydrate and ketone body metabolism of rainbow trout. *The Journal of Experimental Zoology*, **2001**, 290, 662-71		13
27	Acute effects of L-tryptophan on tryptophan hydroxylation rate in brain regions (hypothalamus and medulla) of rainbow trout (Oncorhynchus mykiss). *The Journal of Experimental Zoology*, **2000**, 286, 131-5		32
26	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	1.9	27
25	Uptake of 3-O-methyl-D-[U-14C]glucose into brain of rainbow trout: possible effects of melatonin. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2000**, 170, 237-43	2.2	10
24	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	1.9	26
23	Effects of chronic exposure to γ-HCH (Lindane) on brain serotonergic and gabaergic systems, and serum cortisol and thyroxine levels of rainbow trout, Oncorhynchus mykiss. *Fish Physiology and Biochemistry*, **1999**, 20, 325-330	2.7	19
22	Dose-dependent effects of acute melatonin treatments on brain carbohydrate metabolism of rainbow trout. *Fish Physiology and Biochemistry*, **1998**, 18, 311-319	2.7	14

21	Uptake of tryptophan into brain of rainbow trout (Oncorhynchus mykiss) **1998**, 282, 285-289		24
20	Glucose, lactate, and beta-hydroxybutyrate utilization by rainbow trout brain: changes during food deprivation. *Physiological Zoology*, **1998**, 71, 285-93		55
19	Transport and metabolism of glucose in isolated enterocytes of the black bullhead ictalurus melas: effects of diet and hormones. *Journal of Experimental Biology*, **1998**, 201, 3263-3273	3	33
18	Effects of an acute exposure to lindane (gamma-hexachlorocyclohexane) on brain and liver carbohydrate metabolism of rainbow trout. *Ecotoxicology and Environmental Safety*, **1997**, 38, 99-107	7	12
17	Progressive transfer to seawater enhances intestinal and branchial Na+-K+-ATPase activity in non-anadromous rainbow trout. *Aquaculture International*, **1997**, 5, 217-227	2.6	41
16	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	2.7	77
15	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, 625-31	2.7	49
14	Variations in carbohydrate metabolism during gonad maturation in female turbot (Scophthalmus maximus). *Marine Biology*, **1995**, 123, 11-18	2.5	12
13	Gill carbohydrate metabolism of rainbow trout is modified during gradual adaptation to sea water. *Journal of Fish Biology*, **1995**, 46, 845-856	1.9	22
12	Gradual transfer to sea water of rainbow trout: effects on liver carbohydrate metabolism. *Journal of Fish Biology*, **1995**, 47, 466-478	1.9	25
11	The effect of gradual transfer to sea water on muscle carbohydrate metabolism of rainbow trout. *Journal of Fish Biology*, **1995**, 46, 509-523	1.9	10
10	Gill carbohydrate metabolism of rainbow trout is modified during gradual adaptation to sea water **1995**, 46, 845		2
9	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		10
8	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		5
7	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		7
6	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		11
5	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		3
4	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	4.4	21

3	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	4.4	9
2	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		2
1	Renal complex ATPase activity in domesticated rainbow trout Oncorhynchus mykiss at different times of the year. *Journal of Interdisciplinary Cycle Research*, **1991**, 22, 355-365		2