Joaquim Gutierrez

List of Publications by Year
in descending order

160 papers	6,360 citations	46984 47 h-index	91828 69 g-index
165 all docs	165 docs citations	165 times ranked	5676 citing authors

#	Article	IF	Citations
1	Growth hormone and insulin-like growth factors in fish: Where we are and where to go. General and Comparative Endocrinology, 2005, 142, 20-24.	0.8	391
2	Chapter 17 Fasting and starvation. Biochemistry and Molecular Biology of Fishes, 1995, 4, 393-434.	0.5	169
3	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
4	Metabolic and mitogenic effects of IGF-I and insulin on muscle cells of rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R935-R941.	0.9	146
5	Glucokinase is highly induced and glucose-6-phosphatase poorly repressed in liver of rainbow trout (Oncorhynchus mykiss) by a single meal with glucose. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2001, 128, 275-283.	0.7	131
6	Daily rhythms of insulin and glucose levels in the plasma of sea bass Dicentrarchus labrax after experimental feeding. General and Comparative Endocrinology, 1984, 55, 393-397.	0.8	125
7	Role of insulin, insulin-like growth factors, and muscle regulatory factors in the compensatory growth of the trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2007, 150, 462-472.	0.8	115
8	Effects of environmental temperature on IGF1, IGF2, and IGF type I receptor expression in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2003, 133, 233-242.	0.8	112
9	Understanding fish muscle growth regulation to optimize aquaculture production. Aquaculture, 2017, 467, 28-40.	1.7	102
10	Insulin, insulin-like growth factor-I (IGF-I) and glucagon: the evolution of their receptors. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 122, 137-153.	0.7	100
11	Metabolic and mitogenic effects of IGF-II in rainbow trout (Oncorhynchus mykiss) myocytes in culture and the role of IGF-II in the PI3K/Akt and MAPK signalling pathways. General and Comparative Endocrinology, 2008, 157, 116-124.	0.8	97
12	Insulin regulation of lipoprotein lipase (LPL) activity and expression in gilthead sea bream (Sparus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 151-159.	0.7	95
13	Ovarian Receptors for Insulin and Insulin-like Growth Factor I (IGF-I) and Effects of IGF-I on Steroid Production by Isolated Follicular Layers of the Preovulatory Coho Salmon Ovarian Follicle. General and Comparative Endocrinology, 1997, 106, 189-201.	0.8	86
14	Molecular identification of a glucose transporter from fish muscle1. FEBS Letters, 2000, 481, 266-270.	1.3	80
15	Influence of high-carbohydrate enriched diets on plasma insulin levels and insulin and IGF-I receptors in trout. Regulatory Peptides, 1998, 77, 55-62.	1.9	79
16	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
17	Abundant Insulin-like Growth Factor-1 (IGF-1) Receptor Binding in Fish Skeletal Muscle. General and Comparative Endocrinology, 1995, 98, 16-25.	0.8	74
18	Regulation of proliferation and differentiation of adipocyte precursor cells in rainbow trout (Oncorhynchus mykiss). Journal of Endocrinology, 2008, 198, 459-469.	1.2	73

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19	Changes in plasma glucagon, insulin and tissue metabolites associated with prolonged fasting in brown trout (Salmo trutta fario) during two different seasons of the year. Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 102, 401-407.	0.7	71
20	Insulin and IGF-I receptors and tyrosine kinase activity in carp ovaries: changes with reproductive cycle. Fish Physiology and Biochemistry, 1993, 11, 247-254.	0.9	70
21	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
22	Insights into Insulin and Glucagon Responses in Fish. Fish Physiology and Biochemistry, 2002, 27, 205-216.	0.9	68
23	Fasting and refeeding in carp, Cyprinus carpio L.: the mobilization of reserves and plasma metabolite and hormone variations. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1992, 162, 539.	0.7	67
24	Insulin and IGF-I binding and tyrosine kinase activity in fish heart. Journal of Endocrinology, 1995, 146, 35-44.	1.2	65
25	Nutritional and hormonal control of lipolysis in isolated gilthead seabream (Sparus aurata) adipocytes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R259-R265.	0.9	65
26	Regulation of lipoprotein lipase activity in rainbow trout (Oncorhynchus mykiss) tissues. General and Comparative Endocrinology, 2006, 146, 226-235.	0.8	65
27	IGF-I and insulin receptor signal transduction in trout muscle cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R1683-R1690.	0.9	64
28	Insulin and insulin-like growth factor-I receptors in fish brain. Regulatory Peptides, 1996, 61, 155-161.	1.9	62
29	IGF-I and amino acids effects through TOR signaling on proliferation and differentiation of gilthead sea bream cultured myocytes. General and Comparative Endocrinology, 2014, 205, 296-304.	0.8	59
30	Physiological regulation of the expression of a GLUT4 homolog in fish skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E44-E49.	1.8	57
31	Nutritional assessment of somatolactin function in gilthead sea bream (Sparus aurata): concurrent changes in somatotropic axis and pancreatic hormones. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2004, 138, 533-542.	0.8	57
32	Insulin and IGF-I response to a glucose load in European sea bass (Dicentrarchus labrax) juveniles. Aquaculture, 2011, 315, 321-326.	1.7	57
33	IGF-I binding and receptor signal transduction in primary cell culture of muscle cells of gilthead sea bream: changes throughout in vitro development. Cell and Tissue Research, 2007, 330, 503-513.	1.5	56
34	Expression of rainbow trout glucose transporters GLUT1 and GLUT4 during in vitro muscle cell differentiation and regulation by insulin and IGF-I. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R794-R800.	0.9	56
35	Changes in plasma glucagon and insulin associated with fasting in sea bass (Dicentrarchus labrax). Fish Physiology and Biochemistry, 1991, 9, 107-112.	0.9	54
36	Identification of a Type II Insulin-Like Growth Factor Receptor in Fish Embryos*. Endocrinology, 2001, 142, 1090-1097.	1.4	53

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37	IGF-I binding in primary culture of muscle cells of rainbow trout: changes during in vitro development. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R647-R652.	0.9	52
38	Differential effects on proliferation of GH and IGFs in sea bream (Sparus aurata) cultured myocytes. General and Comparative Endocrinology, 2011, 172, 44-49.	0.8	52
39	Characterisation and expression of myogenesis regulatory factors during in vitro myoblast development and in vivo fasting in the gilthead sea bream (Sparus aurata). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 167, 90-99.	0.8	52
40	Characterization of Insulin and Insulin-Like Growth Factor-I Ovarian Receptors during the Reproductive Cycle of Carp (Cyprinus Carpio)1. Biology of Reproduction, 1997, 56, 1126-1132.	1.2	51
41	Adiponectin effects and gene expression in rainbow trout: an <i>in vivo</i> and <i>in vitro</i> approach. Journal of Experimental Biology, 2012, 215, 1373-1383.	0.8	50
42	Effects of nutritional status on plasma leptin levels and in vitro regulation of adipocyte leptin expression and secretion in rainbow trout. General and Comparative Endocrinology, 2015, 210, 114-123.	0.8	50
43	Characterisation and Expression of Calpain Family Members in Relation to Nutritional Status, Diet Composition and Flesh Texture in Gilthead Sea Bream (Sparus aurata). PLoS ONE, 2013, 8, e75349.	1.1	50
44	Distinct role of insulin and IGF-I and its receptors in white skeletal muscle during the compensatory growth of gilthead sea bream (Sparus aurata). Aquaculture, 2007, 267, 188-198.	1.7	49
45	Role of insulin and IGF-I on the regulation of glucose metabolism in European sea bass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Ov A, Molecular & Integrative Physiology, 2010, 157, 346-353.	0.8	49
46	Insulin-like growth factors effects on the expression of myogenic regulatory factors in gilthead sea bream muscle cells. General and Comparative Endocrinology, 2013, 188, 151-158.	0.8	49
47	Glucagon and insulin response to dietary carbohydrate in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2004, 139, 48-54.	0.8	48
48	Lysine and Leucine Deficiencies Affect Myocytes Development and IGF Signaling in Gilthead Sea Bream (Sparus aurata). PLoS ONE, 2016, 11, e0147618.	1.1	48
49	Insulin-receptor binding in skeletal muscle of trout. Fish Physiology and Biochemistry, 1991, 9, 351-360.	0.9	47
50	Metabolic changes in Brycon cephalus (Teleostei, Characidae) during post-feeding and fasting. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 132, 467-476.	0.8	47
51	Insulin and insulin-like growth factor I signaling pathways in rainbow trout (Oncorhynchus mykiss) during adipogenesis and their implication in glucose uptake. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R33-R41.	0.9	47
52	Effect of dietary fish meal and fish oil replacement on lipogenic and lipoprotein lipase activities and plasma insulin in gilthead sea bream (Sparus aurata). Aquaculture Nutrition, 2011, 17, 54-63.	1.1	47
53	Changes in adipocyte cell size, gene expression of lipid metabolism markers, and lipolytic responses induced by dietary fish oil replacement in gilthead sea bream (Sparus aurata L.). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2011, 158, 391-399.	0.8	46
54	Annual and daily variations of plasma cortisol in sea bass, Dicentrarchus labrax L.. Aquaculture, 1990, 91, 171-178.	1.7	45

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55	Up-regulation of insulin binding in fish skeletal muscle by high insulin levels. Regulatory Peptides, 1994, 53, 211-222.	1.9	43
56	Regulation of lipolysis in isolated adipocytes of rainbow trout (Oncorhynchus mykiss): The role of insulin and glucagon. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2005, 142, 347-354.	0.8	43
57	Growth-promoting effects of sustained swimming in fingerlings of gilthead sea bream (Sparus aurata) Tj ETQq1 1 0.784314 rgBT /Ove 185, 859-868.	0.7	43
58	Metabolic Effects of Insulin and IGFs on Gilthead Sea Bream (Sparus aurata) Muscle Cells. Frontiers in Endocrinology, 2012, 3, 55.	1.5	41
59	Insulin and IGF-I receptors in trout adipose tissue are physiologically regulated by circulating hormone levels. Journal of Experimental Biology, 2000, 203, 1153-1159.	0.8	41
60	Plasma glucagon levels in different species of fish. General and Comparative Endocrinology, 1986, 63, 328-333.	0.8	40
61	mRNA expression of fatty acid transporters in rainbow trout: in vivo and in vitro regulation by insulin, fasting and inflammation and infection mediators. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, 177-188.	0.8	39
62	Adipose tissue and liver metabolic responses to different levels of dietary carbohydrates in gilthead sea bream (Sparus aurata). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 175, 72-81.	0.8	39
63	Insulin and IGF-I receptors in trout adipose tissue are physiologically regulated by circulating hormone levels. Journal of Experimental Biology, 2000, 203, 1153-9.	0.8	39
64	Environmental temperature increases plasma GH levels independently of nutritional status in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2003, 133, 17-26.	0.8	38
65	Loss of Smyhc1 or Hsp90Î±1 Function Results in Different Effects on Myofibril Organization in Skeletal Muscles of Zebrafish Embryos. PLoS ONE, 2010, 5, e8416.	1.1	38
66	Insulin and IGF-I Binding in Isolated Trout Cardiomyocytes. General and Comparative Endocrinology, 1996, 103, 264-272.	0.8	37
67	Insulin and insulin-like growth factor-I (IGF-I) binding in fish red muscle: regulation by high insulin levels. Regulatory Peptides, 1997, 68, 181-187.	1.9	37
68	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
69	Role of LXR in trout adipocytes: Target genes, hormonal regulation, adipocyte differentiation and relation to lipolysis. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, 120-126.	0.8	36
70	Characterisation and expression analysis of cathepsins and ubiquitin-proteasome genes in gilthead sea bream (Sparus aurata) skeletal muscle. BMC Research Notes, 2015, 8, 149.	0.6	36
71	Recombinant bovine growth hormone (rBGH) enhances somatic growth by regulating the GH-IGF axis in fingerlings of gilthead sea bream (Sparus aurata). General and Comparative Endocrinology, 2018, 257, 192-202.	0.8	36
72	Differential expression of two GH receptor mRNAs following temperature change in rainbow trout (Oncorhynchus mykiss). Journal of Endocrinology, 2006, 190, 29-37.	1.2	35

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73	Post-feeding levels of insulin and glucagon in trout (Salmo trutta fario). Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 104, 389-393.	0.7	34
74	Insulin and IGF-I effects on the proliferation of an osteoblast primary culture from sea bream (Sparus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	34
75	Variations in tissue reserves, plasma metabolites and pancreatic hormones during fasting in immature carp (Cyprinus carpio). Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 103, 357-363.	0.7	33
76	Effects of fasting and feeding on plasma amino acid levels in brown trout. Fish Physiology and Biochemistry, 1997, 16, 303-309.	0.9	33
77	Endocrine control of oleic acid and glucose metabolism in rainbow trout (Oncorhynchus mykiss) muscle cells in culture. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R562-R572.	0.9	33
78	Roles of leptin and ghrelin in adipogenesis and lipid metabolism of rainbow trout adipocytes in vitro. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 188, 40-48.	0.8	33
79	IGF-I and IGF-II effects on local IGF system and signaling pathways in gilthead sea bream (Sparus aurata) cultured myocytes. General and Comparative Endocrinology, 2016, 232, 7-16.	0.8	33
80	Gene expression profile during proliferation and differentiation of rainbow trout adipocyte precursor cells. BMC Genomics, 2017, 18, 347.	1.2	33
81	Annual cycle of plasma insulin and glucose of sea bass.Dicentrarchus labrax, L.. Fish Physiology and Biochemistry, 1987, 4, 137-141.	0.9	32
82	Regulation of plasma insulin-like growth factor-I levels in brown trout (Salmo trutta). Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1999, 124, 33-40.	0.5	32
83	Effects of sustained exercise on GH-IGFs axis in gilthead sea bream (<i>Sparus aurata</i>). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R313-R322.	0.9	32
84	Glycemic and insulin responses in white sea bream Diplodus sargus, after intraperitoneal administration of glucose. Fish Physiology and Biochemistry, 2012, 38, 645-652.	0.9	31
85	Regulation of lipoprotein lipase gene expression by insulin and troglitazone in rainbow trout (Oncorhynchus mykiss) adipocyte cells in culture. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 161, 83-88.	0.8	31
86	Interplay of adiponectin, TNFÎ± and insulin on gene expression, glucose uptake and PPARÎ³, AKT and TOR pathways in rainbow trout cultured adipocytes. General and Comparative Endocrinology, 2014, 205, 218-225.	0.8	31
87	The effects of starvation and refeeding on plasma amino acid levels in carp, Cyprinus carpio L., 1758. Journal of Fish Biology, 1991, 38, 587-598.	0.7	30
88	Insulin/IGF-I binding ratio in skeletal and cardiac muscles of vertebrates: a phylogenetic approach. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1995, 269, R1370-R1377.	0.9	30
89	Fish Insulin, IGF-I and IGF-II Receptors: A Phylogenetic Approach1. American Zoologist, 2000, 40, 223-233.	0.7	29
90	Blackspot seabream (Pagellus bogaraveo) lipogenic and glycolytic pathways appear to be more related to dietary protein level than dietary starch type. Aquaculture, 2009, 291, 101-110.	1.7	29

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91	Hepatic extraction of circulating insulin and glucagon in brown trout(Salmo trutta fario) after glucose and arginine injection. The Journal of Experimental Zoology, 1993, 267, 416-422.	1.4	28
92	Insulin binding to liver plasma membranes of coho salmon during smoltification. General and Comparative Endocrinology, 1991, 82, 466-475.	0.8	27
93	Insulin binding to liver plasma membranes in salmonids with modified plasma insulin levels. Canadian Journal of Zoology, 1991, 69, 2745-2750.	0.4	27
94	Regulation of LXR by fatty acids, insulin, growth hormone and tumor necrosis factor-Î± in rainbow trout myocytes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2011, 160, 125-136.	0.8	27
95	Tributyltin and triphenyltin exposure promotes in vitro adipogenic differentiation but alters the adipocyte phenotype in rainbow trout. Aquatic Toxicology, 2017, 188, 148-158.	1.9	27
96	Characterization and endocrine regulation of proliferation and differentiation of primary cultured preadipocytes from gilthead sea bream (Sparus aurata). Domestic Animal Endocrinology, 2013, 45, 1-10.	0.8	26
97	Insulin, IGF-I, and muscle MAPK pathway responses after sustained exercise and their contribution to growth and lipid metabolism regulation in gilthead sea bream. Domestic Animal Endocrinology, 2013, 45, 145-153.	0.8	25
98	Effects of different dietary vegetable oils on growth and intestinal performance, lipid metabolism and flesh quality in gilthead sea bream. Aquaculture, 2020, 519, 734881.	1.7	25
99	Insulin binding to isolated hepatocytes of Atlantic salmon and rainbow trout. Fish Physiology and Biochemistry, 1993, 11, 401-409.	0.9	24
100	Contribution of in vitro myocytes studies to understanding fish muscle physiology. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 199, 67-73.	0.7	24
101	Temperature Affects Musculoskeletal Development and Muscle Lipid Metabolism of Gilthead Sea Bream (Sparus aurata). Frontiers in Endocrinology, 2019, 10, 173.	1.5	24
102	Insulin binding and receptor tyrosine kinase activity in skeletal muscle of carnivorous and omnivorous fish. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1994, 266, R1944-R1950.	0.9	22
103	Receptors for Insulin-like Growth Factor-I (IGF-I) Predominate over Insulin Receptors in Skeletal Muscle Throughout the Life Cycle of Brown Trout, Salmo trutta. General and Comparative Endocrinology, 2001, 122, 148-157.	0.8	22
104	Moderate and sustained exercise modulates muscle proteolytic and myogenic markers in gilthead sea bream (<i>Sparus aurata</i>). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R643-R653.	0.9	22
105	Temperature responsiveness of gilthead sea bream bone; an in vitro and in vivo approach. Scientific Reports, 2018, 8, 11211.	1.6	21
106	Naturally Occurring Stable Isotopes Reflect Changes in Protein Turnover and Growth in Gilthead Sea Bream (Sparus aurata) Juveniles under Different Dietary Protein Levels. Journal of Agricultural and Food Chemistry, 2013, 61, 8924-8933.	2.4	20
107	Proteolytic systemsâ€™ expression during myogenesis and transcriptional regulation by amino acids in gilthead sea bream cultured muscle cells. PLoS ONE, 2017, 12, e0187339.	1.1	20
108	Fatty acids from fish or vegetable oils promote the adipogenic fate of mesenchymal stem cells derived from gilthead sea bream bone potentially through different pathways. PLoS ONE, 2019, 14, e0215926.	1.1	20

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109	Regulatory mechanisms involved in muscle and bone remodeling during refeeding in gilthead sea bream. Scientific Reports, 2020, 10, 184.	1.6	19
110	Seasonal variations of insulin and some metabolites in dogfish plasma, Scyliorhinus canicula, L. General and Comparative Endocrinology, 1988, 70, 1-8.	0.8	18
111	A long-term growth hormone treatment stimulates growth and lipolysis in gilthead sea bream juveniles. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 232, 67-78.	0.8	18
112	Annual cycle of plasma lipids in sea bass, Dicentrarchus labrax L.: Effects of environmental conditions and reproductive cycle. Comparative Biochemistry and Physiology A, Comparative Physiology, 1989, 93, 407-412.	0.7	17
113	Adipogenic Gene Expression in Gilthead Sea Bream Mesenchymal Stem Cells from Different Origin. Frontiers in Endocrinology, 2016, 7, 113.	1.5	17
114	Ghrelin and Its Receptors in Gilthead Sea Bream: Nutritional Regulation. Frontiers in Endocrinology, 2018, 9, 399.	1.5	17
115	Insulin-family peptideâ€“receptor interaction at the early stage of vertebrate evolution. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 121, 57-63.	0.7	16
116	Effects of variable protein and lipid proportion in gilthead sea bream (<i>Sparus aurata</i>) diets on fillet structure and quality. Aquaculture Nutrition, 2013, 19, 368-381.	1.1	15
117	Effect of bonito insulin injection on plasma immunoreactive glucagon levels and carbohydrate and lipid metabolism of sea bass (Dicentrarchus labrax). Comparative Biochemistry and Physiology A, Comparative Physiology, 1989, 94, 33-36.	0.7	14
118	Some plasma hormones and metabolites in the Pyrenean brown trout (Salmo trutta fario). Comparative Biochemistry and Physiology A, Comparative Physiology, 1991, 100, 919-923.	0.7	14
119	Title is missing!. Fish Physiology and Biochemistry, 1999, 20, 341-349.	0.9	14
120	Sustained swimming enhances white muscle capillarisation and growth by hyperplasia in gilthead sea bream (Sparus aurata) fingerlings. Aquaculture, 2019, 501, 397-403.	1.7	14
121	Effect of guar gum on glucose and lipid metabolism in white sea bream Diplodus sargus. Fish Physiology and Biochemistry, 2013, 39, 159-169.	0.9	13
122	Proteomic characterization of primary cultured myocytes in a fish model at different myogenesis stages. Scientific Reports, 2019, 9, 14126.	1.6	13
123	Caffeic acid and hydroxytyrosol have anti-obesogenic properties in zebrafish and rainbow trout models. PLoS ONE, 2017, 12, e0178833.	1.1	13
124	Estimates of fish glucagon by heterologous radioimmunoassay: antibody selection and cross-reactivities. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1995, 110, 313-319.	0.5	11
125	Breeding selection of rainbow trout for high or low muscle adiposity differentially affects lipogenic capacity and lipid mobilization strategies to cope with food deprivation. Aquaculture, 2018, 495, 161-171.	1.7	11
126	Isolation and primary structure of glucagon from the endocrine pancreas of Thunnus obesus. General and Comparative Endocrinology, 1991, 83, 227-232.	0.8	10

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127	Fish Insulin, IGF-I and IGF-II Receptors: A Phylogenetic Approach. American Zoologist, 2000, 40, 223-233.	0.7	10
128	Cloning and characterization of myogenin from seabream (Sparus aurata) and analysis of promoter muscle specificity. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2008, 3, 128-139.	0.4	10
129	Gene expression analyses in malformed skeletal structures of gilthead sea bream (<i>Sparus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.9	10
130	Autoradiographic and immunohistochemical localization of insulin-like growth factor-I receptor binding sites in brain of the brown trout, Salmo trutta. General and Comparative Endocrinology, 2005, 141, 203-213.	0.8	9
131	Regulation of lipid metabolism and peroxisome proliferator-activated receptors in rainbow trout adipose tissue by lipolytic and antilipolytic endocrine factors. Domestic Animal Endocrinology, 2015, 51, 86-95.	0.8	9
132	Short-Term Responses to Fatty Acids on Lipid Metabolism and Adipogenesis in Rainbow Trout (Oncorhynchus mykiss). International Journal of Molecular Sciences, 2020, 21, 1623.	1.8	9
133	Effects of Insulin-Like Growth Factor I (Igf-I) On Steroid Production By Isolated Ovarian Theca and Granulosa Layers of Preovulatory Coho Salmon. Animal Biology, 1994, 45, 143-146.	0.4	8
134	Lamprey but not Porcine Insulin Binds with Different Affinity to Lamprey and Rat Hepatocytes. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1997, 116, 135-139.	0.5	8
135	Appearance of insulin and insulin-like growth factor-I (IGF-I) receptors throughout the ontogeny of brown trout (Salmo trutta fario). Growth Hormone and IGF Research, 1998, 8, 195-204.	0.5	8
136	Title is missing!. Fish Physiology and Biochemistry, 2001, 25, 239-248.	0.9	8
137	Stable Isotope Analysis Combined with Metabolic Indices Discriminates between Gilthead Sea Bream (<i>Sparus aurata</i>) Fingerlings Produced in Various Hatcheries. Journal of Agricultural and Food Chemistry, 2011, 59, 10261-10270.	2.4	7
138	Genistein Induces Adipogenic and Autophagic Effects in Rainbow Trout (Oncorhynchus mykiss) Adipose Tissue: In Vitro and In Vivo Models. International Journal of Molecular Sciences, 2020, 21, 5884.	1.8	7
139	Myomixer is expressed during embryonic and post-larval hyperplasia, muscle regeneration and differentiation of myoblats in rainbow trout (Oncorhynchus mykiss). Gene, 2021, 790, 145688.	1.0	7
140	Diet and Exercise Modulate GH-IGFs Axis, Proteolytic Markers and Myogenic Regulatory Factors in Juveniles of Gilthead Sea Bream (Sparus aurata). Animals, 2021, 11, 2182.	1.0	7
141	Metabolic responses to glucoprivation induced by 2-deoxy-D-glucose in Brycon cephalus (Teleostei,) Tj ETQq1 1 0.784314 rgBT /Overloc Physiology, 2004, 174, 91-96.	0.7	6
142	Dietary effects on insulin and glucagon plasma levels in rainbow trout (<i>Oncorhynchus mykiss</i>) and gilthead sea bream (<i>Sparus aurata</i>). Aquaculture Nutrition, 2009, 15, 166-176.	1.1	6
143	Growth and nutrient utilisation of blackspot seabream (Pagellus bogaraveo) under different feeding regimes. Fish Physiology and Biochemistry, 2010, 36, 1113-1124.	0.9	6
144	The combination of palm and rapeseed oils emerges as a good dietary alternative for optimal growth and balanced lipid accumulation in juvenile gilthead sea bream reared at an elevated temperature. Aquaculture, 2020, 526, 735396.	1.7	6

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145	Mitochondrial Adaptation to Diet and Swimming Activity in Gilthead Seabream: Improved Nutritional Efficiency. Frontiers in Physiology, 2021, 12, 678985.	1.3	6
146	The Emerging Role of Long Non-Coding RNAs in Development and Function of Gilthead Sea Bream (Sparus aurata) Fast Skeletal Muscle. Cells, 2022, 11, 428.	1.8	6
147	Amino acid levels in whole blood and plasma of Scyliorhinus canicula. Comparative Biochemistry and Physiology A, Comparative Physiology, 1987, 87, 57-61.	0.7	5
148	Dietary fructose does not specifically induce hepatic glucokinase expression in rainbow trout. Journal of Fish Biology, 2001, 59, 455-458.	0.7	5
149	Effects of Î²2-adrenoceptor agonists on gilthead sea bream (Sparus aurata) cultured muscle cells. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 227, 179-193.	0.8	5
150	Peptide receptor assays: insulin receptor. Biochemistry and Molecular Biology of Fishes, 1994, 3, 431-446.	0.5	4
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