Isabel Navarro

List of Publications by Year
in descending order

84 papers	3,682 citations	106120 35 h-index	150159 56 g-index
87 all docs	87 docs citations	87 times ranked	3372 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.	1.8	401
2	Chapter 17 Fasting and starvation. Biochemistry and Molecular Biology of Fishes, 1995, 4, 393-434.	0.0	178
3	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.	1.9	148
4	A Spanish Pillbox App for Elderly Patients Taking Multiple Medications: Randomized Controlled Trial. Journal of Medical Internet Research, 2014, 16, e99.	4.5	141
5	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.	1.8	115
6	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.	1.8	97
7	A systematic review of patient medication error on self-administering medication at home. Expert Opinion on Drug Safety, 2015, 14, 815-838.	2.5	86
8	Ontogeny and Physiology of the Digestive System of Marine Fish Larvae. , 2008, , 281-348.		82
9	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.	1.8	78
10	Regulation of lipoprotein lipase activity in rainbow trout (Oncorhynchus mykiss) tissues. General and Comparative Endocrinology, 2006, 146, 226-235.	1.8	65
11	IGF-I and insulin receptor signal transduction in trout muscle cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R1683-R1690.	1.9	64
12	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.	1.8	60
13	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.	1.8	57
14	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.	1.8	55
15	Circadian rhythms of gene expression of lipid metabolism in Gilthead Sea bream liver: Synchronisation to light and feeding time. Chronobiology International, 2014, 31, 613-626.	2.0	55
16	Functional characterization of an insulin-responsive glucose transporter (GLUT4) from fish adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E348-E357.	3.7	54
17	Identification of a Type II Insulin-Like Growth Factor Receptor in Fish Embryos*. Endocrinology, 2001, 142, 1090-1097.	2.8	53
18	Differential effects on proliferation of GH and IGFs in sea bream (Sparus aurata) cultured myocytes. General and Comparative Endocrinology, 2011, 172, 44-49.	1.8	53

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19	Adiponectin effects and gene expression in rainbow trout: an in vivo and in vitro approach. Journal of Experimental Biology, 2012, 215, 1373-1383.	1.7	53
20	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.	1.9	52
21	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.	1.8	52
22	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.	1.8	51
23	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.	2.5	51
24	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.	1.8	50
25	Glucagon and insulin response to dietary carbohydrate in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2004, 139, 48-54.	1.8	49
26	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.	3.5	49
27	Lysine and Leucine Deficiencies Affect Myocytes Development and IGF Signaling in Gilthead Sea Bream (Sparus aurata). PLoS ONE, 2016, 11, e0147618.	2.5	48
28	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.	1.8	45
29	Environmental temperature increases plasma GH levels independently of nutritional status in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2003, 133, 17-26.	1.8	41
30	Metabolic Effects of Insulin and IGFs on Gilthead Sea Bream (Sparus aurata) Muscle Cells. Frontiers in Endocrinology, 2012, 3, 55.	3.5	41
31	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.	1.8	41
32	Targets for TNFÎ±-induced lipolysis in gilthead sea bream(Sparus aurata L.) adipocytes isolated from lean and fat juvenile fish. Journal of Experimental Biology, 2009, 212, 2254-2260.	1.7	40
33	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.	1.8	39
34	Response of hexokinase enzymes and the insulin system to dietary carbohydrates in the common carp,Cyprinus carpio. Reproduction, Nutrition, Development, 2004, 44, 233-242.	1.8	38
35	De novo lipogenesis in Atlantic salmon adipocytes. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 86-96.	2.5	38
36	Plant oils' inclusion in high fish meal-substituted diets: effect on digestion and nutrient absorption in gilthead sea bream (Sparus aurata L.). Aquaculture Research, 2011, 42, 962-974.	1.8	37

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37	Characterisation and expression analysis of cathepsins and ubiquitin-proteasome genes in gilthead sea bream (Sparus aurata) skeletal muscle. BMC Research Notes, 2015, 8, 149.	1.4	37
38	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.	1.8	37
39	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.	1.8	36
40	Gene expression profile during proliferation and differentiation of rainbow trout adipocyte precursor cells. BMC Genomics, 2017, 18, 347.	2.9	36
41	Tumour necrosis factor (TNF)Î± as a regulator of fat tissue mass in the Mediterranean gilthead sea bream (Sparus aurata L.). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 146, 338-345.	1.7	34
42	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	1.8	34
43	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.	1.8	34
44	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.	1.9	33
45	Effects of sustained exercise on GH-IGFs axis in gilthead sea bream (Sparus aurata). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R313-R322.	1.9	33
46	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.	1.8	33
47	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.	1.8	32
48	Tributyltin and triphenyltin exposure promotes in vitro adipogenic differentiation but alters the adipocyte phenotype in rainbow trout. Aquatic Toxicology, 2017, 188, 148-158.	4.0	30
49	Fish Insulin, IGF-I and IGF-II Receptors: A Phylogenetic Approach1. American Zoologist, 2000, 40, 223-233.	0.7	29
50	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.	1.8	27
51	Temperature Affects Musculoskeletal Development and Muscle Lipid Metabolism of Gilthead Sea Bream (Sparus aurata). Frontiers in Endocrinology, 2019, 10, 173.	3.5	27
52	Contribution of in vitro myocytes studies to understanding fish muscle physiology. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 199, 67-73.	1.7	25
53	Proteolytic systemsâ€™ expression during myogenesis and transcriptional regulation by amino acids in gilthead sea bream cultured muscle cells. PLoS ONE, 2017, 12, e0187339.	2.5	25
54	Endogenous morphine and codeine: Release by the chromaffin cells of the eel. Life Sciences, 1993, 52, PL117-PL121.	4.4	24

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55	In vivo and in vitro insulin and fasting control of the transmembrane fatty acid transport proteins in Atlantic salmon (Salmo salar). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R947-R957.	1.9	24
56	Moderate and sustained exercise modulates muscle proteolytic and myogenic markers in gilthead sea bream (Sparus aurata). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R643-R653.	1.9	24
57	Identification of a Type II Insulin-Like Growth Factor Receptor in Fish Embryos. Endocrinology, 2001, 142, 1090-1097.	2.8	23
58	Temperature responsiveness of gilthead sea bream bone; an in vitro and in vivo approach. Scientific Reports, 2018, 8, 11211.	3.4	21
59	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.	2.5	20
60	Ghrelin and Its Receptors in Gilthead Sea Bream: Nutritional Regulation. Frontiers in Endocrinology, 2018, 9, 399.	3.5	19
61	Photoperiod Manipulation Affects Transcriptional Profile of Genes Related to Lipid Metabolism and Apoptosis in Zebrafish (Danio rerio) Larvae: Potential Roles of Gut Microbiota. Microbial Ecology, 2020, 79, 933-946.	3.0	19
62	Alteration of cellular lipids and lipid metabolism markers in RTL-W1 cells exposed to model endocrine disrupters. Aquatic Toxicology, 2015, 165, 277-285.	4.0	18
63	Adipogenic Gene Expression in Gilthead Sea Bream Mesenchymal Stem Cells from Different Origin. Frontiers in Endocrinology, 2016, 7, 113.	3.5	18
64	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.	1.8	18
65	The probiotic Lactobacillus rhamnosus mimics the dark-driven regulation of appetite markers and melatonin receptors' expression in zebrafish (Danio rerio) larvae: Understanding the role of the gut microbiome. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 256, 110634.	1.7	18
66	Caffeic acid and hydroxytyrosol have anti-obesogenic properties in zebrafish and rainbow trout models. PLoS ONE, 2017, 12, e0178833.	2.5	16
67	Assessment of the quality of medication information for patients in Spain. Expert Opinion on Drug Safety, 2013, 12, 9-18.	2.5	13
68	Dietary protein source and protein/carbohydrate ratio affects appetite regulation-related genes expression in gilthead seabream (Sparus aurata). Aquaculture, 2021, 533, 736142.	3.5	13
69	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.	3.5	12
70	Fish Insulin, IGF-I and IGF-II Receptors: A Phylogenetic Approach. American Zoologist, 2000, 40, 223-233.	0.7	11
71	Gene expression analyses in malformed skeletal structures of gilthead sea bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	11
72	Short-Term Responses to Fatty Acids on Lipid Metabolism and Adipogenesis in Rainbow Trout (Oncorhynchus mykiss). International Journal of Molecular Sciences, 2020, 21, 1623.	4.2	9

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73	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.	4.2	8
74	Dietary supplementation with Aloe vera induces hepatic steatosis and oxidative stress together with a disruption of cellular signaling pathways and lipid metabolism related genes' expression in gilthead sea bream (Sparus aurata). Aquaculture, 2022, 559, 738433.	3.5	7
75	Gilthead seabream (Sparus aurata) in vitro adipogenesis and its endocrine regulation by leptin, ghrelin, and insulin. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 249, 110772.	1.8	6
76	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.	3.5	6
77	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.	1.8	5
78	Musculoskeletal Growth Modulation in Gilthead Sea Bream Juveniles Reared at High Water Temperature and Fed with Palm and Rapeseed Oils-Based Diets. Animals, 2021, 11, 260.	2.3	5
79	Characterization data of gilthead sea bream (Sparus aurata) IGF-I receptors (IGF-IRa/Rb). Data in Brief, 2016, 6, 507-513.	1.1	4
80	The autophagy response during adipogenesis of primary cultured rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 2022, 258, 110700.	1.7	4
81	Predicting dissatisfaction following total hip arthroplasty using a Bayesian model averaging approach: Results from the Australian Arthroplasty Clinical Outcomes Registry National (ACORN). ANZ Journal of Surgery, 2021, 91, 1908-1913.	0.7	3
82	Feeding frequency and dietary protein/carbohydrate ratio affect feed intake and appetite regulation-related genes expression in gilthead seabream (Sparus aurata). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 267, 111168.	1.8	3
83	The special issue on the 17th International Congress of Comparative Endocrinology, (ICCE 2013). General and Comparative Endocrinology, 2014, 205, 1-3.	1.8	0
84	Editorial: Control of Adipocyte Differentiation and Metabolism. Frontiers in Endocrinology, 2015, 6, 132.	3.5	0