Juan Fuentes

List of Publications by Year in descending order

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72 papers	1,898 citations	218592 26 h-index	276775 41 g-index
75 all docs	75 docs citations	75 times ranked	1541 citing authors

#	Article	IF	Citations
1	Dietary Butyrate Helps to Restore the Intestinal Status of a Marine Teleost (Sparus aurata) Fed Extreme Diets Low in Fish Meal and Fish Oil. PLoS ONE, 2016, 11, e0166564.	1.1	146
2	Branchial osmoregulatory response to salinity in the gilthead sea bream,Sparus auratus. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 563-576.	1.3	118
3	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
4	Calcium balance in sea bream (Sparus aurata): the effect of oestradiol-17beta. Journal of Endocrinology, 2002, 173, 377-385.	1.2	89
5	Adaptation to different salinities exposes functional specialization in the intestine of the sea bream (Sparus aurata L.). Journal of Experimental Biology, 2013, 216, 470-9.	0.8	73
6	Expression of pituitary prolactin, growth hormone and somatolactin is modified in response to different stressors (salinity, crowding and food-deprivation) in gilthead sea bream Sparus auratus. General and Comparative Endocrinology, 2009, 162, 293-300.	0.8	59
7	Cloning of the cDNA for Sea Bream (Sparus aurata) Parathyroid Hormone-Related Protein. General and Comparative Endocrinology, 2000, 118, 373-382.	0.8	51
8	Variations in the expression of vasotocin and isotocin receptor genes in the gilthead sea bream Sparus aurata during different osmotic challenges. General and Comparative Endocrinology, 2014, 197, 5-17.	0.8	51
9	Isolation of a novel aquaglyceroporin from a marine teleost (Sparus auratus): function and tissue distribution. Journal of Experimental Biology, 2004, 207, 1217-1227.	0.8	50
10	Novel bioactive parathyroid hormone and related peptides in teleost fish. FEBS Letters, 2006, 580, 291-299.	1.3	49
11	Parathyroid hormone-related protein: a calcium regulatory factor in sea bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Physiology, 2001, 281, R855-R860.	0.9	47
12	Water absorption and bicarbonate secretion in the intestine of the sea bream are regulated by transmembrane and soluble adenylyl cyclase stimulation. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 1069-1080.	0.7	46
13	Title is missing!. Aquaculture International, 1997, 5, 217-227.	1.1	44
14	Determination of tissue and plasma concentrations of PTHrP in fish: development and validation of a radioimmunoassay using a teleost 1â€“34 N-terminal peptide. General and Comparative Endocrinology, 2003, 133, 146-153.	0.8	41
15	Parathyroid hormone-related protein regulates intestinal calcium transport in sea bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 291, R1499-R1506.	0.9	41
16	Drinking in Atlantic salmon presmolts (Salmo salar L.) and juvenile rainbow trout (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	38
17	Gene structure, transcripts and calciotropic effects of the PTH family of peptides in Xenopus and chicken. BMC Evolutionary Biology, 2010, 10, 373.	3.2	34
18	The P-type ATPase inhibiting potential of polyoxotungstates. Metallomics, 2018, 10, 287-295.	1.0	34

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19	Inhibition of Na+/K+- and Ca2+-ATPase activities by phosphotetradecavanadate. Journal of Inorganic Biochemistry, 2019, 197, 110700.	1.5	34
20	Effect of manipulation of the renin-angiotensin system in control of drinking in juvenile Atlantic salmon (Salmosalar L) in fresh water and after transfer to sea water. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1997, 167, 438-443.	0.7	32
21	Drinking in Atlantic Salmon Presmolts and Smolts in Response to Growth Hormone and Salinity. Comparative Biochemistry and Physiology A, Comparative Physiology, 1997, 117, 487-491.	0.7	31
22	Prolactin regulates luminal bicarbonate secretion in the intestine of the sea bream (Sparus auratus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	29
23	AVT is involved in the regulation of ion transport in the intestine of the sea bream (Sparus aurata). General and Comparative Endocrinology, 2013, 193, 221-228.	0.8	29
24	PRL and GH synthesis and release from the sea bream (Sparus auratus L.) pituitary gland in vitro in response to osmotic challenge. General and Comparative Endocrinology, 2010, 168, 95-102.	0.8	28
25	Parathyroid hormone-related protein-stanniocalcin antagonism in regulation of bicarbonate secretion and calcium precipitation in a marine fish intestine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R150-R158.	0.9	28
26	Drinking rate in juvenile Atlantic salmon,Salmo salar L fry in response to a nitric oxide donor, sodium nitroprusside and an inhibitor of angiotensin converting enzyme, enalapril. Fish Physiology and Biochemistry, 1996, 15, 65-69.	0.9	26
27	AVT and IT regulate ion transport across the opercular epithelium of killifish (Fundulus heteroclitus) Tj ETQq1 1 0.784314 rgBT /Overlo & Integrative Physiology, 2015, 182, 93-101.	0.8	26
28	Alternative formulations for gilthead seabream diets: Towards a more sustainable production. Aquaculture Nutrition, 2020, 26, 444-455.	1.1	26
29	Water calcium concentration modifies whole-body calcium uptake in sea bream larvae during short-term adaptation to altered salinities. Journal of Experimental Biology, 2004, 207, 645-653.	0.8	24
30	Intestinal response to salinity challenge in the Senegalese sole (Solea senegalensis). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 204, 57-64.	0.8	24
31	Disruption of gut integrity and permeability contributes to enteritis in a fish-parasite model: a story told from serum metabolomics. Parasites and Vectors, 2019, 12, 486.	1.0	24
32	Increased intestinal carbonate precipitate abundance in the sea bream (Sparus aurata L.) in response to ocean acidification. PLoS ONE, 2019, 14, e0218473.	1.1	24
33	Isolation Driven Divergence in Osmoregulation in Galaxias maculatus (Jenyns, 1848) (Actinopterygii:) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	24
34	The regulatory action of estrogen and vasoactive intestinal peptide on prolactin secretion in sea bream (Sparus aurata, L.). General and Comparative Endocrinology, 2003, 131, 117-125.	0.8	23
35	Vasotocin and isotocin regulate aquaporin 1 function in the sea bream. Journal of Experimental Biology, 2015, 218, 684-693.	0.8	23
36	Survival rates and physiological recovery responses in the lesser-spotted catshark (Scyliorhinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Integrative Physiology, 2019, 233, 1-9.	0.8	23

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37	Drinking in Freshwater-Adapted Rainbow Trout Fry, Oncorhynchus mykiss (Walbaum), in Response to Angiotensin I, Angiotensin II, Angiotensin-Converting Enzyme Inhibition, and Receptor Blockade. Physiological Zoology, 1996, 69, 1555-1569.	1.5	23
38	Impact of Ocean Acidification on the Intestinal Microbiota of the Marine Sea Bream (Sparus aurata L.). Frontiers in Physiology, 2019, 10, 1446.	1.3	21
39	Cortisol and parathyroid hormone-related peptide are reciprocally modulated by negative feedback. General and Comparative Endocrinology, 2006, 148, 227-235.	0.8	18
40	A PTH/PTHrP receptor antagonist blocks the hypercalcemic response to estradiol-17Î². American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R956-R960.	0.9	18
41	High rates of intestinal bicarbonate secretion in seawater tilapia (Oreochromis mossambicus). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 207, 57-64.	0.8	18
42	Low dietary inclusion of nutraceuticals from microalgae improves feed efficiency and modifies intermediary metabolisms in gilthead sea bream (Sparus aurata). Scientific Reports, 2020, 10, 18676.	1.6	16
43	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
44	Endocrine regulation of carbonate precipitate formation in marine fish intestine by Stanniocalcin and PTHrP. Journal of Experimental Biology, 2014, 217, 1555-62.	0.8	15
45	Molecular and functional regionalization of bicarbonate secretion cascade in the intestine of the European sea bass (Dicentrarchus labrax). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 233, 53-64.	0.8	15
46	Regulation of calcium balance in the sturgeon Acipenser naccarii: a role for PTHrP. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R884-R893.	0.9	13
47	PACAP system evolution and its role in melanophore function in teleost fish skin. Molecular and Cellular Endocrinology, 2015, 411, 130-145.	1.6	13
48	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
49	Regulation of Bicarbonate Secretion in Marine Fish Intestine by the Calcium-Sensing Receptor. International Journal of Molecular Sciences, 2018, 19, 1072.	1.8	12
50	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
51	DAX1 regulatory networks unveil conserved and potentially new functions. Gene, 2013, 530, 66-74.	1.0	10
52	In vitro evaluation of the effect of a high plant protein diet and nucleotide supplementation on intestinal integrity in meagre (Argyrosomus regius). Fish Physiology and Biochemistry, 2013, 39, 1365-1370.	0.9	10
53	PTHrP regulates water absorption and aquaporin expression in the intestine of the marine sea bream (Sparus aurata, L.). General and Comparative Endocrinology, 2015, 213, 24-31.	0.8	10
54	More than one way to smoltify a salmon? Effects of dietary and light treatment on smolt development and seawater growth performance in Atlantic salmon. Aquaculture, 2021, 532, 736044.	1.7	10

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55	In vitro characterization of acid secretion in the gilthead sea bream (Sparus aurata) stomach. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 167, 52-58.	0.8	7
56	Bile salts regulate ion transport in the intestine of Senegalese sole. Aquaculture, 2018, 495, 842-848.	1.7	5
57	Aflatoxicosis Dysregulates the Physiological Responses to Crowding Densities in the Marine Teleost Gilthead Seabream (Sparus aurata). Animals, 2021, 11, 753.	1.0	5
58	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
59	Control of Calcium Balance in Fish. , 2007, , 427-495.		4
60	Ca2+-Calmodulin regulation of testicular androgen production in Mozambique tilapia (Oreochromis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	4
61	Melatonin concentrations during larval and postlarval development of gilthead sea bream Sparus auratus: more than a timeâ€keeping molecule?. Journal of Fish Biology, 2009, 75, 142-155.	0.7	4
62	Intestinal response to ocean acidification in the European sea bass (Dicentrarchus labrax). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 250, 110789.	0.8	4
63	Dysregulation of Intestinal Physiology by Aflatoxicosis in the Gilthead Seabream (Sparus aurata). Frontiers in Physiology, 2021, 12, 741192.	1.3	4
64	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
65	Ocean acidification compromises energy management in Sparus aurata (Pisces: Teleostei). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 256, 110911.	0.8	3
66	Biotechnological treatment of microalgae enhances growth performance, hepatic carbohydrate metabolism and intestinal physiology in gilthead seabream (Sparus aurata) juveniles close to commercial size. Aquaculture Reports, 2022, 25, 101248.	0.7	3
67	A noninvasive monitoring device for anesthetics in fish. Open Access Animal Physiology, 2010, , 17.	0.3	2
68	Control of Calcium Balance in Fish. , 2019, , 427-495.		2
69	Regulation of Stanniocalcin Secretion by Calcium and PTHrP in Gilthead Seabream (Sparus aurata). Biology, 2022, 11, 863.	1.3	1
70	16.P15. Branchial osmoregulatory response to salinity challenge in the Lusitanian toadfish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, S73-S74.	0.8	0
71	Integument structure and function in juvenile Xenopus laevis with disrupted thyroid balance. General and Comparative Endocrinology, 2011, 174, 301-308.	0.8	0
72	Osmoregulation. , 2019, , 354-374.		0