

Juan Fuentes

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71
papers

1,483
citations

23
h-index

35
g-index

75
ext. papers

1,767
ext. citations

3.2
avg, IF

4.33
L-index

#	Paper	IF	Citations
71	Branchial osmoregulatory response to salinity in the gilthead sea bream, <i>Sparus auratus</i> . <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005 , 303, 563-76		106
70	Calcium balance in sea bream (<i>Sparus aurata</i>): the effect of oestradiol-17beta. <i>Journal of Endocrinology</i> , 2002 , 173, 377-85	4.7	84
69	Food deprivation and refeeding in Atlantic salmon, <i>Salmo salar</i> : effects on brain and liver carbohydrate and ketone bodies metabolism. <i>Fish Physiology and Biochemistry</i> , 1996 , 15, 491-511	2.7	77
68	Dietary Butyrate Helps to Restore the Intestinal Status of a Marine Teleost (<i>Sparus aurata</i>) Fed Extreme Diets Low in Fish Meal and Fish Oil. <i>PLoS ONE</i> , 2016 , 11, e0166564	3.7	70
67	Adaptation to different salinities exposes functional specialization in the intestine of the sea bream (<i>Sparus aurata</i> L.). <i>Journal of Experimental Biology</i> , 2013 , 216, 470-9	3	61
66	Expression of pituitary prolactin, growth hormone and somatolactin is modified in response to different stressors (salinity, crowding and food-deprivation) in gilthead sea bream <i>Sparus auratus</i> . <i>General and Comparative Endocrinology</i> , 2009 , 162, 293-300	3	49
65	Isolation of a novel aquaglyceroporin from a marine teleost (<i>Sparus auratus</i>): function and tissue distribution. <i>Journal of Experimental Biology</i> , 2004 , 207, 1217-27	3	48
64	Cloning of the cDNA for sea bream (<i>Sparus aurata</i>) parathyroid hormone-related protein. <i>General and Comparative Endocrinology</i> , 2000 , 118, 373-82	3	47
63	Novel bioactive parathyroid hormone and related peptides in teleost fish. <i>FEBS Letters</i> , 2006 , 580, 291-93.8		44
62	Water absorption and bicarbonate secretion in the intestine of the sea bream are regulated by transmembrane and soluble adenylyl cyclase stimulation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012 , 182, 1069-80	2.2	42
61	Parathyroid hormone-related protein: a calcium regulatory factor in sea bream (<i>Sparus aurata</i> L.) larvae. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001 , 281, R855-60	3.2	42
60	Progressive transfer to seawater enhances intestinal and branchial Na ⁺ -K ⁺ -ATPase activity in non-anadromous rainbow trout. <i>Aquaculture International</i> , 1997 , 5, 217-227	2.6	41
59	Determination of tissue and plasma concentrations of PTHrP in fish: development and validation of a radioimmunoassay using a teleost 1-34 N-terminal peptide. <i>General and Comparative Endocrinology</i> , 2003 , 133, 146-53	3	39
58	Drinking in Atlantic salmon presmolts (<i>Salmo salar</i> L.) and juvenile rainbow trout (<i>Oncorhynchus mykiss</i> Walbaum) in response to cortisol and sea water challenge. <i>Aquaculture</i> , 1996 , 141, 129-137	4.4	36
57	Variations in the expression of vasotocin and isotocin receptor genes in the gilthead sea bream <i>Sparus aurata</i> during different osmotic challenges. <i>General and Comparative Endocrinology</i> , 2014 , 197, 5-17	3	35
56	Parathyroid hormone-related protein regulates intestinal calcium transport in sea bream (<i>Sparus auratus</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R1499-506	3.2	35
55	Gene structure, transcripts and calciotropic effects of the PTH family of peptides in <i>Xenopus</i> and chicken. <i>BMC Evolutionary Biology</i> , 2010 , 10, 373	3	31

54	Effect of manipulation of the renin-angiotensin system in control of drinking in juvenile Atlantic salmon (<i>Salmo salar</i> L) in fresh water and after transfer to sea water. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1997 , 167, 438-43	2.2	28
53	The P-type ATPase inhibiting potential of polyoxotungstates. <i>Metallomics</i> , 2018 , 10, 287-295	4.5	27
52	Drinking in Atlantic salmon presmolts and smolts in response to growth hormone and salinity. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997 , 117, 487-91		26
51	AVT is involved in the regulation of ion transport in the intestine of the sea bream (<i>Sparus aurata</i>). <i>General and Comparative Endocrinology</i> , 2013 , 193, 221-8	3	25
50	Prolactin regulates luminal bicarbonate secretion in the intestine of the sea bream (<i>Sparus aurata</i> L.). <i>Journal of Experimental Biology</i> , 2012 , 215, 3836-44	3	25
49	Parathyroid hormone-related protein-stanniocalcin antagonism in regulation of bicarbonate secretion and calcium precipitation in a marine fish intestine. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 299, R150-8	3.2	25
48	Inhibition of Na/K- and Ca-ATPase activities by phosphotetradecavanadate. <i>Journal of Inorganic Biochemistry</i> , 2019 , 197, 110700	4.2	23
47	PRL and GH synthesis and release from the sea bream (<i>Sparus auratus</i> L.) pituitary gland in vitro in response to osmotic challenge. <i>General and Comparative Endocrinology</i> , 2010 , 168, 95-102	3	23
46	Drinking rate in juvenile Atlantic salmon, <i>Salmo salar</i> L fry in response to a nitric oxide donor, sodium nitroprusside and an inhibitor of angiotensin converting enzyme, enalapril. <i>Fish Physiology and Biochemistry</i> , 1996 , 15, 65-9	2.7	23
45	Water calcium concentration modifies whole-body calcium uptake in sea bream larvae during short-term adaptation to altered salinities. <i>Journal of Experimental Biology</i> , 2004 , 207, 645-53	3	22
44	The regulatory action of estrogen and vasoactive intestinal peptide on prolactin secretion in sea bream (<i>Sparus aurata</i> , L.). <i>General and Comparative Endocrinology</i> , 2003 , 131, 117-25	3	21
43	Vasotocin and isotocin regulate aquaporin 1 function in the sea bream. <i>Journal of Experimental Biology</i> , 2015 , 218, 684-93	3	20
42	Drinking in Freshwater-Adapted Rainbow Trout Fry, <i>Oncorhynchus mykiss</i> (Walbaum), in Response to Angiotensin I, Angiotensin II, Angiotensin-Converting Enzyme Inhibition, and Receptor Blockade. <i>Physiological Zoology</i> , 1996 , 69, 1555-1569		20
41	A PTH/PTHrP receptor antagonist blocks the hypercalcemic response to estradiol-17beta. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R956-60	3.2	18
40	Intestinal response to salinity challenge in the Senegalese sole (<i>Solea senegalensis</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017 , 204, 57-64	2.6	15
39	AVT and IT regulate ion transport across the opercular epithelium of killifish (<i>Fundulus heteroclitus</i>) and gilthead sea bream (<i>Sparus aurata</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015 , 182, 93-101	2.6	15
38	Endocrine regulation of carbonate precipitate formation in marine fish intestine by stanniocalcin and PTHrP. <i>Journal of Experimental Biology</i> , 2014 , 217, 1555-62	3	15
37	Cortisol and parathyroid hormone-related peptide are reciprocally modulated by negative feedback. <i>General and Comparative Endocrinology</i> , 2006 , 148, 227-35	3	15

36	Isolation Driven Divergence in Osmoregulation in <i>Galaxias maculatus</i> (Jenyns, 1848) (Actinopterygii: Osmeriformes). <i>PLoS ONE</i> , 2016 , 11, e0154766	3.7	14
35	Disruption of gut integrity and permeability contributes to enteritis in a fish-parasite model: a story told from serum metabolomics. <i>Parasites and Vectors</i> , 2019 , 12, 486	4	13
34	Regulation of calcium balance in the sturgeon <i>Acipenser naccarii</i> : a role for PTHrP. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R884-93	3.2	13
33	High rates of intestinal bicarbonate secretion in seawater tilapia (<i>Oreochromis mossambicus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017 , 207, 57-64 ^{2.6}	2.6	12
32	The effect of seawater transfer in liver carbohydrate metabolism of domesticated rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993 , 105, 337-343		11
31	Alternative formulations for gilthead seabream diets: Towards a more sustainable production. <i>Aquaculture Nutrition</i> , 2020 , 26, 444-455	3.2	11
30	Molecular and functional regionalization of bicarbonate secretion cascade in the intestine of the European sea bass (<i>Dicentrarchus labrax</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019 , 233, 53-64	2.6	10
29	PTHrP regulates water absorption and aquaporin expression in the intestine of the marine sea bream (<i>Sparus aurata</i> , L.). <i>General and Comparative Endocrinology</i> , 2015 , 213, 24-31	3	10
28	The effect of gradual transfer to sea water on muscle carbohydrate metabolism of rainbow trout. <i>Journal of Fish Biology</i> , 1995 , 46, 509-523	1.9	10
27	Impact of Ocean Acidification on the Intestinal Microbiota of the Marine Sea Bream (L.). <i>Frontiers in Physiology</i> , 2019 , 10, 1446	4.6	10
26	Survival rates and physiological recovery responses in the lesser-spotted catshark (<i>Scyliorhinus canicula</i>) after bottom-trawling. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019 , 233, 1-9	2.6	9
25	Regulation of Bicarbonate Secretion in Marine Fish Intestine by the Calcium-Sensing Receptor. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	9
24	Seasonal changes in carbohydrate metabolism in the rainbow trout (<i>Oncorhynchus mykiss</i>) and their relationship to changes in gill (Na ⁺ -K ⁺)-ATPase activity. <i>Aquaculture</i> , 1992 , 108, 369-380	4.4	9
23	Increased intestinal carbonate precipitate abundance in the sea bream (<i>Sparus aurata</i> L.) in response to ocean acidification. <i>PLoS ONE</i> , 2019 , 14, e0218473	3.7	8
22	In vitro evaluation of the effect of a high plant protein diet and nucleotide supplementation on intestinal integrity in meagre (<i>Argyrosomus regius</i>). <i>Fish Physiology and Biochemistry</i> , 2013 , 39, 1365-70 ^{2.7}	2.7	8
21	In vitro characterization of acid secretion in the gilthead sea bream (<i>Sparus aurata</i>) stomach. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014 , 167, 52-8 ^{2.6}	2.6	7
20	DAX1 regulatory networks unveil conserved and potentially new functions. <i>Gene</i> , 2013 , 530, 66-74	3.8	7
19	PACAP system evolution and its role in melanophore function in teleost fish skin. <i>Molecular and Cellular Endocrinology</i> , 2015 , 411, 130-45	4.4	6

18	Low dietary inclusion of nutraceuticals from microalgae improves feed efficiency and modifies intermediary metabolisms in gilthead sea bream (<i>Sparus aurata</i>). <i>Scientific Reports</i> , 2020 , 10, 18676	4.9	5
17	Ca(2+)-Calmodulin regulation of testicular androgen production in Mozambique tilapia (<i>Oreochromis mossambicus</i>). <i>General and Comparative Endocrinology</i> , 2009 , 162, 153-9	3	4
16	Bile salts regulate ion transport in the intestine of Senegalese sole. <i>Aquaculture</i> , 2018 , 495, 842-848	4.4	3
15	Melatonin concentrations during larval and postlarval development of gilthead sea bream <i>Sparus auratus</i> : more than a time-keeping molecule?. <i>Journal of Fish Biology</i> , 2009 , 75, 142-55	1.9	3
14	Control of Calcium Balance in Fish 2007 , 427-495		3
13	Changes in muscle carbohydrate metabolism in domesticated rainbow trout (<i>Oncorhynchus mykiss</i>) after transfer to seawater. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993 , 104, 173-179		3
12	Aflatoxicosis Dysregulates the Physiological Responses to Crowding Densities in the Marine Teleost Gilthead Seabream (<i>Sparus aurata</i>). <i>Animals</i> , 2021 , 11,	3.1	3
11	Intestinal response to ocean acidification in the European sea bass (<i>Dicentrarchus labrax</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020 , 250, 110789	2.6	2
10	Preliminary studies on carbohydrate metabolism changes in domesticated rainbow trout (<i>Oncorhynchus mykiss</i>) transferred to diluted seawater (12 p.p.t.). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1991 , 98, 53-57		2
9	More than one way to smoltify a salmon? Effects of dietary and light treatment on smolt development and seawater growth performance in Atlantic salmon. <i>Aquaculture</i> , 2021 , 532, 736044	4.4	2
8	Marine fish intestine responds to ocean acidification producing more carbonate aggregates		1
7	Dysregulation of Intestinal Physiology by Aflatoxicosis in the Gilthead Seabream (<i>Sparus aurata</i>).. <i>Frontiers in Physiology</i> , 2021 , 12, 741192	4.6	1
6	A noninvasive monitoring device for anesthetics in fish. <i>Open Access Animal Physiology</i> , 2010 , 17		0
5	Ocean acidification compromises energy management in <i>Sparus aurata</i> (Pisces: Teleostei). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021 , 256, 110911	1.6	0
4	Regulation of Stanniocalcin Secretion by Calcium and PTHrP in Gilthead Seabream (<i>Sparus aurata</i>). <i>Biology</i> , 2022 , 11, 863	4.9	0
3	Integument structure and function in juvenile <i>Xenopus laevis</i> with disrupted thyroid balance. <i>General and Comparative Endocrinology</i> , 2011 , 174, 301-8	3	
2	Osmoregulation 2019 , 354-374		
1	Control of Calcium Balance in Fish 2019 , 427-495		

