Juan Fuentes

List of Publications by Year in Descending Order

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	Regulation of Stanniocalcin Secretion by Calcium and PTHrP in Gilthead Seabream (Sparus aurata). *Biology*, **2022**, 11, 863	4.9	0
70	Ocean acidification compromises energy management in Sparus aurata (Pisces: Teleostei). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2021**, 256, 110911	2.6	0
69	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	4.4	2
68	Aflatoxicosis Dysregulates the Physiological Responses to Crowding Densities in the Marine Teleost Gilthead Seabream (). *Animals*, **2021**, 11,	3.1	3
67	Dysregulation of Intestinal Physiology by Aflatoxicosis in the Gilthead Seabream ().. *Frontiers in Physiology*, **2021**, 12, 741192	4.6	1
66	Intestinal response to ocean acidification in the European sea bass (Dicentrarchus labrax). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2020**, 250, 110789	2.6	2
65	Alternative formulations for gilthead seabream diets: Towards a more sustainable production. *Aquaculture Nutrition*, **2020**, 26, 444-455	3.2	11
64	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	4.9	5
63	Increased intestinal carbonate precipitate abundance in the sea bream (Sparus aurata L.) in response to ocean acidification. *PLoS ONE*, **2019**, 14, e0218473	3.7	8
62	Inhibition of Na/K- and Ca-ATPase activities by phosphotetradecavanadate. *Journal of Inorganic Biochemistry*, **2019**, 197, 110700	4.2	23
61	Survival rates and physiological recovery responses in the lesser-spotted catshark (Scyliorhinus canicula) after bottom-trawling. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2019**, 233, 1-9	2.6	9
60	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	2.6	10
59	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	4	13
58	Osmoregulation **2019**, 354-374		
57	Control of Calcium Balance in Fish **2019**, 427-495		
56	Impact of Ocean Acidification on the Intestinal Microbiota of the Marine Sea Bream (L.). *Frontiers in Physiology*, **2019**, 10, 1446	4.6	10
55	The P-type ATPase inhibiting potential of polyoxotungstates. *Metallomics*, **2018**, 10, 287-295	4.5	27

54	Regulation of Bicarbonate Secretion in Marine Fish Intestine by the Calcium-Sensing Receptor. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	9
53	Bile salts regulate ion transport in the intestine of Senegalese sole. *Aquaculture*, **2018**, 495, 842-848	4.4	3
52	High rates of intestinal bicarbonate secretion in seawater tilapia (Oreochromis mossambicus). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2017**, 207, 57-64	2.6	12
51	Intestinal response to salinity challenge in the Senegalese sole (Solea senegalensis). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2017**, 204, 57-64	2.6	15
50	Isolation Driven Divergence in Osmoregulation in Galaxias maculatus (Jenyns, 1848) (Actinopterygii: Osmeriformes). *PLoS ONE*, **2016**, 11, e0154766	3.7	14
49	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	3.7	70
48	PACAP system evolution and its role in melanophore function in teleost fish skin. *Molecular and Cellular Endocrinology*, **2015**, 411, 130-45	4.4	6
47	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	3	10
46	AVT and IT regulate ion transport across the opercular epithelium of killifish (Fundulus heteroclitus) and gilthead sea bream (Sparus aurata). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2015**, 182, 93-101	2.6	15
45	Vasotocin and isotocin regulate aquaporin 1 function in the sea bream. *Journal of Experimental Biology*, **2015**, 218, 684-93	3	20
44	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	3	35
43	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, 52-8	2.6	7
42	Endocrine regulation of carbonate precipitate formation in marine fish intestine by stanniocalcin and PTHrP. *Journal of Experimental Biology*, **2014**, 217, 1555-62	3	15
41	DAX1 regulatory networks unveil conserved and potentially new functions. *Gene*, **2013**, 530, 66-74	3.8	7
40	AVT is involved in the regulation of ion transport in the intestine of the sea bream (Sparus aurata). *General and Comparative Endocrinology*, **2013**, 193, 221-8	3	25
39	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	3	61
38	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, 1365-70	2.7	8
37	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, 1069-80	2.2	42

36	Prolactin regulates luminal bicarbonate secretion in the intestine of the sea bream (Sparus aurata L.). *Journal of Experimental Biology*, **2012**, 215, 3836-44	3	25
35	Integument structure and function in juvenile Xenopus laevis with disrupted thyroid balance. *General and Comparative Endocrinology*, **2011**, 174, 301-8	3	
34	A noninvasive monitoring device for anesthetics in fish. *Open Access Animal Physiology*, **2010**, 17		0
33	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, R150-8	3.2	25
32	Gene structure, transcripts and calciotropic effects of the PTH family of peptides in Xenopus and chicken. *BMC Evolutionary Biology*, **2010**, 10, 373	3	31
31	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	3	23
30	Ca(2+)-Calmodulin regulation of testicular androgen production in Mozambique tilapia (Oreochromis mossambicus). *General and Comparative Endocrinology*, **2009**, 162, 153-9	3	4
29	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	3	49
28	Melatonin concentrations during larval and postlarval development of gilthead sea bream Sparus auratus: more than a time-keeping molecule?. *Journal of Fish Biology*, **2009**, 75, 142-55	1.9	3
27	A PTH/PTHrP receptor antagonist blocks the hypercalcemic response to estradiol-17beta. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 293, R956-60	3.2	18
26	Regulation of calcium balance in the sturgeon Acipenser naccarii: a role for PTHrP. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 293, R884-93	3.2	13
25	Control of Calcium Balance in Fish **2007**, 427-495		3
24	Cortisol and parathyroid hormone-related peptide are reciprocally modulated by negative feedback. *General and Comparative Endocrinology*, **2006**, 148, 227-35	3	15
23	Parathyroid hormone-related protein regulates intestinal calcium transport in sea bream (Sparus auratus). *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2006**, 291, R1499-506	3.2	35
22	Novel bioactive parathyroid hormone and related peptides in teleost fish. *FEBS Letters*, **2006**, 580, 291-9	3.8	44
21	Branchial osmoregulatory response to salinity in the gilthead sea bream, Sparus auratus. *Journal of Experimental Zoology Part A, Comparative Experimental Biology*, **2005**, 303, 563-76		106
20	Isolation of a novel aquaglyceroporin from a marine teleost (Sparus auratus): function and tissue distribution. *Journal of Experimental Biology*, **2004**, 207, 1217-27	3	48
19	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, 645-53	3	22

18	The regulatory action of estrogen and vasoactive intestinal peptide on prolactin secretion in sea bream (Sparus aurata, L.). *General and Comparative Endocrinology*, **2003**, 131, 117-25	3	21
17	Determination of tissue and plasma concentrations of PTHrP in fish: development and validation of a radioimmunoassay using a teleost 1-34 N-terminal peptide. *General and Comparative Endocrinology*, **2003**, 133, 146-53	3	39
16	Calcium balance in sea bream (Sparus aurata): the effect of oestradiol-17beta. *Journal of Endocrinology*, **2002**, 173, 377-85	4.7	84
15	Parathyroid hormone-related protein: a calcium regulatory factor in sea bream (Sparus aurata L.) larvae. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2001**, 281, R855-60	3.2	42
14	Cloning of the cDNA for sea bream (Sparus aurata) parathyroid hormone-related protein. *General and Comparative Endocrinology*, **2000**, 118, 373-82	3	47
13	Drinking in Atlantic salmon presmolts and smolts in response to growth hormone and salinity. *Comparative Biochemistry and Physiology A, Comparative Physiology*, **1997**, 117, 487-91		26
12	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
11	Effect of manipulation of the renin-angiotensin system in control of drinking in juvenile Atlantic salmon (Salmo salar L) in fresh water and after transfer to sea water. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **1997**, 167, 438-43	2.2	28
10	Drinking in Atlantic salmon presmolts (Salmo salar L.) and juvenile rainbow trout (Oncorhynchus mykiss Walbaum) in response to cortisol and sea water challenge. *Aquaculture*, **1996**, 141, 129-137	4.4	36
9	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, 65-9	2.7	23
8	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
7	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		20
6	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
5	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
4	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
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	Marine fish intestine responds to ocean acidification producing more carbonate aggregates		1