Juan A Martos-Sitcha

List of Publications by Year
in descending order

75 papers	2,156 citations	218381 26 h-index	253896 43 g-index
75 all docs	75 docs citations	75 times ranked	1866 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	Physiological responses of Senegalese sole (Solea senegalensis Kaup, 1858) after stress challenge: Effects on non-specific immune parameters, plasma free amino acids and energy metabolism. Aquaculture, 2011, 316, 68-76.	1.7	128
3	Essential Oils as Stress-Reducing Agents for Fish Aquaculture: A Review. Frontiers in Physiology, 2019, 10, 785.	1.3	87
4	Dietary supplementation of heat-treatedGracilariaandUlvaseaweeds enhanced acute hypoxia tolerance in gilthead seabream (Sparus aurata). Biology Open, 2017, 6, 897-908.	0.6	79
5	The influence of stocking density and food deprivation in silver catfish (Rhamdia quelen): A metabolic and endocrine approach. Aquaculture, 2015, 435, 257-264.	1.7	72
6	Gene expression profiling of whole blood cells supports a more efficient mitochondrial respiration in hypoxia-challenged gilthead sea bream (Sparus aurata). Frontiers in Zoology, 2017, 14, 34.	0.9	72
7	Influence of stocking density on growth, metabolism and stress of thick- lipped grey mullet (Chelon) Tj ETQq1 1 0.784314 rgBT /Over	1.7	71
8	Impact of low fish meal and fish oil diets on the performance, sex steroid profile and male-female sex reversal of gilthead sea bream (Sparus aurata) over a three-year production cycle. Aquaculture, 2018, 490, 64-74.	1.7	67
9	Impact of Air Exposure on Vasotocinergic and Isotocinergic Systems in Gilthead Sea Bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	66
10	Low stocking density negatively affects growth, metabolism and stress pathways in juvenile specimens of meagre (Argyrosomus regius, Asso 1801). Aquaculture, 2016, 451, 87-92.	1.7	61
11	Somatotropic Axis Regulation Unravels the Differential Effects of Nutritional and Environmental Factors in Growth Performance of Marine Farmed Fishes. Frontiers in Endocrinology, 2018, 9, 687.	1.5	56
12	Editorial: Welfare and Stressors in Fish: Challenges Facing Aquaculture. Frontiers in Physiology, 2020, 11, 162.	1.3	55
13	Different stressors induce differential responses of the CRH-stress system in the gilthead sea bream (Sparus aurata). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 177, 49-61.	0.8	53
14	Citrate gold nanoparticle exposure in the marine bivalve Ruditapes philippinarum: uptake, elimination and oxidative stress response. Environmental Science and Pollution Research, 2015, 22, 17414-17424.	2.7	52
15	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
16	Sedative effect of 2-phenoxyethanol and essential oil of Lippia alba on stress response in gilthead sea bream (Sparus aurata). Research in Veterinary Science, 2015, 103, 20-27.	0.9	48
17	The effects of ammonia and water hardness on the hormonal, osmoregulatory and metabolic responses of the freshwater silver catfish Rhamdia quelen. Aquatic Toxicology, 2014, 152, 341-352.	1.9	47
18	Tissue-Specific Orchestration of Gilthead Sea Bream Resilience to Hypoxia and High Stocking Density. Frontiers in Physiology, 2019, 10, 840.	1.3	47

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19	Influence of food deprivation and high stocking density on energetic metabolism and stress response in red porgy, Pagrus pagrus L. Aquaculture International, 2012, 20, 585-599.	1.1	38
20	Vasotocinergic and isotocinergic systems in the gilthead sea bream (Sparus aurata): An osmoregulatory story. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 571-581.	0.8	34
21	Ultra-Low Power Sensor Devices for Monitoring Physical Activity and Respiratory Frequency in Farmed Fish. Frontiers in Physiology, 2019, 10, 667.	1.3	32
22	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
23	Cortisol modulates vasotocinergic and isotocinergic pathways in the gilthead sea bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Over	0.8	29
24	Stress response in silver catfish (Rhamdia quelen) exposed to the essential oil of Hesperozygis ringens. Fish Physiology and Biochemistry, 2015, 41, 129-138.	0.9	29
25	Myrcia sylvatica essential oil mitigates molecular, biochemical and physiological alterations in Rhamdia quelen under different stress events associated to transport. Research in Veterinary Science, 2018, 117, 150-160.	0.9	28
26	Dietary sodium heptanoate helps to improve feed efficiency, growth hormone status and swimming performance in gilthead sea bream (Sparus aurata). Aquaculture Nutrition, 2018, 24, 1638-1651.	1.1	27
27	Selection for growth is associated in gilthead sea bream (Sparus aurata) with diet flexibility, changes in growth patterns and higher intestine plasticity. Aquaculture, 2019, 507, 349-360.	1.7	27
28	Unraveling the Tissue-Specific Gene Signatures of Gilthead Sea Bream (Sparus aurata L.) after Hyper- and Hypo-Osmotic Challenges. PLoS ONE, 2016, 11, e0148113.	1.1	27
29	AVT and IT regulate ion transport across the opercular epithelium of killifish (Fundulus heteroclitus) Tj ETQq1 1 0.784314 rgBT /Overl & Integrative Physiology, 2015, 182, 93-101.	0.8	26
30	Cloning and molecular ontogeny of digestive enzymes in fed and food-deprived developing gilthead seabream (Sparus aurata) larvae. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 191, 53-65.	0.7	26
31	Molecular performance of Prl and Gh/Igf1 axis in the Mediterranean meager, Argyrosomus regius, acclimated to different rearing salinities. Fish Physiology and Biochemistry, 2017, 43, 203-216.	0.9	25
32	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
33	Vasotocin and isotocin regulate aquaporin 1 function in the sea bream. Journal of Experimental Biology, 2015, 218, 684-693.	0.8	23
34	Starving/re-feeding processes induce metabolic modifications in thick-lipped grey mullet (Chelon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biology, 2015, 180, 57-67.	0.7	22
35	Unraveling vasotocinergic, isotocinergic and stress pathways after food deprivation and high stocking density in the gilthead sea bream. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 215, 35-44.	0.8	22
36	Cloning and expression pattern of facilitative glucose transporter 1 (GLUT1) in gilthead sea bream Sparus aurata in response to salinity acclimation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, 38-46.	0.8	21

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37	Effects of clove oil, essential oil of Lippia alba and 2-phe anaesthesia on juvenile meagre, Argyrosomus regius (Asso, 1801). Journal of Applied Ichthyology, 2016, 32, 693-700.	0.3	20
38	Characterization of the peripheral thyroid system of gilthead seabream acclimated to different ambient salinities. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 203, 24-31.	0.8	20
39	Gene expression of thyrotropin- and corticotrophin-releasing hormones is regulated by environmental salinity in the euryhaline teleost Sparus aurata. Fish Physiology and Biochemistry, 2018, 44, 615-628.	0.9	20
40	Effect of different salinities on gene expression and activity of digestive enzymes in the thick-lipped grey mullet (Chelon labrosus). Fish Physiology and Biochemistry, 2018, 44, 349-373.	0.9	20
41	Transport and Recovery of Gilthead Seabream (Sparus aurata L.) Sedated With Clove Oil and MS-222: Effects on Stress Axis Regulation and Intermediary Metabolism. Frontiers in Physiology, 2019, 10, 612.	1.3	20
42	Dietary Tryptophan Induces Opposite Health-Related Responses in the Senegalese Sole (Solea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 Frontiers in Physiology, 2019, 10, 508.	1.3	16
43	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
44	Myrcia sylvatica essential oil in the diet of gilthead sea bream (Sparus aurata L.) attenuates the stress response induced by high stocking density. Aquaculture Nutrition, 2018, 24, 1381-1392.	1.1	15
45	Molecular, Biochemical, and Dietary Regulation Features of Î±-Amylase in a Carnivorous Crustacean, the Spiny Lobster Panulirus argus. PLoS ONE, 2016, 11, e0158919.	1.1	15
46	A Holistic View of Dietary Carbohydrate Utilization in Lobster: Digestion, Postprandial Nutrient Flux, and Metabolism. PLoS ONE, 2014, 9, e108875.	1.1	14
47	From operculum and body tail movements to different coupling of physical activity and respiratory frequency in farmed gilthead sea bream and European sea bass. Insights on aquaculture biosensing. Computers and Electronics in Agriculture, 2020, 175, 105531.	3.7	14
48	Ontogeny of Expression and Activity of Digestive Enzymes and Establishment of gh/igf1 Axis in the Omnivorous Fish Chelon labrosus. Animals, 2020, 10, 874.	1.0	14
49	Insulin-like growth factor 1 (IGF-1) regulates prolactin, growth hormone, and IGF-1 receptor expression in the pituitary gland of the gilthead sea bream Sparus aurata. Fish Physiology and Biochemistry, 2016, 42, 365-377.	0.9	13
50	Vitellogenin expression in wild cyprinid Petroleuciscus esfahani as a biomarker of endocrine disruption along the Zayandeh Roud River, Iran. Chemosphere, 2016, 144, 1342-1350.	4.2	13
51	Arginine Vasotocin and Cortisol Co-regulate Vasotocinergic, Isotocinergic, Stress, and Thyroid Pathways in the Gilthead Sea Bream (Sparus aurata). Frontiers in Physiology, 2019, 10, 261.	1.3	13
52	The effect of starvation and re-feeding on vasotocinergic and isotocinergic pathways in immature gilthead sea bream (Sparus aurata). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 945-958.	0.7	12
53	Dietary tryptophan supplementation induces a transient immune enhancement of gilthead seabream (Sparus aurata) juveniles fed fishmeal-free diets. Fish and Shellfish Immunology, 2019, 93, 240-250.	1.6	11
54	Diet with Diphenyl Diselenide Mitigates Quinclorac Toxicity in Silver Catfish (Rhamdia quelen). PLoS ONE, 2014, 9, e114233.	1.1	11

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55	Health status in gilthead seabream (Sparus aurata) juveniles fed diets devoid of fishmeal and supplemented with Phaeodactylum tricornutum. Journal of Applied Phycology, 2021, 33, 979-996.	1.5	10
56	Osmoregulatory role of vasotocinergic and isotocinergic systems in the gilthead sea bream (Sparus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	9
57	Environmental Salinity Affects Growth and Metabolism in Fingerling Meagre (Argyrosomus Regius). Fishes, 2019, 4, 6.	0.7	9
58	Local DNA methylation helps to regulate muscle sirtuin 1 gene expression across seasons and advancing age in gilthead sea bream (Sparus aurata). Frontiers in Zoology, 2020, 17, 15.	0.9	9
59	Evaluation of the Inclusion of the Green Seaweed Ulva ohnoi as an Ingredient in Feeds for Gilthead Sea Bream (Sparus aurata) and European Sea Bass (Dicentrarchus labrax). Animals, 2021, 11, 1684.	1.0	9
60	Physiological trade-offs associated with fasting weight loss, resistance to exercise and behavioral traits in farmed gilthead sea bream (Sparus aurata) selected by growth. Aquaculture Reports, 2021, 20, 100645.	0.7	9
61	Metabolic and Stress Responses in Senegalese Soles (Solea senegalensis Kaup) Fed Tryptophan Supplements: Effects of Concentration and Feeding Period. Animals, 2019, 9, 320.	1.0	8
62	Targeting the Mild-Hypoxia Driving Force for Metabolic and Muscle Transcriptional Reprogramming of Gilthead Sea Bream (Sparus aurata) Juveniles. Biology, 2021, 10, 416.	1.3	8
63	High Stocking Density and Food Deprivation Increase Brain Monoaminergic Activity in Gilthead Sea Bream (Sparus aurata). Animals, 2021, 11, 1503.	1.0	7
64	Ontogeny and functional histochemistry of the digestive and visual systems and other organs during the larval development of the thick-lipped grey mullet, Chelon labrosus. Scientia Marina, 2014, 78, 473-491.	0.3	7
65	Dietary Use of the Microalga Chlorella fusca Improves Growth, Metabolism, and Digestive Functionality in Thick-Lipped Grey Mullet (Chelon labrosus, Risso 1827) Juveniles. Frontiers in Marine Science, 2022, 9, .	1.2	7
66	Solid-State Hydrolysis (SSH) Improves the Nutritional Value of Plant Ingredients in the Diet of Mugil cephalus. Fishes, 2022, 7, 4.	0.7	6
67	Melatonin, vasotocin and isotocin as biomarkers of the condition of fish. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S18.	0.8	5
68	Aroclor 1254 inhibits vasotocinergic pathways related to osmoregulatory and stress functions in the gilthead sea bream (Sparus aurata, Linnaeus 1758). Aquatic Toxicology, 2019, 212, 98-109.	1.9	5
69	Molecular basis of the digestive functionality in developing Persian sturgeon (Acipenser persicus) larvae: additional clues for its phylogenetic status. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2019, 189, 367-383.	0.7	5
70	In silico analysis and effects of environmental salinity in the expression and activity of digestive Î±-amylase and trypsins from the euryhaline crabNeohelicegranulata. Canadian Journal of Zoology, 2018, 96, 127-139.	0.4	4
71	Narrowing the Range of Environmental Salinities Where Juvenile Meagre (Argyrosomus regius) Can Be Cultured Based on an Osmoregulatory Pilot Study. Fishes, 2018, 3, 48.	0.7	4
72	Feed Supplementation with the GHRP-6 Peptide, a Ghrelin Analog, Improves Feed Intake, Growth Performance and Aerobic Metabolism in the Gilthead Sea Bream Sparus aurata. Fishes, 2022, 7, 31.	0.7	4

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73	Prolonged emersion of Solea senegalensis , Kaup 1858, for its application in transport. Aquaculture Research, 2017, 48, 3393-3400.	0.9	3
74	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
75	Invasive Rainbow Trout (Oncorhynchus mykiss) Are Not Affected by Different Land Uses in a Multi-Use, Mediterranean Climate Landscape. Fishes, 2018, 3, 37.	0.7	1