

# Juan A Martos-Sitcha

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72  
papers

1,353  
citations

22  
h-index

32  
g-index

75  
ext. papers

1,914  
ext. citations

3.3  
avg, IF

4.64  
L-index

#	Paper	IF	Citations
72	Feed Supplementation with the GHRP-6 Peptide, a Ghrelin Analog, Improves Feed Intake, Growth Performance and Aerobic Metabolism in the Gilthead Sea Bream <i>Sparus aurata</i> . <i>Fishes</i> , <b>2022</b> , 7, 31	2.5	0
71	Solid-State Hydrolysis (SSH) Improves the Nutritional Value of Plant Ingredients in the Diet of Mugil cephalus. <i>Fishes</i> , <b>2022</b> , 7, 4	2.5	0
70	High Stocking Density and Food Deprivation Increase Brain Monoaminergic Activity in Gilthead Sea Bream (). <i>Animals</i> , <b>2021</b> , 11,	3.1	1
69	Targeting the Mild-Hypoxia Driving Force for Metabolic and Muscle Transcriptional Reprogramming of Gilthead Sea Bream () Juveniles. <i>Biology</i> , <b>2021</b> , 10,	4.9	3
68	Evaluation of the Inclusion of the Green Seaweed as an Ingredient in Feeds for Gilthead Sea Bream () and European Sea Bass (). <i>Animals</i> , <b>2021</b> , 11,	3.1	2
67	Health status in gilthead seabream ( <i>Sparus aurata</i> ) juveniles fed diets devoid of fishmeal and supplemented with <i>Phaeodactylum tricornutum</i> . <i>Journal of Applied Phycology</i> , <b>2021</b> , 33, 979-996	3.2	4
66	Physiological trade-offs associated with fasting weight loss, resistance to exercise and behavioral traits in farmed gilthead sea bream ( <i>Sparus aurata</i> ) selected by growth. <i>Aquaculture Reports</i> , <b>2021</b> , 20, 100645	2.3	1
65	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. <i>Computers and Electronics in Agriculture</i> , <b>2020</b> , 175, 105531	6.5	6
64	Local DNA methylation helps to regulate muscle sirtuin 1 gene expression across seasons and advancing age in gilthead sea bream (). <i>Frontiers in Zoology</i> , <b>2020</b> , 17, 15	2.8	7
63	Ontogeny of Expression and Activity of Digestive Enzymes and Establishment of / Axis in the Omnivorous Fish. <i>Animals</i> , <b>2020</b> , 10,	3.1	9
62	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> , <b>2020</b> , 10, 18676	4.9	5
61	Ultra-Low Power Sensor Devices for Monitoring Physical Activity and Respiratory Frequency in Farmed Fish. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 667	4.6	14
60	Dietary Tryptophan Induces Opposite Health-Related Responses in the Senegalese Sole () Reared at Low or High Stocking Densities With Implications in Disease Resistance. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 508	4.6	8
59	Essential Oils as Stress-Reducing Agents for Fish Aquaculture: A Review. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 785	4.6	49
58	Aroclor 1254 inhibits vasotocinergic pathways related to osmoregulatory and stress functions in the gilthead sea bream ( <i>Sparus aurata</i> , Linnaeus 1758). <i>Aquatic Toxicology</i> , <b>2019</b> , 212, 98-109	5.1	3
57	Selection for growth is associated in gilthead sea bream ( <i>Sparus aurata</i> ) with diet flexibility, changes in growth patterns and higher intestine plasticity. <i>Aquaculture</i> , <b>2019</b> , 507, 349-360	4.4	17
56	Molecular basis of the digestive functionality in developing Persian sturgeon ( <i>Acipenser persicus</i> ) larvae: additional clues for its phylogenetic status. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2019</b> , 189, 367-383	2.2	3

55	Environmental Salinity Affects Growth and Metabolism in Fingerling Meagre ( <i>Argyrosomus Regius</i> ). <i>Fishes</i> , <b>2019</b> , 4, 6	2.5	6
54	Arginine Vasotocin and Cortisol Co-regulate Vasotocinerpic, Isotocinerpic, Stress, and Thyroid Pathways in the Gilthead Sea Bream (). <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 261	4.6	10
53	Tissue-Specific Orchestration of Gilthead Sea Bream Resilience to Hypoxia and High Stocking Density. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 840	4.6	19
52	Metabolic and Stress Responses in Senegalese Soles ( Kaup) Fed Tryptophan Supplements: Effects of Concentration and Feeding Period. <i>Animals</i> , <b>2019</b> , 9,	3.1	7
51	Dietary tryptophan supplementation induces a transient immune enhancement of gilthead seabream ( <i>Sparus aurata</i> ) juveniles fed fishmeal-free diets. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 93, 240-250	4.3	7
50	Transport and Recovery of Gilthead Seabream ( L.) Sedated With Clove Oil and MS-222: Effects on Stress Axis Regulation and Intermediary Metabolism. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 612	4.6	11
49	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> , <b>2019</b> , 12, 486	4	13
48	<i>Myrcia sylvatica</i> essential oil in the diet of gilthead sea bream ( <i>Sparus aurata</i> L.) attenuates the stress response induced by high stocking density. <i>Aquaculture Nutrition</i> , <b>2018</b> , 24, 1381-1392	3.2	10
47	Impact of low fish meal and fish oil diets on the performance, sex steroid profile and male-female sex reversal of gilthead sea bream ( <i>Sparus aurata</i> ) over a three-year production cycle. <i>Aquaculture</i> , <b>2018</b> , 490, 64-74	4.4	29
46	Gene expression of thyrotropin- and corticotrophin-releasing hormones is regulated by environmental salinity in the euryhaline teleost <i>Sparus aurata</i> . <i>Fish Physiology and Biochemistry</i> , <b>2018</b> , 44, 615-628	2.7	11
45	<i>Myrcia sylvatica</i> essential oil mitigates molecular, biochemical and physiological alterations in <i>Rhamdia quelen</i> under different stress events associated to transport. <i>Research in Veterinary Science</i> , <b>2018</b> , 117, 150-160	2.5	22
44	Osmoregulatory role of vasotocinerpic and isotocinerpic systems in the gilthead sea bream ( <i>Sparus aurata</i> L). <i>General and Comparative Endocrinology</i> , <b>2018</b> , 257, 177-183	3	8
43	Unraveling vasotocinerpic, isotocinerpic and stress pathways after food deprivation and high stocking density in the gilthead sea bream. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2018</b> , 215, 35-44	2.6	11
42	In silico analysis and effects of environmental salinity in the expression and activity of digestive Amylase and trypsins from the euryhaline crab <i>Neohelice granulata</i> . <i>Canadian Journal of Zoology</i> , <b>2018</b> , 96, 127-139	1.5	2
41	Impact of Air Exposure on Vasotocinerpic and Isotocinerpic Systems in Gilthead Sea Bream (): New Insights on Fish Stress Response. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 96	4.6	44
40	Dietary sodium heptanoate helps to improve feed efficiency, growth hormone status and swimming performance in gilthead sea bream ( <i>Sparus aurata</i> ). <i>Aquaculture Nutrition</i> , <b>2018</b> , 24, 1638-1651	3.2	10
39	Effect of different salinities on gene expression and activity of digestive enzymes in the thick-lipped grey mullet ( <i>Chelon labrosus</i> ). <i>Fish Physiology and Biochemistry</i> , <b>2018</b> , 44, 349-373	2.7	8
38	Invasive Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Are Not Affected by Different Land Uses in a Multi-Use, Mediterranean Climate Landscape. <i>Fishes</i> , <b>2018</b> , 3, 37	2.5	1

37	Somatotropic Axis Regulation Unravels the Differential Effects of Nutritional and Environmental Factors in Growth Performance of Marine Farmed Fishes. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 687	5.7	32
36	Narrowing the Range of Environmental Salinities Where Juvenile Meagre ( <i>Argyrosomus regius</i> ) Can Be Cultured Based on an Osmoregulatory Pilot Study. <i>Fishes</i> , <b>2018</b> , 3, 48	2.5	3
35	The effect of starvation and re-feeding on vasotocinergic and isotocinergic pathways in immature gilthead sea bream ( <i>Sparus aurata</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2017</b> , 187, 945-958	2.2	8
34	Dietary supplementation of heat-treated and seaweeds enhanced acute hypoxia tolerance in gilthead sea bream (). <i>Biology Open</i> , <b>2017</b> , 6, 897-908	2.2	40
33	Molecular performance of Prl and Gh/Igf1 axis in the Mediterranean meager, <i>Argyrosomus regius</i> , acclimated to different rearing salinities. <i>Fish Physiology and Biochemistry</i> , <b>2017</b> , 43, 203-216	2.7	17
32	Gene expression profiling of whole blood cells supports a more efficient mitochondrial respiration in hypoxia-challenged gilthead sea bream (). <i>Frontiers in Zoology</i> , <b>2017</b> , 14, 34	2.8	22
31	Prolonged emersion of <i>Solea senegalensis</i> , Kaup 1858, for its application in transport. <i>Aquaculture Research</i> , <b>2017</b> , 48, 3393-3400	1.9	2
30	Characterization of the peripheral thyroid system of gilthead seabream acclimated to different ambient salinities. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2017</b> , 203, 24-31	2.6	12
29	Low stocking density negatively affects growth, metabolism and stress pathways in juvenile specimens of meagre ( <i>Argyrosomus regius</i> , Asso 1801). <i>Aquaculture</i> , <b>2016</b> , 451, 87-92	4.4	40
28	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 <i>Sparus aurata</i> . <i>Fish Physiology and Biochemistry</i> , <b>2016</b> , 42, 365-77	2.7	10
27	Cloning and molecular ontogeny of digestive enzymes in fed and food-deprived developing gilthead seabream ( <i>Sparus aurata</i> ) larvae. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2016</b> , 191, 53-65	2.3	23
26	Vitellogenin expression in wild cyprinid <i>Petroleuciscus esfahani</i> as a biomarker of endocrine disruption along the Zayandeh Roud River, Iran. <i>Chemosphere</i> , <b>2016</b> , 144, 1342-50	8.4	12
25	Unraveling the Tissue-Specific Gene Signatures of Gilthead Sea Bream ( <i>Sparus aurata</i> L.) after Hyper- and Hypo-Osmotic Challenges. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148113	3.7	15
24	Molecular, Biochemical, and Dietary Regulation Features of $\alpha$ -Amylase in a Carnivorous Crustacean, the Spiny Lobster <i>Panulirus argus</i> . <i>PLoS ONE</i> , <b>2016</b> , 11, e0158919	3.7	10
23	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> , <b>2016</b> , 11, e0166564	3.7	70
22	Effects of clove oil, essential oil of <i>Lippia alba</i> and 2-phe anaesthesia on juvenile meagre, <i>Argyrosomus regius</i> (Asso, 1801). <i>Journal of Applied Ichthyology</i> , <b>2016</b> , 32, 693-700	0.9	17
21	Sedative effect of 2-phenoxyethanol and essential oil of <i>Lippia alba</i> on stress response in gilthead sea bream ( <i>Sparus aurata</i> ). <i>Research in Veterinary Science</i> , <b>2015</b> , 103, 20-7	2.5	37
20	Starving/re-feeding processes induce metabolic modifications in thick-lipped grey mullet ( <i>Chelon labrosus</i> , Risso 1827). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2015</b> , 180, 57-67	2.3	16

19	The influence of stocking density and food deprivation in silver catfish ( <i>Rhamdia quelen</i> ): A metabolic and endocrine approach. <i>Aquaculture</i> , <b>2015</b> , 435, 257-264	4.4	53
18	Influence of stocking density on growth, metabolism and stress of thick-lipped grey mullet ( <i>Chelon labrosus</i> ) juveniles. <i>Aquaculture</i> , <b>2015</b> , 448, 29-37	4.4	45
17	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 &amp; Integrative Physiology</i> , <b>2015</b> , 182, 93-101	2.6	15
16	Citrate gold nanoparticle exposure in the marine bivalve <i>Ruditapes philippinarum</i> : uptake, elimination and oxidative stress response. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 17414-17424	5.1	46
15	Stress response in silver catfish ( <i>Rhamdia quelen</i> ) exposed to the essential oil of <i>Hesperozygis ringens</i> . <i>Fish Physiology and Biochemistry</i> , <b>2015</b> , 41, 129-38	2.7	26
14	Vasotocin and isotocin regulate aquaporin 1 function in the sea bream. <i>Journal of Experimental Biology</i> , <b>2015</b> , 218, 684-93	3	20
13	Cortisol modulates vasotocinergic and isotocinergic pathways in the gilthead sea bream. <i>Journal of Experimental Biology</i> , <b>2015</b> , 218, 316-25	3	23
12	Different stressors induce differential responses of the CRH-stress system in the gilthead sea bream ( <i>Sparus aurata</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2014</b> , 177, 49-61	2.6	42
11	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> , <b>2014</b> , 197, 5-17	3	35
10	The effects of ammonia and water hardness on the hormonal, osmoregulatory and metabolic responses of the freshwater silver catfish <i>Rhamdia quelen</i> . <i>Aquatic Toxicology</i> , <b>2014</b> , 152, 341-52	5.1	37
9	A holistic view of dietary carbohydrate utilization in lobster: digestion, postprandial nutrient flux, and metabolism. <i>PLoS ONE</i> , <b>2014</b> , 9, e108875	3.7	12
8	Diet with diphenyl diselenide mitigates quinclorac toxicity in silver catfish ( <i>Rhamdia quelen</i> ). <i>PLoS ONE</i> , <b>2014</b> , 9, e114233	3.7	10
7	Ontogeny and functional histochemistry of the digestive and visual systems and other organs during the larval development of the thick-lipped grey mullet, <i>Chelon labrosus</i> . <i>Scientia Marina</i> , <b>2014</b> , 78, 473-491	1.8	7
6	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> , <b>2013</b> , 193, 221-8	3	25
5	Vasotocinergic and isotocinergic systems in the gilthead sea bream ( <i>Sparus aurata</i> ): an osmoregulatory story. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2013</b> , 166, 571-81	2.6	27
4	Cloning and expression pattern of facilitative glucose transporter 1 (GLUT1) in gilthead sea bream <i>Sparus aurata</i> in response to salinity acclimation. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2012</b> , 163, 38-46	2.6	18
3	Influence of food deprivation and high stocking density on energetic metabolism and stress response in red porgy, <i>Pagrus pagrus</i> L. <i>Aquaculture International</i> , <b>2012</b> , 20, 585-599	2.6	31
2	Physiological responses of Senegalese sole ( <i>Solea senegalensis</i> Kaup, 1858) after stress challenge: Effects on non-specific immune parameters, plasma free amino acids and energy metabolism. <i>Aquaculture</i> , <b>2011</b> , 316, 68-76	4.4	108

- 1 Melatonin, vasotocin and isotocin as biomarkers of the condition of fish. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2010**, 157, S18 2.6 5