# Juan A Martos-Sitcha

## List of Publications by Citations



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| 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 | 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 | 4.4 | 108 |
| 71 | 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 |
| 70 | The influence of stocking density and food deprivation in silver catfish (Rhamdia quelen): A metabolic and endocrine approach. *Aquaculture*, **2015**, 435, 257-264 | 4.4 | 53 |
| 69 | Essential Oils as Stress-Reducing Agents for Fish Aquaculture: A Review. *Frontiers in Physiology*, **2019**, 10, 785 | 4.6 | 49 |
| 68 | Citrate gold nanoparticle exposure in the marine bivalve Ruditapes philippinarum: uptake, elimination and oxidative stress response. *Environmental Science and Pollution Research*, **2015**, 22, 17414-24 | 5.1 | 46 |
| 67 | Influence of stocking density on growth, metabolism and stress of thick- lipped grey mullet (Chelon labrosus) juveniles. *Aquaculture*, **2015**, 448, 29-37 | 4.4 | 45 |
| 66 | Impact of Air Exposure on Vasotocinergic and Isotocinergic Systems in Gilthead Sea Bream (): New Insights on Fish Stress Response. *Frontiers in Physiology*, **2018**, 9, 96 | 4.6 | 44 |
| 65 | 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 | 2.6 | 42 |
| 64 | Low stocking density negatively affects growth, metabolism and stress pathways in juvenile specimens of meagre (Argyrosomus regius, Asso 1801). *Aquaculture*, **2016**, 451, 87-92 | 4.4 | 40 |
| 63 | Dietary supplementation of heat-treated and seaweeds enhanced acute hypoxia tolerance in gilthead sea bream (). *Biology Open*, **2017**, 6, 897-908 | 2.2 | 40 |
| 62 | 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, 20-7 | 2.5 | 37 |
| 61 | 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, 341-52 | 5.1 | 37 |
| 60 | 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 |
| 59 | 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 | 5.7 | 32 |
| 58 | 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 | 2.6 | 31 |
| 57 | 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 | 4.4 | 29 |
| 56 | 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, 571-81 | 2.6 | 27 |

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| 55 | Stress response in silver catfish (Rhamdia quelen) exposed to the essential oil of Hesperozygis ringens. *Fish Physiology and Biochemistry*, **2015**, 41, 129-38 | 2.7 | 26 |
| 54 | 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 |
| 53 | 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 | 2.3 | 23 |
| 52 | Cortisol modulates vasotocinergic and isotocinergic pathways in the gilthead sea bream. *Journal of Experimental Biology*, **2015**, 218, 316-25 | 3 | 23 |
| 51 | Gene expression profiling of whole blood cells supports a more efficient mitochondrial respiration in hypoxia-challenged gilthead sea bream (). *Frontiers in Zoology*, **2017**, 14, 34 | 2.8 | 22 |
| 50 | 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 | 2.5 | 22 |
| 49 | Vasotocin and isotocin regulate aquaporin 1 function in the sea bream. *Journal of Experimental Biology*, **2015**, 218, 684-93 | 3 | 20 |
| 48 | Tissue-Specific Orchestration of Gilthead Sea Bream Resilience to Hypoxia and High Stocking Density. *Frontiers in Physiology*, **2019**, 10, 840 | 4.6 | 19 |
| 47 | 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 | 2.6 | 18 |
| 46 | 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 | 2.7 | 17 |
| 45 | 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 | 4.4 | 17 |
| 44 | 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 | 0.9 | 17 |
| 43 | Starving/re-feeding processes induce metabolic modifications in thick-lipped grey mullet (Chelon labrosus, Risso 1827). *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2015**, 180, 57-67 | 2.3 | 16 |
| 42 | 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 |
| 41 | Unraveling the Tissue-Specific Gene Signatures of Gilthead Sea Bream (Sparus aurata L.) after Hyper- and Hypo-Osmotic Challenges. *PLoS ONE*, **2016**, 11, e0148113 | 3.7 | 15 |
| 40 | Ultra-Low Power Sensor Devices for Monitoring Physical Activity and Respiratory Frequency in Farmed Fish. *Frontiers in Physiology*, **2019**, 10, 667 | 4.6 | 14 |
| 39 | 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 |
| 38 | Vitellogenin expression in wild cyprinid Petroleuciscus esfahani as a biomarker of endocrine disruption along the Zayandeh Roud River, Iran. *Chemosphere*, **2016**, 144, 1342-50 | 8.4 | 12 |

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| 37 | 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 | 2.6 | 12 |
| 36 | A holistic view of dietary carbohydrate utilization in lobster: digestion, postprandial nutrient flux, and metabolism. *PLoS ONE*, **2014**, 9, e108875 | 3.7 | 12 |
| 35 | 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 | 2.7 | 11 |
| 34 | 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 | 2.6 | 11 |
| 33 | Transport and Recovery of Gilthead Seabream ( L.) Sedated With Clove Oil and MS-222: Effects on Stress Axis Regulation and Intermediary Metabolism. *Frontiers in Physiology*, **2019**, 10, 612 | 4.6 | 11 |
| 32 | Arginine Vasotocin and Cortisol Co-regulate Vasotocinergic, Isotocinergic, Stress, and Thyroid Pathways in the Gilthead Sea Bream (). *Frontiers in Physiology*, **2019**, 10, 261 | 4.6 | 10 |
| 31 | 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 | 3.2 | 10 |
| 30 | 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, 365-77 | 2.7 | 10 |
| 29 | 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 | 3.2 | 10 |
| 28 | Diet with diphenyl diselenide mitigates quinclorac toxicity in silver catfish (Rhamdia quelen). *PLoS ONE*, **2014**, 9, e114233 | 3.7 | 10 |
| 27 | Molecular, Biochemical, and Dietary Regulation Features of Amylase in a Carnivorous Crustacean, the Spiny Lobster Panulirus argus. *PLoS ONE*, **2016**, 11, e0158919 | 3.7 | 10 |
| 26 | Ontogeny of Expression and Activity of Digestive Enzymes and Establishment of / Axis in the Omnivorous Fish. *Animals*, **2020**, 10, | 3.1 | 9 |
| 25 | 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 | 2.2 | 8 |
| 24 | Dietary Tryptophan Induces Opposite Health-Related Responses in the Senegalese Sole () Reared at Low or High Stocking Densities With Implications in Disease Resistance. *Frontiers in Physiology*, **2019**, 10, 508 | 4.6 | 8 |
| 23 | Osmoregulatory role of vasotocinergic and isotocinergic systems in the gilthead sea bream (Sparus aurata L). *General and Comparative Endocrinology*, **2018**, 257, 177-183 | 3 | 8 |
| 22 | 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 | 2.7 | 8 |
| 21 | Local DNA methylation helps to regulate muscle sirtuin 1 gene expression across seasons and advancing age in gilthead sea bream (). *Frontiers in Zoology*, **2020**, 17, 15 | 2.8 | 7 |
| 20 | Metabolic and Stress Responses in Senegalese Soles ( Kaup) Fed Tryptophan Supplements: Effects of Concentration and Feeding Period. *Animals*, **2019**, 9, | 3.1 | 7 |

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| 19 | 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 | 4.3 | 7 |
| 18 | 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 | 1.8 | 7 |
| 17 | Environmental Salinity Affects Growth and Metabolism in Fingerling Meagre (Argyrosomus Regius). *Fishes*, **2019**, 4, 6 | 2.5 | 6 |
| 16 | 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 | 6.5 | 6 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 | 3.2 | 4 |
| 12 | 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 | 5.1 | 3 |
| 11 | 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 | 2.2 | 3 |
| 10 | Targeting the Mild-Hypoxia Driving Force for Metabolic and Muscle Transcriptional Reprogramming of Gilthead Sea Bream () Juveniles. *Biology*, **2021**, 10, | 4.9 | 3 |
| 9 | Narrowing the Range of Environmental Salinities Where Juvenile Meagre (Argyrosomus regius) Can Be Cultured Based on an Osmoregulatory Pilot Study. *Fishes*, **2018**, 3, 48 | 2.5 | 3 |
| 8 | In silico analysis and effects of environmental salinity in the expression and activity of digestive amylase and trypsins from the euryhaline crab Neohelice granulata. *Canadian Journal of Zoology*, **2018**, 96, 127-139 | 1.5 | 2 |
| 7 | Prolonged emersion of Solea senegalensis, Kaup 1858, for its application in transport. *Aquaculture Research*, **2017**, 48, 3393-3400 | 1.9 | 2 |
| 6 | Evaluation of the Inclusion of the Green Seaweed as an Ingredient in Feeds for Gilthead Sea Bream () and European Sea Bass (). *Animals*, **2021**, 11, | 3.1 | 2 |
| 5 | High Stocking Density and Food Deprivation Increase Brain Monoaminergic Activity in Gilthead Sea Bream (). *Animals*, **2021**, 11, | 3.1 | 1 |
| 4 | Invasive Rainbow Trout (Oncorhynchus mykiss) Are Not Affected by Different Land Uses in a Multi-Use, Mediterranean Climate Landscape. *Fishes*, **2018**, 3, 37 | 2.5 | 1 |
| 3 | 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 | 2.3 | 1 |
| 2 | 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 | 2.5 | 0 |

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| 1 | Solid-State Hydrolysis (SSH) Improves the Nutritional Value of Plant Ingredients in the Diet of Mugil cephalus. *Fishes*, **2022**, 7, 4 | 2.5 | 0 |