

# Emilio J VÃ©lez

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

764  
citations

471371

17  
h-index

552653

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

700  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Understanding fish muscle growth regulation to optimize aquaculture production. <i>Aquaculture</i> , 2017, 467, 28-40.  | 1.7 | 102       |
| 2  | IGF-I and amino acids effects through TOR signaling on proliferation and differentiation of gilthead sea bream cultured myocytes. <i>General and Comparative Endocrinology</i> , 2014, 205, 296-304.  | 0.8 | 59        |
| 3  | Lysine and Leucine Deficiencies Affect Myocytes Development and IGF Signaling in Gilthead Sea Bream ( <i>Sparus aurata</i> ). <i>PLoS ONE</i> , 2016, 11, e0147618.   | 1.1 | 48        |
| 4  | Growth-promoting effects of sustained swimming in fingerlings of gilthead sea bream ( <i>Sparus aurata</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> 185, 859-868.   | 0.7 | 43        |
| 5  | Recombinant bovine growth hormone (rBGH) enhances somatic growth by regulating the GH-IGF axis in fingerlings of gilthead sea bream ( <i>Sparus aurata</i> ). <i>General and Comparative Endocrinology</i> , 2018, 257, 192-202.                    | 0.8 | 36        |
| 6  | IGF-I and IGF-II effects on local IGF system and signaling pathways in gilthead sea bream ( <i>Sparus aurata</i> ) cultured myocytes. <i>General and Comparative Endocrinology</i> , 2016, 232, 7-16.   | 0.8 | 33        |
| 7  | Effects of sustained exercise on GH-IGFs axis in gilthead sea bream ( <i>Sparus aurata</i> ). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R313-R322.                                     | 0.9 | 32        |
| 8  | Tributyltin and triphenyltin exposure promotes in vitro adipogenic differentiation but alters the adipocyte phenotype in rainbow trout. <i>Aquatic Toxicology</i> , 2017, 188, 148-158.   | 1.9 | 27        |
| 9  | DNA methylation of the promoter region of <i>bnip3</i> and <i>bnip3l</i> genes induced by metabolic programming. <i>BMC Genomics</i> , 2018, 19, 677.   | 1.2 | 27        |
| 10 | Effects of different dietary vegetable oils on growth and intestinal performance, lipid metabolism and flesh quality in gilthead sea bream. <i>Aquaculture</i> , 2020, 519, 734881.   | 1.7 | 25        |
| 11 | Contribution of in vitro myocytes studies to understanding fish muscle physiology. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016, 199, 67-73.  | 0.7 | 24        |
| 12 | Temperature Affects Musculoskeletal Development and Muscle Lipid Metabolism of Gilthead Sea Bream ( <i>Sparus aurata</i> ). <i>Frontiers in Endocrinology</i> , 2019, 10, 173.  | 1.5 | 24        |
| 13 | Eating for two: Consequences of parental methionine nutrition on offspring metabolism in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Aquaculture</i> , 2017, 471, 80-91.   | 1.7 | 22        |
| 14 | Moderate and sustained exercise modulates muscle proteolytic and myogenic markers in gilthead sea bream ( <i>Sparus aurata</i> ). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R643-R653. | 0.9 | 22        |
| 15 | Proteolytic systemsâ€™ expression during myogenesis and transcriptional regulation by amino acids in gilthead sea bream cultured muscle cells. <i>PLoS ONE</i> , 2017, 12, e0187339.  | 1.1 | 20        |
| 16 | Fatty acids from fish or vegetable oils promote the adipogenic fate of mesenchymal stem cells derived from gilthead sea bream bone potentially through different pathways. <i>PLoS ONE</i> , 2019, 14, e0215926.                                    | 1.1 | 20        |
| 17 | A Comparative Update on the Neuroendocrine Regulation of Growth Hormone in Vertebrates. <i>Frontiers in Endocrinology</i> , 2020, 11, 614981.   | 1.5 | 20        |
| 18 | Regulatory mechanisms involved in muscle and bone remodeling during refeeding in gilthead sea bream. <i>Scientific Reports</i> , 2020, 10, 184.   | 1.6 | 19        |

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|----|---|-----|-----------|
| 19 | A long-term growth hormone treatment stimulates growth and lipolysis in gilthead sea bream juveniles. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2019, 232, 67-78.   | 0.8 | 18        |
| 20 | Ghrelin and Its Receptors in Gilthead Sea Bream: Nutritional Regulation. <i>Frontiers in Endocrinology</i> , 2018, 9, 399.  | 1.5 | 17        |
| 21 | Nesfatin-1 and nesfatin-1-like peptide suppress growth hormone synthesis via the AC/PKA/CREB pathway in mammalian somatotrophs. <i>Scientific Reports</i> , 2020, 10, 16686.  | 1.6 | 16        |
| 22 | Sustained swimming enhances white muscle capillarisation and growth by hyperplasia in gilthead sea bream ( <i>Sparus aurata</i> ) fingerlings. <i>Aquaculture</i> , 2019, 501, 397-403.   | 1.7 | 14        |
| 23 | The probiotic <i>Lactobacillus rhamnosus</i> mimics the dark-driven regulation of appetite markers and melatonin receptors' expression in zebrafish ( <i>Danio rerio</i> ) larvae: Understanding the role of the gut microbiome. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 256, 110634. | 0.7 | 14        |
| 24 | Caffeic acid and hydroxytyrosol have anti-obesogenic properties in zebrafish and rainbow trout models. <i>PLoS ONE</i> , 2017, 12, e0178833.  | 1.1 | 13        |
| 25 | Diving into the Evolutionary History of HSC70-Linked Selective Autophagy Pathways: Endosomal Microautophagy and Chaperone-Mediated Autophagy. <i>Cells</i> , 2022, 11, 1945.  | 1.8 | 11        |
| 26 | Gene expression analyses in malformed skeletal structures of gilthead sea bream ( <i>Sparus aurata</i> ) fingerlings. <i>Journal of Heredity</i> , 2019, 110, 1046-1054.  | 0.9 | 10        |
| 27 | Short-Term Responses to Fatty Acids on Lipid Metabolism and Adipogenesis in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ). <i>International Journal of Molecular Sciences</i> , 2020, 21, 1623.  | 1.8 | 9         |
| 28 | Genistein Induces Adipogenic and Autophagic Effects in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Adipose Tissue: In Vitro and In Vivo Models. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5884.   | 1.8 | 7         |
| 29 | Diet and Exercise Modulate GH-IGFs Axis, Proteolytic Markers and Myogenic Regulatory Factors in Juveniles of Gilthead Sea Bream ( <i>Sparus aurata</i> ). <i>Animals</i> , 2021, 11, 2182.  | 1.0 | 7         |
| 30 | Mitochondrial Adaptation to Diet and Swimming Activity in Gilthead Seabream: Improved Nutritional Efficiency. <i>Frontiers in Physiology</i> , 2021, 12, 678985.  | 1.3 | 6         |
| 31 | Effects of $\beta$ -adrenoceptor agonists on gilthead sea bream ( <i>Sparus aurata</i> ) cultured muscle cells. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2019, 227, 179-193.   | 0.8 | 5         |
| 32 | Characterization data of gilthead sea bream ( <i>Sparus aurata</i> ) IGF-I receptors (IGF-IRa/Rb). <i>Data in Brief</i> , 2016, 6, 507-513.   | 0.5 | 4         |
| 33 | Interaction between the Effects of Sustained Swimming Activity and Dietary Macronutrient Proportions on the Redox Status of Gilthead Sea Bream Juveniles ( <i>Sparus aurata</i> L.). <i>Antioxidants</i> , 2022, 11, 319.   | 2.2 | 3         |
| 34 | Nesfatin-1 and Nesfatin-1-like peptide suppress basal and TRH-Induced expression of prolactin and prolactin regulatory element-binding protein mRNAs in rat GH3 somatotrophs. <i>Molecular and Cellular Endocrinology</i> , 2021, 529, 111269.  | 1.6 | 2         |
| 35 | The autophagy response during adipogenesis of primary cultured rainbow trout ( <i>Oncorhynchus mykiss</i> ) fingerlings. <i>Journal of Heredity</i> , 2022, 113, 1070-1080.   | 0.7 | 2         |
| 36 | Recombinant Bovine Growth Hormone-Induced Metabolic Remodelling Enhances Growth of Gilthead Sea-Bream ( <i>Sparus aurata</i> ): Insights from Stable Isotopes Composition and Proteomics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13107.   | 1.8 | 2         |

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| 37 | Liver and muscle-specific effects of phoenixin-20 on the insulin-like growth factor system mRNAs in zebrafish. Growth Hormone and IGF Research, 2022, 63, 101456. | 0.5 | 1         |