

Elena Chaves-Pozo

List of Publications by Year in descending order

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86
papers

2,533
citations

159358

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223531

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Early innate immune response and redistribution of inflammatory cells in the bony fish gilthead seabream experimentally infected with <i>Vibrio anguillarum</i> . <i>Cell and Tissue Research</i> , 2005, 320, 61-68.	1.5	126
2	An Overview of Cell Renewal in the Testis Throughout the Reproductive Cycle of a Seasonal Breeding Teleost, the Gilthead Seabream (<i>Sparus aurata</i> L). <i>Biology of Reproduction</i> , 2005, 72, 593-601.	1.2	94
3	Production and mechanism of secretion of interleukin-1 β from the marine fish gilthead seabream. <i>Developmental and Comparative Immunology</i> , 2004, 28, 229-237.	1.0	79
4	Phagocytosis in Teleosts. Implications of the New Cells Involved. <i>Biology</i> , 2015, 4, 907-922.	1.3	79
5	The tumor necrosis factor α of the bony fish seabream exhibits the in vivo proinflammatory and proliferative activities of its mammalian counterparts, yet it functions in a species-specific manner. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 1331-1340.	2.4	77
6	Nodavirus infection induces a great innate cell-mediated cytotoxic activity in resistant, gilthead seabream, and susceptible, European sea bass, teleost fish. <i>Fish and Shellfish Immunology</i> , 2012, 33, 1159-1166.	1.6	74
7	Pattern of expression of immune-relevant genes in the gonad of a teleost, the gilthead seabream (<i>Sparus aurata</i> L). <i>Molecular Immunology</i> , 2008, 45, 2998-3011.	1.0	73
8	17 β -Estradiol Triggers Postspawning in Spermatogenically Active Gilthead Seabream (<i>Sparus aurata</i>) Tj ETQq0 0,0,rgBT /Overlock 10	1.2	71
9	Testicular involution prior to sex change in gilthead seabream is characterized by a decrease in DMRT1 gene expression and by massive leukocyte infiltration. <i>Reproductive Biology and Endocrinology</i> , 2007, 5, 20.	1.4	67
10	Characterization of the IFN pathway in the teleost fish gonad against vertically transmitted viral nervous necrosis virus. <i>Journal of General Virology</i> , 2015, 96, 2176-2187.	1.3	65
11	An oral chitosan DNA vaccine against nodavirus improves transcription of cell-mediated cytotoxicity and interferon genes in the European sea bass juveniles gut and survival upon infection. <i>Developmental and Comparative Immunology</i> , 2016, 65, 64-72.	1.0	63
12	Acidophilic granulocytes of the marine fish gilthead seabream (<i>Sparus aurata</i> L.) produce interleukin-1 β following infection with <i>Vibrio anguillarum</i> . <i>Cell and Tissue Research</i> , 2004, 316, 189-195.	1.5	58
13	17 β -Estradiol regulates gilthead seabream professional phagocyte responses through macrophage activation. <i>Developmental and Comparative Immunology</i> , 2011, 35, 19-27.	1.0	57
14	A role for acidophilic granulocytes in the testis of the gilthead seabream (<i>Sparus aurata</i> L., Teleostei). <i>Journal of Endocrinology</i> , 2003, 179, 165-174.	1.2	56
15	Professional phagocytic granulocytes of the bony fish gilthead seabream display functional adaptation to testicular microenvironment. <i>Journal of Leukocyte Biology</i> , 2005, 78, 345-351.	1.5	56
16	Influence of Melatonin on the Immune System of Fish: A Review. <i>International Journal of Molecular Sciences</i> , 2013, 14, 7979-7999.	1.8	52
17	Chemokine transcription in rainbow trout (<i>Oncorhynchus mykiss</i>) is differently modulated in response to viral hemorrhagic septicaemia virus (VHSV) or infectious pancreatic necrosis virus (IPNV). <i>Fish and Shellfish Immunology</i> , 2009, 27, 661-669.	1.6	51
18	An active DNA vaccine against infectious pancreatic necrosis virus (IPNV) with a different mode of action than fish rhabdovirus DNA vaccines. <i>Vaccine</i> , 2010, 28, 3291-3300.	1.7	48

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19	Fish Peroxiredoxins and Their Role in Immunity. <i>Biology</i> , 2015, 4, 860-880.	1.3	48
20	Viral hemorrhagic septicemia and infectious pancreatic necrosis viruses replicate differently in rainbow trout gonad and induce different chemokine transcription profiles. <i>Developmental and Comparative Immunology</i> , 2010, 34, 648-658.	1.0	47
21	The rainbow trout (<i>Oncorhynchus mykiss</i>) interferon response in the ovary. <i>Molecular Immunology</i> , 2010, 47, 1757-1764.	1.0	46
22	Antimicrobial response is increased in the testis of European sea bass, but not in gilthead seabream, upon nodavirus infection. <i>Fish and Shellfish Immunology</i> , 2015, 44, 203-213.	1.6	46
23	Sex steroids and metabolic parameter levels in a seasonal breeding fish (<i>Sparus aurata</i> L.). <i>General and Comparative Endocrinology</i> , 2008, 156, 531-536.	0.8	41
24	Nodavirus Colonizes and Replicates in the Testis of Gilthead Seabream and European Sea Bass Modulating Its Immune and Reproductive Functions. <i>PLoS ONE</i> , 2015, 10, e0145131.	1.1	41
25	Dietary intake of 17 β -ethinylestradiol promotes leukocytes infiltration in the gonad of the hermaphrodite gilthead seabream. <i>Molecular Immunology</i> , 2011, 48, 2079-2086.	1.0	40
26	FSH-, LH-, and TSH-expressing cells during development of <i>Sparus aurata</i> L. (Teleostei). An immunocytochemical study. <i>General and Comparative Endocrinology</i> , 2003, 134, 72-79.	0.8	39
27	European sea bass brain DLB-1 α cell line is susceptible to nodavirus: A transcriptomic study. <i>Fish and Shellfish Immunology</i> , 2019, 86, 14-24.	1.6	35
28	Innate Cell-Mediated Cytotoxic Activity of European Sea Bass Leucocytes Against Nodavirus-Infected Cells: A Functional and RNA-seq Study. <i>Scientific Reports</i> , 2017, 7, 15396.	1.6	33
29	Effects of Sex Steroids on Fish Leukocytes. <i>Biology</i> , 2018, 7, 9.	1.3	33
30	Seasonal variations of the humoral immune parameters of European sea bass (<i>Dicentrarchus labrax</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	32
31	Regulation of natural killer enhancing factor (NKEF) genes in teleost fish, gilthead seabream and European sea bass. <i>Molecular Immunology</i> , 2013, 55, 275-282.	1.0	31
32	Natural and synthetic estrogens modulate the inflammatory response in the gilthead seabream (<i>Sparus aurata</i> L.) through the activation of endothelial cells. <i>Molecular Immunology</i> , 2011, 48, 1917-1925.	1.0	30
33	The Effect of 17 β -Ethinylestradiol on Steroidogenesis and Gonadal Cytokine Gene Expression Is Related to the Reproductive Stage in Marine Hermaphrodite Fish. <i>Marine Drugs</i> , 2013, 11, 4973-4992.	2.2	30
34	Mercury Accumulation, Structural Damages, and Antioxidant and Immune Status Changes in the Gilthead Seabream (<i>Sparus aurata</i> L.) Exposed to Methylmercury. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 734-746.	2.1	30
35	Fish Granzyme A Shows a Greater Role Than Granzyme B in Fish Innate Cell-Mediated Cytotoxicity. <i>Frontiers in Immunology</i> , 2019, 10, 2579.	2.2	29
36	Recombinant nodavirus vaccine produced in bacteria and administered without purification elicits humoral immunity and protects European sea bass against infection. <i>Fish and Shellfish Immunology</i> , 2019, 88, 458-463.	1.6	29

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37	Collagen regulates the activation of professional phagocytes of the teleost fish gilthead seabream. <i>Molecular Immunology</i> , 2009, 46, 1409-1415.	1.0	27
38	Establishment of a new teleost brain cell line (DLB-1) from the European sea bass and its use to study metal toxicology. <i>Toxicology in Vitro</i> , 2017, 38, 91-100.	1.1	27
39	A role for matrix metalloproteinases in granulocyte infiltration and testicular remodeling in a seasonal breeding teleost. <i>Molecular Immunology</i> , 2008, 45, 2820-2830.	1.0	26
40	Immune effects observed after the injection of plasmids coding for rainbow trout (<i>Oncorhynchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 as a major interferon inducer. <i>Developmental and Comparative Immunology</i> , 2009, 33, 1137-1145.	1.0	26
41	Estrogen-responsive genes in macrophages of the bony fish gilthead seabream: A transcriptomic approach. <i>Developmental and Comparative Immunology</i> , 2011, 35, 840-849.	1.0	26
42	NK-lysin, dicentracin and hepcidin antimicrobial peptides in European sea bass. Ontogenetic development and modulation in juveniles by nodavirus. <i>Developmental and Comparative Immunology</i> , 2020, 103, 103516.	1.0	25
43	Role of estrogens in fish immunity with special emphasis on GPER1. <i>Developmental and Comparative Immunology</i> , 2018, 89, 102-110.	1.0	23
44	Identification and Regulation of Interleukin-17 (IL-17) Family Ligands in the Teleost Fish European Sea Bass. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2439.	1.8	23
45	Transcription of histones H1 and H2B is regulated by several immune stimuli in gilthead seabream and European sea bass. <i>Fish and Shellfish Immunology</i> , 2016, 57, 107-115.	1.6	22
46	Comparative ontogenetic development of two marine teleosts, gilthead seabream and European sea bass: New insights into nutrition and immunity. <i>Developmental and Comparative Immunology</i> , 2016, 65, 1-7.	1.0	22
47	Vaccination with UV-inactivated nodavirus partly protects European sea bass against infection, while inducing few changes in immunity. <i>Developmental and Comparative Immunology</i> , 2018, 86, 171-179.	1.0	21
48	Identification of mammosomatotropes, growth hormone cells and prolactin cells in the pituitary gland of the gilthead sea bream (<i>Sparus aurata</i> L., Teleostei) using light immunocytochemical methods: an ontogenetic study. <i>Anatomy and Embryology</i> , 2000, 202, 421-429.	1.5	19
49	Distribution of the professional phagocytic granulocytes of the bony fish gilthead seabream (<i>Sparus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Comparative Immunology</i> , 2007, 31, 1024-1033.	1.0	19
50	Transfection improvements of fish cell lines by using deacylated polyethylenimine of selected molecular weights. <i>Fish and Shellfish Immunology</i> , 2009, 26, 559-566.	1.6	19
51	Sertoli cell proliferation in the adult testis is induced by unilateral gonadectomy in African catfish. <i>General and Comparative Endocrinology</i> , 2012, 177, 160-167.	0.8	19
52	Early Presence of Immune Cells in the Developing Gonad of the Gilthead Seabream (<i>Sparus aurata</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	18
53	Testosterone implants modify the steroid hormone balance and the gonadal physiology of gilthead seabream (<i>Sparus aurata</i> L.) males. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 183-194.	1.2	18
54	Inorganic arsenic causes apoptosis cell death and immunotoxicity on European sea bass (<i>Dicentrarchus labrax</i>). <i>Marine Pollution Bulletin</i> , 2018, 128, 324-332.	2.3	18

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55	Influence of Low Dietary Inclusion of the Microalga <i>Nannochloropsis gaditana</i> (Lubiñ 1982) on Performance, Fish Morphology, and Muscle Growth in Juvenile Gilthead Seabream (<i>Sparus aurata</i>). <i>Animals</i> , 2020, 10, 2270.	1.0	18
56	Genes related to cell-mediated cytotoxicity and interferon response are induced in the retina of European sea bass upon intravitreal infection with nodavirus. <i>Fish and Shellfish Immunology</i> , 2018, 74, 627-636.	1.6	17
57	Severe Natural Outbreak of Cryptocaryon irritans in Gilthead Seabream Produces Leukocyte Mobilization and Innate Immunity at the Gill Tissue. <i>International Journal of Molecular Sciences</i> , 2022, 23, 937.	1.8	15
58	NK-lysin is highly conserved in European sea bass and gilthead seabream but differentially modulated during the immune response. <i>Fish and Shellfish Immunology</i> , 2020, 99, 435-441.	1.6	14
59	Characterization of the annual regulation of reproductive and immune parameters on the testis of European sea bass. <i>Cell and Tissue Research</i> , 2015, 362, 215-229.	1.5	13
60	Immune-Endocrine Interactions in the Fish Gonad during Infection: An Open Door to Vertical Transmission. <i>Fishes</i> , 2018, 3, 24.	0.7	13
61	Role of 5 α -dihydrotestosterone in testicular development of gilthead seabream following finasteride administration. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 174, 48-55.	1.2	12
62	An overview of the reproductive cycle of cultured specimens of a potential candidate for Mediterranean aquaculture, <i>Umbrina cirrosa</i> . <i>Aquaculture</i> , 2019, 505, 137-149.	1.7	12
63	Tamoxifen disrupts the reproductive process in gilthead seabream males and modulates the effects promoted by 17 β -ethynylestradiol. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 179, 94-106.	1.3	11
64	Molecular identification and characterization of haptoglobin in teleosts revealed an important role on fish viral infections. <i>Developmental and Comparative Immunology</i> , 2017, 76, 189-199.	1.0	11
65	Nanoencapsulated Clove Oil Applied as an Anesthetic at Slaughtering Decreases Stress, Extends the Freshness, and Lengthens Shelf Life of Cultured Fish. <i>Foods</i> , 2020, 9, 1750.	1.9	9
66	Reservoirs of Red-Spotted Grouper Nervous Necrosis Virus (RGNNV) in Squid and Shrimp Species of Northern Alboran Sea. <i>Viruses</i> , 2022, 14, 328.	1.5	9
67	Comparative role of microplastics and microalgae as vectors for chlorpyrifos bioaccumulation and related physiological and immune effects in mussels. <i>Science of the Total Environment</i> , 2022, 807, 150983.	3.9	8
68	Assessment of dietary inclusion of crude or hydrolysed <i>Arthrospira platensis</i> biomass in starter diets for gilthead seabream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2022, 548, 737680.	1.7	8
69	Antigen Presentation and Autophagy in Teleost Adaptive Immunity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4899.	1.8	8
70	Vaccination of Gilthead Seabream After Continuous Xenoestrogen Oral Exposure Enhances the Gut Endobolome and Immune Status via GPER1. <i>Frontiers in Immunology</i> , 2021, 12, 742827.	2.2	7
71	Flow cytometry based techniques to study testicular acidophilic granulocytes from the protandrous fish gilthead seabream (<i>Sparus aurata</i> L.). <i>Biological Procedures Online</i> , 2004, 6, 129-136.	1.4	6
72	Cimetidine disrupts the renewal of testicular cells and the steroidogenesis in a hermaphrodite fish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 189, 44-53.	1.3	5

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73	17 β -ethynylestradiol prevents the natural male-to-female sex change in gilthead seabream (<i>Sparus aurata</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.6	5
74	Genetic parameters for <i>Photobacterium damsela</i> subsp. <i>piscicida</i> resistance, immunological markers and body weight in gilthead seabream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2021, 543, 736892.	1.7	5
75	Sex Steroids Modulate Fish Immune Response. , 2012, , .		4
76	Endocrine disrupter chemicals affect the humoral antimicrobial activities of gilthead seabream males even upon the cease of the exposure. <i>Scientific Reports</i> , 2020, 10, 7966.	1.6	4
77	Profile of Innate Immunity in Gilthead Seabream Larvae Reflects Mortality upon Betanodavirus Reassortant Infection and Replication. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5092.	1.8	4
78	Gonad plasticity and gametogenesis in the endangered Spanish toothcarp <i>Aphanius iberus</i> (Teleostei:) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	3
79	Betanodavirus genotypes produce clinical signs and mortality in the shi drum (<i>Umbrina cirrosa</i>), and infective particles are isolated from the damaged brain. <i>Aquaculture</i> , 2021, 541, 736777.	1.7	3
80	Antiviral DNA vaccination in rainbow trout (<i>Oncorhynchus mykiss</i>) affects the immune response in the ovary and partially blocks its capacity to support viral replication in vitro. <i>Fish and Shellfish Immunology</i> , 2010, 29, 579-586.	1.6	2
81	Immunocytochemical Tools Reveal a New Research Field Between the Boundaries of Immunology and Reproductive Biology in Teleosts. , 0, , .		1
82	Natural feed after weaning improves the reproductive status of <i>Solea senegalensis</i> breeders. <i>Aquaculture</i> , 2021, 530, 735740.	1.7	1
83	Leukocytes and Cytokines Present in Fish Testis. , 2009, , 37-74.		1
84	Antimicrobial peptides in the gonad of European sea bass and gilthead seabream upon infection with nodavirus. <i>Fish and Shellfish Immunology</i> , 2013, 34, 1744.	1.6	0
85	The Effect of 17 β -Ethinylestradiol and GPER1 Activation on Body and Muscle Growth, Muscle Composition and Growth-Related Gene Expression of Gilthead Seabream, <i>Sparus aurata</i> L. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13118.	1.8	0
86	Potential Impacts in the Gilthead Seabream Larviculture by Nodavirus. , 0, , .		0