

# Elena Chaves-Pozo

## List of Publications by Citations

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78  
papers

1,908  
citations

26  
h-index

40  
g-index

87  
ext. papers

2,268  
ext. citations

4.5  
avg, IF

4.67  
L-index

#	Paper	IF	Citations
78	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> , <b>2005</b> , 320, 61-8	4.2	112
77	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> , <b>2005</b> , 72, 593-601	3.9	84
76	The tumor necrosis factor alpha 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> , <b>2004</b> , 61, 1331-40	10.3	74
75	Production and mechanism of secretion of interleukin-1beta from the marine fish gilthead seabream. <i>Developmental and Comparative Immunology</i> , <b>2004</b> , 28, 229-37	3.2	67
74	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> , <b>2008</b> , 45, 2998-3011	4.3	63
73	17Beta-estradiol triggers postspawning in spermatogenically active gilthead seabream ( <i>Sparus aurata</i> L.) males. <i>Biology of Reproduction</i> , <b>2007</b> , 76, 142-8	3.9	63
72	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> , <b>2007</b> , 5, 20	5	54
71	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> , <b>2012</b> , 33, 1159-66	4.2	53
70	17Estradiol regulates gilthead seabream professional phagocyte responses through macrophage activation. <i>Developmental and Comparative Immunology</i> , <b>2011</b> , 35, 19-27	3.2	52
69	Acidophilic granulocytes of the marine fish gilthead seabream ( <i>Sparus aurata</i> L.) produce interleukin-1beta following infection with <i>Vibrio anguillarum</i> . <i>Cell and Tissue Research</i> , <b>2004</b> , 316, 189-95	4.2	52
68	A role for acidophilic granulocytes in the testis of the gilthead seabream ( <i>Sparus aurata</i> L., Teleostei). <i>Journal of Endocrinology</i> , <b>2003</b> , 179, 165-74	4.7	50
67	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> , <b>2016</b> , 65, 64-72	3.2	49
66	Professional phagocytic granulocytes of the bony fish gilthead seabream display functional adaptation to testicular microenvironment. <i>Journal of Leukocyte Biology</i> , <b>2005</b> , 78, 345-51	6.5	48
65	Phagocytosis in Teleosts. Implications of the New Cells Involved. <i>Biology</i> , <b>2015</b> , 4, 907-22	4.9	47
64	Characterization of the IFN pathway in the teleost fish gonad against vertically transmitted viral nervous necrosis virus. <i>Journal of General Virology</i> , <b>2015</b> , 96, 2176-2187	4.9	46
63	Influence of melatonin on the immune system of fish: a review. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 7979-99	6.3	42
62	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> , <b>2009</b> , 27, 661-9	4.3	40

61	The rainbow trout ( <i>Oncorhynchus mykiss</i> ) interferon response in the ovary. <i>Molecular Immunology</i> , <b>2010</b> , 47, 1757-64	4-3	39
60	An active DNA vaccine against infectious pancreatic necrosis virus (IPNV) with a different mode of action than fish rhabdovirus DNA vaccines. <i>Vaccine</i> , <b>2010</b> , 28, 3291-300	4-1	37
59	FSH-, LH-, and TSH-expressing cells during development of <i>Sparus aurata</i> L. (Teleostei). An immunocytochemical study. <i>General and Comparative Endocrinology</i> , <b>2003</b> , 134, 72-9	3	37
58	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> , <b>2015</b> , 44, 203-13	4-3	35
57	Sex steroids and metabolic parameter levels in a seasonal breeding fish ( <i>Sparus aurata</i> L.). <i>General and Comparative Endocrinology</i> , <b>2008</b> , 156, 531-6	3	34
56	Dietary intake of 17 $\beta$ ethinylestradiol promotes leukocytes infiltration in the gonad of the hermaphrodite gilthead seabream. <i>Molecular Immunology</i> , <b>2011</b> , 48, 2079-86	4-3	33
55	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> , <b>2010</b> , 34, 648-58	3-2	33
54	Nodavirus Colonizes and Replicates in the Testis of Gilthead Seabream and European Sea Bass Modulating Its Immune and Reproductive Functions. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145131	3-7	31
53	Fish Peroxiredoxins and Their Role in Immunity. <i>Biology</i> , <b>2015</b> , 4, 860-80	4-9	29
52	Collagen regulates the activation of professional phagocytes of the teleost fish gilthead seabream. <i>Molecular Immunology</i> , <b>2009</b> , 46, 1409-15	4-3	26
51	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> , <b>2011</b> , 48, 1917-25	4-3	25
50	Regulation of natural killer enhancing factor (NKEF) genes in teleost fish, gilthead seabream and European sea bass. <i>Molecular Immunology</i> , <b>2013</b> , 55, 275-82	4-3	24
49	Estrogen-responsive genes in macrophages of the bony fish gilthead seabream: a transcriptomic approach. <i>Developmental and Comparative Immunology</i> , <b>2011</b> , 35, 840-9	3-2	24
48	Innate Cell-Mediated Cytotoxic Activity of European Sea Bass Leucocytes Against Nodavirus-Infected Cells: A Functional and RNA-seq Study. <i>Scientific Reports</i> , <b>2017</b> , 7, 15396	4-9	23
47	A role for matrix metalloproteinases in granulocyte infiltration and testicular remodeling in a seasonal breeding teleost. <i>Molecular Immunology</i> , <b>2008</b> , 45, 2820-30	4-3	23
46	Seasonal variations of the humoral immune parameters of European sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Fish and Shellfish Immunology</i> , <b>2014</b> , 39, 185-7	4-3	22
45	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> , <b>2016</b> , 70, 734-46	3-2	19
44	The effect of 17 $\beta$ ethinylestradiol on steroidogenesis and gonadal cytokine gene expression is related to the reproductive stage in marine hermaphrodite fish. <i>Marine Drugs</i> , <b>2013</b> , 11, 4973-92	6	19

43	Immune effects observed after the injection of plasmids coding for rainbow trout ( <i>Oncorhynchus mykiss</i> ) CK5B, CK6 and CK7A chemokines demonstrate their immunomodulatory capacity and reveal CK6 as a major interferon inducer. <i>Developmental and Comparative Immunology</i> , <b>2009</b> , 33, 1137-45	3.2	19
42	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> , <b>2013</b> , 138, 183-94	5.1	18
41	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> , <b>2000</b> , 202, 421-9		18
40	European sea bass brain DLB-1 cell line is susceptible to nodavirus: A transcriptomic study. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 86, 14-24	4.3	18
39	Effects of Sex Steroids on Fish Leukocytes. <i>Biology</i> , <b>2018</b> , 7,	4.9	17
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> , <b>2017</b> , 38, 91-100	3.6	17
37	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> , <b>2019</b> , 88, 458-463	4.3	16
36	Early presence of immune cells in the developing gonad of the gilthead seabream ( <i>Sparus aurata</i> Linnaeus, 1758). <i>Journal of Reproduction and Development</i> , <b>2009</b> , 55, 440-5	2.1	16
35	Transfection improvements of fish cell lines by using deacylated polyethylenimine of selected molecular weights. <i>Fish and Shellfish Immunology</i> , <b>2009</b> , 26, 559-66	4.3	16
34	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> , <b>2016</b> , 57, 107-115	4.3	15
33	Role of estrogens in fish immunity with special emphasis on GPER1. <i>Developmental and Comparative Immunology</i> , <b>2018</b> , 89, 102-110	3.2	15
32	Sertoli cell proliferation in the adult testis is induced by unilateral gonadectomy in African catfish. <i>General and Comparative Endocrinology</i> , <b>2012</b> , 177, 160-7	3	15
31	Distribution of the professional phagocytic granulocytes of the bony fish gilthead seabream ( <i>Sparus aurata</i> L.) during the ontogeny of lymphomyeloid organs and pathogen entry sites. <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 1024-33	3.2	15
30	Inorganic arsenic causes apoptosis cell death and immunotoxicity on European sea bass ( <i>Dicentrarchus labrax</i> ). <i>Marine Pollution Bulletin</i> , <b>2018</b> , 128, 324-332	6.7	14
29	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> , <b>2016</b> , 65, 1-7	3.2	13
28	Identification and Regulation of Interleukin-17 (IL-17) Family Ligands in the Teleost Fish European Sea Bass. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	13
27	Characterization of the annual regulation of reproductive and immune parameters on the testis of European sea bass. <i>Cell and Tissue Research</i> , <b>2015</b> , 362, 215-29	4.2	11
26	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> , <b>2018</b> , 74, 627-636	4.3	11

25	Vaccination with UV-inactivated nodavirus partly protects European sea bass against infection, while inducing few changes in immunity. <i>Developmental and Comparative Immunology</i> , <b>2018</b> , 86, 171-179 <sup>3,2</sup>		11
24	Tamoxifen disrupts the reproductive process in gilthead seabream males and modulates the effects promoted by 17β-ethynylestradiol. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2016</b> , 179, 94-106	3.2	10
23	Fish Granzyme A Shows a Greater Role Than Granzyme B in Fish Innate Cell-Mediated Cytotoxicity. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2579	8.4	10
22	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> , <b>2020</b> , 103, 103516	3.2	10
21	Molecular identification and characterization of haptoglobin in teleosts revealed an important role on fish viral infections. <i>Developmental and Comparative Immunology</i> , <b>2017</b> , 76, 189-199	3.2	9
20	An overview of the reproductive cycle of cultured specimens of a potential candidate for Mediterranean aquaculture, <i>Umbrina cirrosa</i> . <i>Aquaculture</i> , <b>2019</b> , 505, 137-149	4.4	9
19	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> , <b>2020</b> , 10,	3.1	9
18	Immune-Endocrine Interactions in the Fish Gonad during Infection: An Open Door to Vertical Transmission. <i>Fishes</i> , <b>2018</b> , 3, 24	2.5	7
17	Role of 5α-dihydrotestosterone in testicular development of gilthead seabream following finasteride administration. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2017</b> , 174, 48-55	5.1	6
16	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> , <b>2020</b> , 99, 435-441	4.3	5
15	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> , <b>2004</b> , 6, 129-136	8.3	5
14	Sex Steroids Modulate Fish Immune Response <b>2012</b> ,		4
13	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> , <b>2016</b> , 189, 44-53	3.2	4
12	Endocrine disrupter chemicals affect the humoral antimicrobial activities of gilthead seabream males even upon the cease of the exposure. <i>Scientific Reports</i> , <b>2020</b> , 10, 7966	4.9	3
11	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> , <b>2021</b> , 543, 736892	4.4	3
10	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> , <b>2010</b> , 29, 579-86	4.3	2
9	Gonad plasticity and gametogenesis in the endangered Spanish toothcarp <i>Aphanius iberus</i> (Teleostei: Cyprinodontidae). <i>Tissue and Cell</i> , <b>2009</b> , 41, 206-13	2.7	2
8	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> , <b>2022</b> , 548, 737680	4.4	2

7	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> , <b>2021</b> , 807, 150983	10.2	2
6	Nanoencapsulated Clove Oil Applied as an Anesthetic at Slaughtering Decreases Stress, Extends the Freshness, and Lengthens Shelf Life of Cultured Fish. <i>Foods</i> , <b>2020</b> , 9,	4.9	2
5	Leukocytes and Cytokines Present in Fish Testis <b>2009</b> , 37-74		1
4	17Ethinylestradiol prevents the natural male-to-female sex change in gilthead seabream ( <i>Sparus aurata</i> L.). <i>Scientific Reports</i> , <b>2020</b> , 10, 20067	4.9	1
3	Natural feed after weaning improves the reproductive status of <i>Solea senegalensis</i> breeders. <i>Aquaculture</i> , <b>2021</b> , 530, 735740	4.4	1
2	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> , <b>2021</b> , 541, 736777	4.4	1
1	Vaccination of Gilthead Seabream After Continuous Xenoestrogen Oral Exposure Enhances the Gut Endobolome and Immune Status GPER1. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 742827	8.4	0