Victoriano Mulero

List of Publications by Year
in descending order

125	6,894	53660	69108
papers	citations	45 h-index	77 g-index

134	134	134	7301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of Lipopolysaccharide (LPS) Recognition and Signaling: Fish TLR4 Does Not Recognize LPS and Negatively Regulates NF-Î¹B Activation. Journal of Immunology, 2009, 182, 1836-1845.	0.4	403
2	Cell Volume Regulation Modulates NLRP3 Inflammasome Activation. Immunity, 2012, 37, 487-500.	6.6	326
3	Cxcl8 (IL-8) Mediates Neutrophil Recruitment and Behavior in the Zebrafish Inflammatory Response. Journal of Immunology, 2013, 190, 4349-4359.	0.4	294
4	Proinflammatory Signaling Regulates Hematopoietic Stem Cell Emergence. Cell, 2014, 159, 1070-1085.	13.5	262
5	Regulation of immunity and disease resistance by commensal microbes and chromatin modifications during zebrafish development. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2605-14.	3.3	213
6	Evolution of the Inflammatory Response in Vertebrates: Fish TNF-Î± Is a Powerful Activator of Endothelial Cells but Hardly Activates Phagocytes. Journal of Immunology, 2008, 181, 5071-5081.	0.4	176
7	New Insights into the Evolution of IFNs: Zebrafish Group II IFNs Induce a Rapid and Transient Expression of IFN-Dependent Genes and Display Powerful Antiviral Activities. Journal of Immunology, 2009, 182, 3440-3449.	0.4	167
8	Methodological aspects of assessing phagocytosis of Vibrio anguillarum by leucocytes of gilthead seabream (Sparus aurata L.) by flow cytometry and electron microscopy. Cell and Tissue Research, 1998, 293, 133-141.	1.5	164
9	Selective Manipulation of the Gut Microbiota Improves Immune Status in Vertebrates. Frontiers in Immunology, 2015, 6, 512.	2.2	145
10	Histamine is stored in mast cells of most evolutionarily advanced fish and regulates the fish inflammatory response. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19434-19439.	3.3	133
11	Effects of administration of probiotic strains on GALT of larval gilthead seabream: Immunohistochemical and ultrastructural studies. Fish and Shellfish Immunology, 2007, 22, 57-67.	1.6	129
12	Molecular cloning and expression analysis of tumor necrosis factor Î± from a marine fish reveal its constitutive expression and ubiquitous nature. Immunogenetics, 2002, 54, 200-207.	1.2	126
13	Early innate immune response and redistribution of inflammatory cells in the bony fish gilthead seabream experimentally infected with Vibrio anguillarum. Cell and Tissue Research, 2005, 320, 61-68.	1.5	126
14	The activation of gilthead seabream professional phagocytes by different PAMPs underlines the behavioural diversity of the main innate immune cells of bony fish. Molecular Immunology, 2007, 44, 2009-2016.	1.0	122
15	Microbiology and immunology of fish larvae. Reviews in Aquaculture, 2013, 5, S1.	4.6	122
16	Characterisation of gilthead seabream acidophilic granulocytes by a monoclonal antibody unequivocally points to their involvement in fish phagocytic response. Cell and Tissue Research, 2002, 308, 97-102.	1.5	118
17	Neutrophils mediate Salmonella Typhimurium clearance through the GBP4 inflammasome-dependent production of prostaglandins. Nature Communications, 2016, 7, 12077.	5.8	109
18	Differential Modulation of IgT and IgM upon Parasitic, Bacterial, Viral, and Dietary Challenges in a Perciform Fish. Frontiers in Immunology, 2016, 7, 637.	2.2	102

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19	The antimicrobial peptides piscidins are stored in the granules of professional phagocytic granulocytes of fish and are delivered to the bacteria-containing phagosome upon phagocytosis. Developmental and Comparative Immunology, 2008, 32, 1531-1538.	1.0	92
20	Vibrio anguillarum evades the immune response of the bony fish sea bass (Dicentrarchus labrax L.) through the inhibition of leukocyte respiratory burst and down-regulation of apoptotic caspases. Molecular Immunology, 2007, 44, 3751-3757.	1.0	91
21	INTERLEUKIN-1Î² ISOLATED FROM A MARINE FISH REVEALS UP-REGULATED EXPRESSION IN MACROPHAGES FOLLOWING ACTIVATION WITH LIPOPOLYSACCHARIDE AND LYMPHOKINES. Cytokine, 2001, 16, 67-72.	1.4	83
22	Evolution of inflammasome functions in vertebrates: Inflammasome and caspase-1 trigger fish macrophage cell death but are dispensable for the processing of IL-1Î². Innate Immunity, 2012, 18, 815-824.	1.1	83
23	Premature aging in telomerase-deficient zebrafish. DMM Disease Models and Mechanisms, 2013, 6, 1101-12.	1.2	83
24	The colony-stimulating factor-1 receptor is a specific marker of macrophages from the bony fish gilthead seabream. Molecular Immunology, 2006, 43, 1418-1423.	1.0	82
25	Recombinant TNFÎ± as oral vaccine adjuvant protects European sea bass against vibriosis: Insights into the role of the CCL25/CCR9 axis. Fish and Shellfish Immunology, 2013, 35, 1260-1271.	1.6	80
26	Production and mechanism of secretion of interleukin-1Î² from the marine fish gilthead seabream. Developmental and Comparative Immunology, 2004, 28, 229-237.	1.0	79
27	Zebrafish larvae are unable to mount a protective antiviral response against waterborne infection by spring viremia of carp virus. Developmental and Comparative Immunology, 2010, 34, 546-552.	1.0	79
28	The tumor necrosis factor a 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. Cellular and Molecular Life Sciences, 2004, 61, 1331-1340.	2.4	77
29	17Î±-Ethynylestradiol alters the immune response of the teleost gilthead seabream (Sparus aurata L.) both in vivo and in vitro. Developmental and Comparative Immunology, 2012, 36, 547-556.	1.0	72
30	17Beta-Estradiol Triggers Postspawning in Spermatogenically Active Gilthead Seabream (Sparus aurata) Tj ETQq0 0 0 rgBT /Overlock 10	1.2	71
31	ATP Modulates Acute Inflammation In Vivo through Dual Oxidase 1â€“Derived H2O2 Production and NF-Î³B Activation. Journal of Immunology, 2014, 192, 5710-5719.	0.4	66
32	Olfactory sensory neurons mediate ultrarapid antiviral immune responses in a TrkA-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12428-12436.	3.3	66
33	Detection of antimicrobial peptides related to piscidin 4 in important aquacultured fish. Developmental and Comparative Immunology, 2010, 34, 331-343.	1.0	63
34	Inflammasome Regulates Hematopoiesis through Cleavage of the Master Erythroid Transcription Factor GATA1. Immunity, 2019, 51, 50-63.e5.	6.6	61
35	Solute carrier 11a1 (Slc11a1; formerly Nramp1) regulates metabolism and release of iron acquired by phagocytic, but not transferrin-receptor-mediated, iron uptake. Biochemical Journal, 2002, 363, 89-94.	1.7	60
36	Molecular and functional characterization of gilthead seabream Sparus aurata caspase-1: The first identification of an inflammatory caspase in fish. Molecular Immunology, 2008, 45, 49-57.	1.0	59

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37	Estrogen Signaling through the G Proteinâ€“Coupled Estrogen Receptor Regulates Granulocyte Activation in Fish. Journal of Immunology, 2013, 191, 4628-4639.	0.4	59
38	Acidophilic granulocytes of the marine fish gilthead seabream (Sparus aurata L.) produce interleukin-1ï¿½ following infection with Vibrio anguillarum. Cell and Tissue Research, 2004, 316, 189-195.	1.5	58
39	17Î²-Estradiol regulates gilthead seabream professional phagocyte responses through macrophage activation. Developmental and Comparative Immunology, 2011, 35, 19-27.	1.0	57
40	A role for acidophilic granulocytes in the testis of the gilthead seabream (Sparus aurata L., Teleostei). Journal of Endocrinology, 2003, 179, 165-174.	1.2	56
41	Professional phagocytic granulocytes of the bony fish gilthead seabream display functional adaptation to testicular microenvironment. Journal of Leukocyte Biology, 2005, 78, 345-351.	1.5	56
42	The type II interleukin-1 receptor (IL-1RII) of the bony fish gilthead seabream Sparus aurata is strongly induced after infection and tightly regulated at transcriptional and post-transcriptional levels. Molecular Immunology, 2007, 44, 2772-2780.	1.0	56
43	Tnfa Signaling Through Tnfr2 Protects Skin Against Oxidative Stressâ€“Induced Inflammation. PLoS Biology, 2014, 12, e1001855.	2.6	55
44	Application of the dual-luciferase reporter assay to the analysis of promoter activity in Zebrafish embryos. BMC Biotechnology, 2008, 8, 81.	1.7	51
45	Characterization of macrophages from the bony fish gilthead seabream using an antibody against the macrophage colony-stimulating factor receptor. Developmental and Comparative Immunology, 2008, 32, 1151-1159.	1.0	51
46	Interleukin 8 mediates bclâ€xLâ€induced enhancement of human melanoma cell dissemination and angiogenesis in a zebrafish xenograft model. International Journal of Cancer, 2018, 142, 584-596.	2.3	51
47	TNF receptors regulate vascular homeostasis in zebrafish through a caspase-8, caspase-2 and P53 apoptotic program that bypasses caspase-3. DMM Disease Models and Mechanisms, 2013, 6, 383-96.	1.2	45
48	Evolutionary conserved pro-inflammatory and antigen presentation functions of zebrafish IFNÎ³ revealed by transcriptomic and functional analysis. Molecular Immunology, 2011, 48, 1073-1083.	1.0	43
49	Molecular cloning, phylogenetic analysis and functional characterization of soluble Toll-like receptor 5 in gilthead seabream, Sparus aurata. Fish and Shellfish Immunology, 2013, 35, 36-45.	1.6	41
50	Characterization of ATP-gated P2X7 receptors in fish provides new insights into the mechanism of release of the leaderless cytokine interleukin-1Î². Molecular Immunology, 2007, 44, 1286-1299.	1.0	40
51	Dietary intake of 17Î±-ethinylestradiol promotes leukocytes infiltration in the gonad of the hermaphrodite gilthead seabream. Molecular Immunology, 2011, 48, 2079-2086.	1.0	40
52	Prolactin-Induced Production of Reactive Oxygen Species and IL-1Î² in Leukocytes from the Bony Fish Gilthead Seabream Involves Jak/Stat and NF-ÎºB Signaling Pathways. Journal of Immunology, 2010, 185, 3873-3883.	0.4	39
53	Duox1-Derived H2O2 Modulates Cxcl8 Expression and Neutrophil Recruitment via JNK/c-JUN/AP-1 Signaling and Chromatin Modifications. Journal of Immunology, 2015, 194, 1523-1533.	0.4	39
54	Cxcl8-l1 and Cxcl8-l2 are required in the zebrafish defense against Salmonella Typhimurium. Developmental and Comparative Immunology, 2015, 49, 44-48.	1.0	39

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55	Zebra Fish Lacking Adaptive Immunity Acquire an Antiviral Alert State Characterized by Upregulated Gene Expression of Apoptosis, Multigene Families, and Interferon-Related Genes. Frontiers in Immunology, 2017, 8, 121.	2.2	39
56	Viral nervous necrosis virus persistently replicates in the central nervous system of asymptomatic gilthead seabream and promotes a transient inflammatory response followed by the infiltration of IgM+ B lymphocytes. Developmental and Comparative Immunology, 2012, 37, 429-437.	1.0	38
57	TRPV4-Mediated Detection of Hyposmotic Stress by Skin Keratinocytes Activates Developmental Immunity. Journal of Immunology, 2016, 196, 738-749.	0.4	37
58	Vaccination of larvae of the bony fish gilthead seabream reveals a lack of correlation between lymphocyte development and adaptive immunocompetence. Molecular Immunology, 2008, 45, 2981-2989.	1.0	35
59	Exposure to Yeast Shapes the Intestinal Bacterial Community Assembly in Zebrafish Larvae. Frontiers in Microbiology, 2018, 9, 1868.	1.5	35
60	TNFÎ± Impairs Rhabdoviral Clearance by Inhibiting the Host Autophagic Antiviral Response. PLoS Pathogens, 2016, 12, e1005699.	2.1	35
61	Modulation of leukocytic populations of gilthead sea bream (Sparus aurata) by the intestinal parasite Enteromyxum leei (Myxozoa: Myxosporea). Parasitology, 2014, 141, 425-440.	0.7	34
62	Prostaglandin E2 promotes M2 polarization of macrophages via a cAMP/CREB signaling pathway and deactivates granulocytes in teleost fish. Fish and Shellfish Immunology, 2016, 55, 632-641.	1.6	34
63	TLR agonists extend the functional lifespan of professional phagocytic granulocytes in the bony fish gilthead seabream and direct precursor differentiation towards the production of granulocytes. Molecular Immunology, 2011, 48, 846-859.	1.0	33
64	Toll-like receptor 22 of gilthead seabream, Sparus aurata: Molecular cloning, expression profiles and post-transcriptional regulation. Developmental and Comparative Immunology, 2014, 44, 173-179.	1.0	33
65	An Adult Zebrafish Model Reveals that Mucormycosis Induces Apoptosis of Infected Macrophages. Scientific Reports, 2018, 8, 12802.	1.6	33
66	A non-canonical function of telomerase RNA in the regulation of developmental myelopoiesis in zebrafish. Nature Communications, 2014, 5, 3228.	5.8	32
67	Infiltration and activation of acidophilic granulocytes in skin lesions of gilthead seabream, Sparus aurata, naturally infected with lymphocystis disease virus. Developmental and Comparative Immunology, 2012, 36, 174-182.	1.0	31
68	Post-transcriptional regulation of cytokine genes in fish: A role for conserved AU-rich elements located in the 3â€²-untranslated region of their mRNAs. Molecular Immunology, 2007, 44, 472-478.	1.0	30
69	Natural and synthetic estrogens modulate the inflammatory response in the gilthead seabream (Sparus aurata L.) through the activation of endothelial cells. Molecular Immunology, 2011, 48, 1917-1925.	1.0	30
70	The Effect of 17Î±-Ethynylestradiol on Steroidogenesis and Gonadal Cytokine Gene Expression Is Related to the Reproductive Stage in Marine Hermaphrodite Fish. Marine Drugs, 2013, 11, 4973-4992.	2.2	30
71	Iron regulates myeloma cell/macrophage interaction and drives resistance to bortezomib. Redox Biology, 2020, 36, 101611.	3.9	30
72	Nonspecific cell-mediated cytotoxicity in the seawater teleosts (Sparus aurata andDicentrarchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	29	

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73	Zebrafish modeling reveals that SPINT1 regulates the aggressiveness of skin cutaneous melanoma and its crosstalk with tumor immune microenvironment. Journal of Experimental and Clinical Cancer Research, 2019, 38, 405.	3.5	29
74	A fish cell surface receptor defined by a mAb mediates leukocyte aggregation and deactivation. Developmental and Comparative Immunology, 2001, 25, 619-627.	1.0	28
75	Identification and functional characterization of a new IL-1 family member, IL-1Fm2, in most evolutionarily advanced fish. Innate Immunity, 2014, 20, 487-500.	1.1	28
76	Role of histamine in the regulation of intestinal immunity in fish. Developmental and Comparative Immunology, 2016, 64, 178-186.	1.0	28
77	The vitamin B6-regulated enzymes PYGL and G6PD fuel NADPH oxidases to promote skin inflammation. Developmental and Comparative Immunology, 2020, 108, 103666.	1.0	28
78	Non-specific Cytotoxic Response against Tumor Target Cells Mediated by Leucocytes from Seawater Teleosts, Sparus aurata and Dicentrarchus labrax: An Ultrastructural Study.. Archives of Histology and Cytology, 1994, 57, 351-358.	0.2	27
79	Collagen regulates the activation of professional phagocytes of the teleost fish gilthead seabream. Molecular Immunology, 2009, 46, 1409-1415.	1.0	27
80	Estrogen-responsive genes in macrophages of the bony fish gilthead seabream: A transcriptomic approach. Developmental and Comparative Immunology, 2011, 35, 840-849.	1.0	26
81	Professional phagocytic granulocyte-derived PGD2 regulates the resolution of inflammation in fish. Developmental and Comparative Immunology, 2015, 52, 182-191.	1.0	25
82	G Protein-Coupled Estrogen Receptor 1 Regulates Human Neutrophil Functions. Biomedicine Hub, 2017, 2, 1-13.	0.4	25
83	RAC1-Dependent ORAI1 Translocation to the Leading Edge Supports Lamellipodia Formation and Directional Persistence. Scientific Reports, 2020, 10, 6580.	1.6	25
84	NAMPT-derived NAD+ fuels PARP1 to promote skin inflammation through parthanatos cell death. PLoS Biology, 2021, 19, e3001455.	2.6	25
85	Effects of recombinant flagellin B and its ND1 domain from Vibrio anguillarum on macrophages from gilthead seabream (Sparus aurata L.) and rainbow trout (Oncorhynchus mykiss, W.). Fish and Shellfish Immunology, 2015, 42, 144-152.	1.6	24
86	The zebrafish: A research model to understand the evolution of vertebrate immunity. Fish and Shellfish Immunology, 2019, 90, 215-222.	1.6	24
87	Role of estrogens in fish immunity with special emphasis on GPER1. Developmental and Comparative Immunology, 2018, 89, 102-110.	1.0	23
88	Rag1 immunodeficiencyâ€induced early aging and senescence in zebrafish are dependent on chronic inflammation and oxidative stress. Aging Cell, 2019, 18, e13020.	3.0	23
89	UFMylation of MRE11 is essential for telomere length maintenance and hematopoietic stem cell survival. Science Advances, 2021, 7, eabc7371.	4.7	23
90	Specific and non-overlapping functions of testosterone and 11-ketotestosterone in the regulation of professional phagocyte responses in the teleost fish gilthead seabream. Molecular Immunology, 2013, 53, 218-226.	1.0	22

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91	Models of human psoriasis: Zebrafish the newly appointed player. Developmental and Comparative Immunology, 2019, 97, 76-87.	1.0	22
92	Hydrogen peroxide in neutrophil inflammation: Lesson from the zebrafish. Developmental and Comparative Immunology, 2020, 105, 103583.	1.0	21
93	Md1 and Rp105 regulate innate immunity and viral resistance in zebrafish. Developmental and Comparative Immunology, 2015, 50, 155-165.	1.0	20
94	Selective estrogen receptor modulators differentially alter the immune response of gilthead seabream juveniles. Fish and Shellfish Immunology, 2016, 52, 189-197.	1.6	19
95	Aluminum adjuvant potentiates gilthead seabream immune responses but induces toxicity in splenic melanomacrophage centers. Fish and Shellfish Immunology, 2019, 85, 31-43.	1.6	19
96	Estrogen receptor 2b deficiency impairs the antiviral response of zebrafish. Developmental and Comparative Immunology, 2015, 53, 55-62.	1.0	17
97	Identification of an Evolutionarily Conserved Ankyrin Domain-Containing Protein, Caiap, Which Regulates Inflammasome-Dependent Resistance to Bacterial Infection. Frontiers in Immunology, 2017, 8, 1375.	2.2	17
98	Bcl-xL: A Focus on Melanoma Pathobiology. International Journal of Molecular Sciences, 2021, 22, 2777.	1.8	17
99	Estrogens Promote the Production of Natural Neutralizing Antibodies in Fish through G Protein-Coupled Estrogen Receptor 1. Frontiers in Immunology, 2017, 8, 736.	2.2	15
100	Non-canonical roles of NAMPT and PARP in inflammation. Developmental and Comparative Immunology, 2021, 115, 103881.	1.0	15
101	Tamoxifen persistently disrupts the humoral adaptive immune response of gilthead seabream (Sparus) Tj ETQq1 1 0.784314 rgBT /Ov	1.0	14
102	An orphan viral TNF receptor superfamily member identified in lymphocystis disease virus. Virology Journal, 2013, 10, 188.	1.4	13
103	A synthetic peptide derived from the D1 domain of flagellin induced the expression of proinflammatory cytokines in fish macrophages. Fish and Shellfish Immunology, 2015, 47, 239-244.	1.6	12
104	Zebrafish Models to Study Inflammasome-Mediated Regulation of Hematopoiesis. Trends in Immunology, 2020, 41, 1116-1127.	2.9	12
105	Histamine regulates the inflammatory response of the tunicate Styela plicata. Developmental and Comparative Immunology, 2014, 46, 382-391.	1.0	11
106	Pseudozyma Priming Influences Expression of Genes Involved in Metabolic Pathways and Immunity in Zebrafish Larvae. Frontiers in Immunology, 2020, 11, 978.	2.2	11
107	The neutrophil inflammasome. Developmental and Comparative Immunology, 2021, 115, 103874.	1.0	11
108	17Î±-Ethynylestradiol alters the peritoneal immune response of gilthead seabream. Developmental and Comparative Immunology, 2017, 76, 143-149.	1.0	9

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109	Aluminum is a powerful adjuvant in teleost fish despite failing to induce interleukin-1Î² release. Developmental and Comparative Immunology, 2018, 85, 18-24.	1.0	9
110	Flagellin from Marinobacter algicola and Vibrio vulnificus activates the innate immune response of gilthead seabream. Developmental and Comparative Immunology, 2014, 47, 160-167.	1.0	8
111	Telomerase RNA recruits RNA polymerase II to target gene promoters to enhance myelopoiesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2015528118.	3.3	8
112	Fish granulocytes express a constitutively active androgen receptor variant. Developmental and Comparative Immunology, 2014, 45, 115-122.	1.0	7
113	Identification of Evolutionarily Conserved Md1 Splice Variants That Regulate Innate Immunity through Differential Induction of NF-Ð°B. Journal of Immunology, 2016, 197, 1379-1388.	0.4	7
114	Bee pollen as a dietary supplement for fish: Effect on the reproductive performance of zebrafish and the immunological response of their offspring. Fish and Shellfish Immunology, 2021, 119, 300-307.	1.6	7
115	WDR90 is a new component of the NLRC4 inflammasome involved in Salmonella Typhimurium resistance. Developmental and Comparative Immunology, 2019, 100, 103428.	1.0	6
116	Gasdermin E mediates pyroptotic cell death of neutrophils and macrophages in a zebrafish model of chronic skin inflammation. Developmental and Comparative Immunology, 2022, 132, 104404.	1.0	6
117	Isolation of mast cells from the peritoneal exudate of the teleost fish gilthead sea bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overloc	1.6	5
118	Cimetidine disrupts the renewal of testicular cells and the steroidogenesis in a hermaphrodite fish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2016, 189, 44-53.	1.3	5
119	Histamine and mast cell activator compound 48/80 are safe but inefficient systemic adjuvants for gilthead seabream vaccination. Developmental and Comparative Immunology, 2017, 72, 1-8.	1.0	5
120	Bee pollen in zebrafish diet affects intestinal microbiota composition and skin cutaneous melanoma development. Scientific Reports, 2022, 12, .	1.6	5
121	Zebrafish Models to Study the Crosstalk between Inflammation and NADPH Oxidase-Derived Oxidative Stress in Melanoma. Antioxidants, 2022, 11, 1277.	2.2	4
122	Telomerase reverse transcriptase activates transcription ofmiR500Ato inhibit Hedgehog signalling and promote cell invasiveness. Molecular Oncology, 2021, 15, 1818-1834.	2.1	3
123	Editorial: Fish neutrophils meet proresolving eicosanoids. Journal of Leukocyte Biology, 2016, 99, 227-229.	1.5	2
124	Response to Boyle etÂal.. Immunity, 2013, 38, 400-401.	6.6	1
125	The molecular, functional and phylogenetic characterization of PGE2 receptors reveals their different roles in the immune response of the teleost fish gilthead seabream (Sparus aurata L.). Developmental and Comparative Immunology, 2021, 114, 103803.	1.0	0