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	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
2	Bee pollen in zebrafish diet affects intestinal microbiota composition and skin cutaneous melanoma development. Scientific Reports, 2022, 12, .	1.6	5
3	Zebrafish Models to Study the Crosstalk between Inflammation and NADPH Oxidase-Derived Oxidative Stress in Melanoma. Antioxidants, 2022, 11, 1277.	2.2	4
4	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
5	The neutrophil inflammasome. Developmental and Comparative Immunology, 2021, 115, 103874.	1.0	11
6	Non-canonical roles of NAMPT and PARP in inflammation. Developmental and Comparative Immunology, 2021, 115, 103881.	1.0	15
7	Bcl-xL: A Focus on Melanoma Pathobiology. International Journal of Molecular Sciences, 2021, 22, 2777.	1.8	17
8	Telomerase reverse transcriptase activates transcription ofmiR500Ato inhibit Hedgehog signalling and promote cell invasiveness. Molecular Oncology, 2021, 15, 1818-1834.	2.1	3
9	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
10	UFMylation of MRE11 is essential for telomere length maintenance and hematopoietic stem cell survival. Science Advances, 2021, 7, eabc7371.	4.7	23
11	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
12	NAMPT-derived NAD+ fuels PARP1 to promote skin inflammation through parthanatos cell death. PLoS Biology, 2021, 19, e3001455.	2.6	25
13	Hydrogen peroxide in neutrophil inflammation: Lesson from the zebrafish. Developmental and Comparative Immunology, 2020, 105, 103583.	1.0	21
14	Iron regulates myeloma cell/macrophage interaction and drives resistance to bortezomib. Redox Biology, 2020, 36, 101611.	3.9	30
15	Zebrafish Models to Study Inflammasome-Mediated Regulation of Hematopoiesis. Trends in Immunology, 2020, 41, 1116-1127.	2.9	12
16	Pseudozyma Priming Influences Expression of Genes Involved in Metabolic Pathways and Immunity in Zebrafish Larvae. Frontiers in Immunology, 2020, 11, 978.	2.2	11
17	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
18	RAC1-Dependent ORAI1 Translocation to the Leading Edge Supports Lamellipodia Formation and Directional Persistence. Scientific Reports, 2020, 10, 6580.	1.6	25

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19	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
20	WDR90 is a new component of the NLRC4 inflammasome involved in Salmonella Typhimurium resistance. Developmental and Comparative Immunology, 2019, 100, 103428.	1.0	6
21	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
22	Inflammasome Regulates Hematopoiesis through Cleavage of the Master Erythroid Transcription Factor GATA1. Immunity, 2019, 51, 50-63.e5.	6.6	61
23	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
24	The zebrafish: A research model to understand the evolution of vertebrate immunity. Fish and Shellfish Immunology, 2019, 90, 215-222.	1.6	24
25	Models of human psoriasis: Zebrafish the newly appointed player. Developmental and Comparative Immunology, 2019, 97, 76-87.	1.0	22
26	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
27	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
28	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
29	An Adult Zebrafish Model Reveals that Mucormycosis Induces Apoptosis of Infected Macrophages. Scientific Reports, 2018, 8, 12802.	1.6	33
30	Exposure to Yeast Shapes the Intestinal Bacterial Community Assembly in Zebrafish Larvae. Frontiers in Microbiology, 2018, 9, 1868.	1.5	35
31	Role of estrogens in fish immunity with special emphasis on GPER1. Developmental and Comparative Immunology, 2018, 89, 102-110.	1.0	23
32	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
33	17Î±-Ethynylestradiol alters the peritoneal immune response of gilthead seabream. Developmental and Comparative Immunology, 2017, 76, 143-149.	1.0	9
34	G Protein-Coupled Estrogen Receptor 1 Regulates Human Neutrophil Functions. Biomedicine Hub, 2017, 2, 1-13.	0.4	25
35	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
36	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

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37	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
38	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
39	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
40	Editorial: Fish neutrophils meet proresolving eicosanoids. Journal of Leukocyte Biology, 2016, 99, 227-229.	1.5	2
41	Selective estrogen receptor modulators differentially alter the immune response of gilthead seabream juveniles. Fish and Shellfish Immunology, 2016, 52, 189-197.	1.6	19
42	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
43	Identification of Evolutionarily Conserved Md1 Splice Variants That Regulate Innate Immunity through Differential Induction of NF-ÐºB. Journal of Immunology, 2016, 197, 1379-1388.	0.4	7
44	Neutrophils mediate Salmonella Typhimurium clearance through the GBP4 inflammasome-dependent production of prostaglandins. Nature Communications, 2016, 7, 12077.	5.8	109
45	Role of histamine in the regulation of intestinal immunity in fish. Developmental and Comparative Immunology, 2016, 64, 178-186.	1.0	28
46	TRPV4-Mediated Detection of Hyposmotic Stress by Skin Keratinocytes Activates Developmental Immunity. Journal of Immunology, 2016, 196, 738-749.	0.4	37
47	TNFÎ± Impairs Rhabdoviral Clearance by Inhibiting the Host Autophagic Antiviral Response. PLoS Pathogens, 2016, 12, e1005699.	2.1	35
48	Selective Manipulation of the Gut Microbiota Improves Immune Status in Vertebrates. Frontiers in Immunology, 2015, 6, 512.	2.2	145
49	Md1 and Rp105 regulate innate immunity and viral resistance in zebrafish. Developmental and Comparative Immunology, 2015, 50, 155-165.	1.0	20
50	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
51	Professional phagocytic granulocyte-derived PGD2 regulates the resolution of inflammation in fish. Developmental and Comparative Immunology, 2015, 52, 182-191.	1.0	25
52	Estrogen receptor 2b deficiency impairs the antiviral response of zebrafish. Developmental and Comparative Immunology, 2015, 53, 55-62.	1.0	17
53	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
54	Tamoxifen persistently disrupts the humoral adaptive immune response of gilthead seabream (Sparus) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	14

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55	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
56	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
57	Tnfa Signaling Through Tnfr2 Protects Skin Against Oxidative Stressâ€“Induced Inflammation. PLoS Biology, 2014, 12, e1001855.	2.6	55
58	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
59	Fish granulocytes express a constitutively active androgen receptor variant. Developmental and Comparative Immunology, 2014, 45, 115-122.	1.0	7
60	A non-canonical function of telomerase RNA in the regulation of developmental myelopoiesis in zebrafish. Nature Communications, 2014, 5, 3228.	5.8	32
61	ATP Modulates Acute Inflammation In Vivo through Dual Oxidase 1â€“Derived H2O2 Production and NF-ÎºB Activation. Journal of Immunology, 2014, 192, 5710-5719.	0.4	66
62	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
63	Proinflammatory Signaling Regulates Hematopoietic Stem Cell Emergence. Cell, 2014, 159, 1070-1085.	13.5	262
64	Isolation of mast cells from the peritoneal exudate of the teleost fish gilthead sea bream (Sparus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.6	5
65	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
66	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
67	Histamine regulates the inflammatory response of the tunicate Styela plicata. Developmental and Comparative Immunology, 2014, 46, 382-391.	1.0	11
68	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
69	An orphan viral TNF receptor superfamily member identified in lymphocystis disease virus. Virology Journal, 2013, 10, 188.	1.4	13
70	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
71	Premature aging in telomerase-deficient zebrafish. DMM Disease Models and Mechanisms, 2013, 6, 1101-12.	1.2	83
72	Estrogen Signaling through the G Proteinâ€“Coupled Estrogen Receptor Regulates Granulocyte Activation in Fish. Journal of Immunology, 2013, 191, 4628-4639.	0.4	59

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73	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
74	Response to Boyle etÂal.. Immunity, 2013, 38, 400-401.	6.6	1
75	Microbiology and immunology of fish larvae. Reviews in Aquaculture, 2013, 5, S1.	4.6	122
76	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
77	Cxcl8 (IL-8) Mediates Neutrophil Recruitment and Behavior in the Zebrafish Inflammatory Response. Journal of Immunology, 2013, 190, 4349-4359.	0.4	294
78	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
79	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
80	Cell Volume Regulation Modulates NLRP3 Inflammasome Activation. Immunity, 2012, 37, 487-500.	6.6	326
81	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
82	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
83	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
84	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
85	17Î²-Estradiol regulates gilthead seabream professional phagocyte responses through macrophage activation. Developmental and Comparative Immunology, 2011, 35, 19-27.	1.0	57
86	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
87	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
88	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
89	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
90	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

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91	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
92	Detection of antimicrobial peptides related to piscidin 4 in important aquacultured fish. Developmental and Comparative Immunology, 2010, 34, 331-343.	1.0	63
93	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
94	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
95	Evolution of Lipopolysaccharide (LPS) Recognition and Signaling: Fish TLR4 Does Not Recognize LPS and Negatively Regulates NF-ÎºB Activation. Journal of Immunology, 2009, 182, 1836-1845.	0.4	403
96	Collagen regulates the activation of professional phagocytes of the teleost fish gilthead seabream. Molecular Immunology, 2009, 46, 1409-1415.	1.0	27
97	Application of the dual-luciferase reporter assay to the analysis of promoter activity in Zebrafish embryos. BMC Biotechnology, 2008, 8, 81.	1.7	51
98	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
99	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
100	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
101	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
102	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
103	17Beta-Estradiol Triggers Postspawning in Spermatogenically Active Gilthead Seabream (Sparus aurata) Tj ETQq1 1 0.784314 rgBT /O	1.2	71
104	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
105	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
106	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
107	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
108	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

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	Nonspecific cell-mediated cytotoxicity in the seawater teleosts (Sparus aurata andDicentrarchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1		29
125	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