

# Lluís Tort

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4266661/publications.pdf>

Version: 2024-02-01

187  
papers

10,326  
citations

34016

52  
h-index

39575

94  
g-index

195  
all docs

195  
docs citations

195  
times ranked

6809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress and immune modulation in fish. <i>Developmental and Comparative Immunology</i> , 2011, 35, 1366-1375.	1.0	685
2	B lymphocytes from early vertebrates have potent phagocytic and microbicidal abilities. <i>Nature Immunology</i> , 2006, 7, 1116-1124.	7.0	457
3	Natural hemolytic and bactericidal activities of sea bream <i>Sparus aurata</i> serum are effected by the alternative complement pathway. <i>Veterinary Immunology and Immunopathology</i> , 1995, 45, 333-345.	0.5	401
4	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 1999, 20, 53-60.	0.9	375
5	Immune stimulation and improved infection resistance in European sea bass ( <i>Dicentrarchus labrax</i> ) fed mannan oligosaccharides. <i>Fish and Shellfish Immunology</i> , 2007, 23, 969-981.	1.6	287
6	Effects of nanoplastics on <i>Mytilus galloprovincialis</i> after individual and combined exposure with carbamazepine. <i>Science of the Total Environment</i> , 2018, 643, 775-784.	3.9	280
7	Vegetable lipid sources for gilthead seabream ( <i>Sparus aurata</i> ): effects on fish health. <i>Aquaculture</i> , 2003, 225, 353-370.	1.7	265
8	Cortisol and finfish welfare. <i>Fish Physiology and Biochemistry</i> , 2012, 38, 163-188.	0.9	257
9	The Concept of Stress in Fish. <i>Fish Physiology</i> , 2016, 35, 1-34.	0.2	216
10	Physiological responses in Eurasian perch ( <i>Perca fluviatilis</i> , L.) subjected to stress by transport and handling. <i>Aquaculture</i> , 2004, 237, 167-178.	1.7	170
11	Replacement of dietary fish oil by vegetable oils affects humoral immunity and expression of pro-inflammatory cytokines genes in gilthead sea bream <i>Sparus aurata</i> . <i>Fish and Shellfish Immunology</i> , 2010, 29, 1073-1081.	1.6	170
12	Cortisol and glucose responses after acute stress by net handling in the sparid red porgy previously subjected to crowding stress. <i>Journal of Fish Biology</i> , 1997, 51, 21-28.	0.7	167
13	Pituitary and Interrenal Function in Gilthead Sea Bream ( <i>Sparus aurata</i> L., Teleostei) after Handling and Confinement Stress. <i>General and Comparative Endocrinology</i> , 2001, 121, 333-342.	0.8	167
14	Mucosal Immunity and B Cells in Teleosts: Effect of Vaccination and Stress. <i>Frontiers in Immunology</i> , 2015, 6, 354.	2.2	143
15	Total substitution of fish oil by vegetable oils in gilthead sea bream ( <i>Sparus aurata</i> ) diets: Effects on hepatic Mx expression and some immune parameters. <i>Fish and Shellfish Immunology</i> , 2008, 24, 147-155.	1.6	140
16	Effect of vitamin E and C dietary supplementation on some immune parameters of gilthead seabream ( <i>Sparus aurata</i> ) juveniles subjected to crowding stress. <i>Aquaculture</i> , 1999, 171, 269-278.	1.7	137
17	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 1998, 18, 399-407.	0.9	135
18	Transcriptional analysis of LPS-stimulated activation of trout ( <i>Oncorhynchus mykiss</i> ) monocyte/macrophage cells in primary culture treated with cortisol. <i>Molecular Immunology</i> , 2006, 43, 1340-1348.	1.0	135

#	ARTICLE	IF	CITATIONS
19	Effects of polymethylmethacrylate nanoplastics on <i>Dicentrarchus labrax</i> . <i>Genomics</i> , 2018, 110, 435-441.	1.3	129
20	Crowding stress induces changes in serum haemolytic and agglutinating activity in the gilthead sea bream <i>Sparus aurata</i> . <i>Veterinary Immunology and Immunopathology</i> , 1996, 51, 179-188.	0.5	125
21	Background colour influence on the stress response in cultured red porgy <i>Pagrus pagrus</i> . <i>Aquaculture</i> , 2003, 223, 129-139.	1.7	125
22	Netting the Stress Responses in Fish. <i>Frontiers in Endocrinology</i> , 2019, 10, 62.	1.5	123
23	Low-temperature challenges to gilthead sea bream culture: review of cold-induced alterations and "Winter Syndrome". <i>Reviews in Fish Biology and Fisheries</i> , 2010, 20, 539-556.	2.4	116
24	Effects of chronic confinement on physiological responses of juvenile gilthead sea bream, <i>Sparus aurata</i> L., to acute handling. <i>Aquaculture Research</i> , 2005, 36, 172-179.	0.9	113
25	Low vitamin E in diet reduces stress resistance of gilthead seabream ( <i>Sparus aurata</i> ) juveniles. <i>Fish and Shellfish Immunology</i> , 2001, 11, 473-490.	1.6	112
26	Serum haemolytic and agglutinating activity as indicators of fish immunocompetence: their suitability in stress and dietary studies. <i>Aquaculture International</i> , 1996, 4, 31.	1.1	103
27	Non-specific immune responses in the red porgy <i>Pagrus pagrus</i> after crowding stress. <i>Aquaculture</i> , 1997, 156, 279-290.	1.7	102
28	Stress-related hormones modulate cytokine expression in the head kidney of gilthead seabream ( <i>Sparus aurata</i> ). <i>Fish and Shellfish Immunology</i> , 2009, 27, 493-499.	1.6	100
29	Pituitary Proopiomelanocortin-Derived Peptides and Hypothalamic Pituitary Interrenal Axis Activity in Gilthead Sea Bream ( <i>Sparus aurata</i> ) during Prolonged Crowding Stress: Differential Regulation of Adrenocorticotropin Hormone and $\pm$ -Melanocyte-Stimulating Hormone Release by Corticotropin-Releasing Hormone and Thyrotropin-Releasing Hormone. <i>General and Comparative Endocrinology</i> , 2000, 119, 152-163.	0.8	97
30	Diversity of the third form of complement, C3, in fish: functional characterization of five forms of C3 in the diploid fish <i>Sparus aurata</i> . <i>Biochemical Journal</i> , 1997, 326, 877-881.	1.7	95
31	Effect of nanoplastics on fish health and performance: A review. <i>Marine Pollution Bulletin</i> , 2020, 151, 110791.	2.3	94
32	Analysis of genes isolated from lipopolysaccharide-stimulated rainbow trout ( <i>Oncorhynchus mykiss</i> ) macrophages. <i>Molecular Immunology</i> , 2004, 41, 1199-1210.	1.0	92
33	Cortisol and haematological response in sea bream and trout subjected to the anaesthetics clove oil and 2-phenoxyethanol. <i>Aquaculture Research</i> , 2002, 33, 907-910.	0.9	91
34	Winter syndrome in the gilthead sea bream <i>Sparus aurata</i> . Immunological and histopathological features. <i>Fish and Shellfish Immunology</i> , 1998, 8, 37-47.	1.6	88
35	Changes in complement responses in Gilthead seabream ( <i>Sparus aurata</i> ) and European seabass ( <i>Dicentrarchus labrax</i> ) under crowding stress, plus viral and bacterial challenges. <i>Fish and Shellfish Immunology</i> , 2011, 30, 182-188.	1.6	75
36	Physiological responses and depression of humoral components of the immune system in gilthead sea bream ( <i>Sparus aurata</i> ) following daily acute stress. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1995, 52, 2339-2346.	0.7	74

#	ARTICLE	IF	CITATIONS
37	Effects of temperature decrease on feeding rates, immune indicators and histopathological changes of gilthead sea bream <i>Sparus aurata</i> fed with an experimental diet. <i>Aquaculture</i> , 2004, 229, 55-65.	1.7	74
38	Dietary $\beta$ -glucans differentially modulate immune and stress-related gene expression in lymphoid organs from healthy and <i>Aeromonas hydrophila</i> -infected rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2017, 63, 285-296.	1.6	74
39	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 2001, 24, 63-72.	0.9	73
40	Cholinergic and Adrenergic Tones in the Control of Heart Rate in Teleosts. How Should They be Calculated?. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 131-139.	0.7	72
41	Differential immune gene expression profiles in susceptible and resistant full-sibling families of Atlantic salmon ( <i>Salmo salar</i> ) challenged with infectious pancreatic necrosis virus (IPNV). <i>Developmental and Comparative Immunology</i> , 2015, 53, 210-221.	1.0	72
42	Gene expression and TNF-alpha secretion profile in rainbow trout macrophages following exposures to copper and bacterial lipopolysaccharide. <i>Fish and Shellfish Immunology</i> , 2011, 30, 340-346.	1.6	68
43	Immunological suppression in gilthead sea bream <i>Sparus aurata</i> of the North-West Mediterranean at low temperatures. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 1998, 120, 175-179.	0.8	66
44	The effects of sublethal concentrations of cadmium on haematological parameters in the dogfish, <i>Scyliorhinus canicula</i> . <i>Journal of Fish Biology</i> , 1988, 32, 277-282.	0.7	65
45	Stress and Disease Resistance: Immune System and Immunoendocrine Interactions. <i>Fish Physiology</i> , 2016, 35, 365-403.	0.2	65
46	Modulation of ACTH-induced cortisol release by polyunsaturated fatty acids in interrenal cells from gilthead seabream, <i>Sparus aurata</i> . <i>Journal of Endocrinology</i> , 2006, 190, 39-45.	1.2	62
47	Glomerulonephritis and immunosuppression associated with dietary essential fatty acid deficiency in gilthead sea bream, <i>Sparus aurata</i> L., juveniles. <i>Journal of Fish Diseases</i> , 2004, 27, 297-306.	0.9	61
48	Comparative assessment of cortisol in plasma, skin mucus and scales as a measure of the hypothalamic-pituitary-interrenal axis activity in fish. <i>Aquaculture</i> , 2019, 506, 410-416.	1.7	61
49	Primary and secondary stress responses to grading and hauling in rainbow trout, <i>Salmo gairdneri</i> . <i>Aquaculture</i> , 1988, 71, 99-106.	1.7	60
50	Consistency of stress response to repeated handling in the gilthead sea bream <i>Sparus aurata</i> Linnaeus, 1758. <i>Aquaculture Research</i> , 2001, 32, 593-598.	0.9	60
51	Cloning of the glucocorticoid receptor (GR) in gilthead seabream ( <i>Sparus aurata</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007, 148, 32-43.	0.7	59
52	Response to confinement in sea bass ( <i>Dicentrarchus labrax</i> ) is characterised by an increased biosynthetic capacity of interrenal tissue with no effect on ACTH sensitivity. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2003, 136, 613-620.	0.8	58
53	Comparison of methods for anaesthetizing Senegal sole ( <i>Solea senegalensis</i> ) before slaughter: Stress responses and final product quality. <i>Aquaculture</i> , 2007, 269, 250-258.	1.7	56
54	Dietary nitrogen and fish welfare. <i>Fish Physiology and Biochemistry</i> , 2012, 38, 119-141.	0.9	56

#	ARTICLE	IF	CITATIONS
55	Comparative Immune- and Stress-Related Transcript Response Induced by Air Exposure and <i>Vibrio anguillarum</i> Bacterin in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) and Gilthead Seabream ( <i>Sparus aurata</i> ) Mucosal Surfaces. <i>Frontiers in Immunology</i> , 2018, 9, 856.	2.2	55
56	Effects of dorsal aortic cannulation on the respiration and haematology of mediterranean living <i>Scyliorhinus canicula</i> L.. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1985, 81, 879-883.	0.7	53
57	Comparison of two stunning/slaughtering methods on stress response and quality indicators of European sea bass ( <i>Dicentrarchus labrax</i> ). <i>Aquaculture</i> , 2009, 287, 139-144.	1.7	53
58	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 2000, 23, 13-22.	0.9	49
59	European Sea Bass ( <i>Dicentrarchus labrax</i> ) Immune Status and Disease Resistance Are Impaired by Arginine Dietary Supplementation. <i>PLoS ONE</i> , 2015, 10, e0139967.	1.1	47
60	Stress-induced regulation of steroidogenic acute regulatory protein expression in head kidney of Gilthead seabream ( <i>Sparus aurata</i> ). <i>Journal of Endocrinology</i> , 2008, 196, 313-322.	1.2	45
61	The expression of TRPV channels, prostaglandin E2 and pro-inflammatory cytokines during behavioural fever in fish. <i>Brain, Behavior, and Immunity</i> , 2018, 71, 169-181.	2.0	45
62	Physiological, ionoregulatory, metabolic and immune responses of Persian sturgeon, <i>Acipenser persicus</i> (Borodin, 1897) to stress. <i>Aquaculture Research</i> , 2016, 47, 3729-3739.	0.9	44
63	Assessment of gold nanoparticle effects in a marine teleost ( <i>Sparus aurata</i> ) using molecular and biochemical biomarkers. <i>Aquatic Toxicology</i> , 2016, 177, 125-135.	1.9	44
64	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 1999, 20, 43-51.	0.9	43
65	Bacterial lipopolysaccharide induces apoptosis in the trout ovary. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 46.	1.4	43
66	Control of adipose tissue lipid metabolism by tumor necrosis factor- $\alpha$ in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Endocrinology</i> , 2005, 184, 527-534.	1.2	42
67	Establishment of dominance relationships in gilthead sea bream <i>Sparus aurata</i> juveniles during feeding: effects on feeding behaviour, feed utilization and fish health. <i>Journal of Fish Biology</i> , 2009, 74, 790-805.	0.7	42
68	Effects of different levels of plant proteins on the on-growing of meagre ( <i>Argyrosomus regius</i> ) juveniles at low temperatures. <i>Aquaculture Nutrition</i> , 2011, 17, e572-e582.	1.1	41
69	Characterization of a C3a Receptor in Rainbow Trout and <i>Xenopus</i> : The First Identification of C3a Receptors in Nonmammalian Species. <i>Journal of Immunology</i> , 2005, 175, 2427-2437.	0.4	40
70	Comparative study of stress and immune-related transcript outcomes triggered by <i>Vibrio anguillarum</i> bacterin and air exposure stress in liver and spleen of gilthead seabream ( <i>Sparus aurata</i> ), zebrafish ( <i>Danio rerio</i> ) and rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2019, 86, 436-448.	1.6	40
71	Characterization of a highly inducible novel CC chemokine from differentiated rainbow trout ( <i>Oncorhynchus mykiss</i> ) macrophages. <i>Immunogenetics</i> , 2004, 56, 611-615.	1.2	38
72	Neuroendocrine and Immune Responses Undertake Different Fates following Tryptophan or Methionine Dietary Treatment: Tales from a Teleost Model. <i>Frontiers in Immunology</i> , 2017, 8, 1226.	2.2	38

#	ARTICLE	IF	CITATIONS
73	Annual variation of complement, lysozyme and haemagglutinin levels in serum of the gilthead sea bream <i>Sparus aurata</i> . <i>Fish and Shellfish Immunology</i> , 2003, 15, 479-481.	1.6	37
74	Persistent organic pollutants (POPs) in sediments from fishing grounds in the NW Mediterranean: Ecotoxicological implications for the benthic fish <i>Solea</i> sp.. <i>Marine Pollution Bulletin</i> , 2013, 67, 158-165.	2.3	37
75	Modulation of Innate Immune-Related Genes and Glucocorticoid Synthesis in Gnotobiotic Full-Sibling European Sea Bass ( <i>Dicentrarchus labrax</i> ) Larvae Challenged With <i>Vibrio anguillarum</i> . <i>Frontiers in Immunology</i> , 2018, 9, 914.	2.2	37
76	The growth promoting and immunomodulatory effects of a medicinal plant leaf extract obtained from <i>Salvia officinalis</i> and <i>Lippia citriodora</i> in gilthead seabream ( <i>Sparus aurata</i> ). <i>Aquaculture</i> , 2020, 524, 735291.	1.7	36
77	Dietary and culture influences on macrophage aggregate parameters in gilthead seabream ( <i>Sparus</i> ) Tj ETQq1 1 0.784314 rgBT/Overlo	1.7	35
78	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 2000, 23, 265-273.	0.9	35
79	L-type Ca <sup>2+</sup> current and excitation-contraction coupling in single atrial myocytes from rainbow trout. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R2061-R2069.	0.9	34
80	Effects of Chronic Cortisol Administration on Global Expression of GR and the Liver Transcriptome in <i>Sparus aurata</i> . <i>Marine Biotechnology</i> , 2013, 15, 104-114.	1.1	34
81	Differential expression of the corticosteroid receptors GR1, GR2 and MR in rainbow trout organs with slow release cortisol implants. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 164, 506-511.	0.8	33
82	Effects of Cortisol Administered through Slow-Release Implants on Innate Immune Responses in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ). <i>International Journal of Genomics</i> , 2013, 2013, 1-7.	0.8	33
83	Polystyrene nanoplastics accumulate in ZFL cell lysosomes and in zebrafish larvae after acute exposure, inducing a synergistic immune response <i>in vitro</i> without affecting larval survival <i>in vivo</i> . <i>Environmental Science: Nano</i> , 2020, 7, 2410-2422.	2.2	33
84	CD83 expression in sea bream macrophages is a marker for the LPS-induced inflammatory response. <i>Fish and Shellfish Immunology</i> , 2007, 23, 877-885.	1.6	32
85	Effects of daily management stress on haematology and blood rheology of the gilthead seabream. <i>Journal of Fish Biology</i> , 1995, 46, 775-786.	0.7	31
86	Modulation of membrane potential by an acetylcholine-activated potassium current in trout atrial myocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R388-R395.	0.9	31
87	Modulatory <i>in vitro</i> effect of stress hormones on the cytokine response of rainbow trout and gilthead sea bream head kidney stimulated with <i>Vibrio anguillarum</i> bacterin. <i>Fish and Shellfish Immunology</i> , 2017, 70, 736-749.	1.6	31
88	Stress response in sea bream ( <i>Sparus aurata</i> ) held under crowded conditions and fed diets containing linseed and/or soybean oil. <i>Aquaculture</i> , 2011, 311, 215-223.	1.7	30
89	Adrenocorticotrophic hormone-stimulated cortisol release by the head kidney inter-renal tissue from sea bream ( <i>Sparus aurata</i> ) fed with linseed oil and soyabean oil. <i>British Journal of Nutrition</i> , 2011, 105, 238-247.	1.2	29
90	Adaptation to host in <i>Vibrio vulnificus</i> , a zoonotic pathogen that causes septicemia in fish and humans. <i>Environmental Microbiology</i> , 2019, 21, 3118-3139.	1.8	29

#	ARTICLE	IF	CITATIONS
91	Quantification of Ca <sup>2+</sup> uptake in the sarcoplasmic reticulum of trout ventricular myocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R2070-R2080.	0.9	28
92	Na <sup>+</sup> /Ca <sup>2+</sup> -exchange activity regulates contraction and SR Ca <sup>2+</sup> content in rainbow trout atrial myocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R1856-R1864.	0.9	28
93	The Effects of Immunostimulation Through Dietary Manipulation in the Rainbow Trout; Evaluation of Mucosal Immunity. <i>Marine Biotechnology</i> , 2010, 12, 88-99.	1.1	28
94	Analysis of the Long-Lived Responses Induced by Immunostimulants and Their Effects on a Viral Infection in Zebrafish ( <i>Danio rerio</i> ). <i>Frontiers in Immunology</i> , 2018, 9, 1575.	2.2	28
95	Transport and Recovery of Gilthead Sea Bream ( <i>Sparus aurata</i> L.) Sedated With Clove Oil and MS222: Effects on Oxidative Stress Status. <i>Frontiers in Physiology</i> , 2019, 10, 523.	1.3	28
96	Single-Nucleotide Polymorphisms (SNP) Mining and Their Effect on the Tridimensional Protein Structure Prediction in a Set of Immunity-Related Expressed Sequence Tags (EST) in Atlantic Salmon ( <i>Salmo salar</i> ). <i>Frontiers in Genetics</i> , 2019, 10, 1406.	1.1	28
97	Triggering of sarcoplasmic reticulum Ca <sup>2+</sup> release and contraction by reverse mode Na <sup>+</sup> /Ca <sup>2+</sup> -exchange in trout atrial myocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R1330-R1339.	0.9	27
98	A differentially expressed enolase gene isolated from the gilthead sea bream ( <i>Sparus aurata</i> ) under high-density conditions is up-regulated in brain after in vivo lipopolysaccharide challenge. <i>Aquaculture</i> , 2004, 241, 195-206.	1.7	27
99	Molecular cloning and characterization of European seabass ( <i>Dicentrarchus labrax</i> ) and Gilthead seabream ( <i>Sparus aurata</i> ) complement component C3. <i>Fish and Shellfish Immunology</i> , 2011, 30, 1310-1322.	1.6	27
100	Environmentally-realistic concentration of cadmium combined with polyunsaturated fatty acids enriched diets modulated non-specific immunity in rainbow trout. <i>Aquatic Toxicology</i> , 2018, 196, 104-116.	1.9	27
101	Unveiling the effect of dietary essential oils supplementation in <i>Sparus aurata</i> gills and its efficiency against the infestation by <i>Sparicotyle chrysofhrui</i> . <i>Scientific Reports</i> , 2020, 10, 17764.	1.6	27
102	Characterization of the relationship between Na <sup>+</sup> -Ca <sup>2+</sup> exchange rate and cytosolic calcium in trout cardiac myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2001, 441, 701-708.	1.3	26
103	Effects of thermal stress on the expression of glucocorticoid receptor complex linked genes in Senegalese sole ( <i>Solea senegalensis</i> ): Acute and adaptive stress responses. <i>General and Comparative Endocrinology</i> , 2017, 252, 173-185.	0.8	25
104	The effect of cadmium exposure and stress on plasma cortisol, metallothionein levels and oxidative status in rainbow trout ( <i>Oncorhynchus mykiss</i> ) liver. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1996, 114, 29-34.	0.5	24
105	Cytokine modulation by stress hormones and antagonist specific hormonal inhibition in rainbow trout ( <i>Oncorhynchus mykiss</i> ) and gilthead sea bream ( <i>Sparus aurata</i> ) head kidney primary cell culture. <i>General and Comparative Endocrinology</i> , 2017, 250, 122-135.	0.8	24
106	<i>Pichia pastoris</i> yeast as a vehicle for oral vaccination of larval and adult teleosts. <i>Fish and Shellfish Immunology</i> , 2019, 85, 52-60.	1.6	24
107	Carvacrol, Thymol, and Garlic Essential Oil Promote Skin Innate Immunity in Gilthead Seabream ( <i>Sparus aurata</i> ) Through the Multifactorial Modulation of the Secretory Pathway and Enhancement of Mucus Protective Capacity. <i>Frontiers in Immunology</i> , 2021, 12, 633621.	2.2	24
108	Diet, Immunity, and Microbiota Interactions: An Integrative Analysis of the Intestine Transcriptional Response and Microbiota Modulation in Gilthead Seabream ( <i>Sparus aurata</i> ) Fed an Essential Oils-Based Functional Diet. <i>Frontiers in Immunology</i> , 2021, 12, 625297.	2.2	24

#	ARTICLE	IF	CITATIONS
109	Cellular and transcriptomic response to treatment with the probiotic candidate <i>Vibrio lentus</i> in gnotobiotic sea bass ( <i>Dicentrarchus labrax</i> ) larvae. <i>Fish and Shellfish Immunology</i> , 2017, 63, 147-156.	1.6	23
110	Immunomodulatory effects of <i>Rhodomyrtus tomentosa</i> leaf extract and its derivative compound, rhodomyrtone, on head kidney macrophages of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish Physiology and Biochemistry</i> , 2018, 44, 543-555.	0.9	23
111	Effects of acute handling stress on short-term central expression of orexigenic/anorexigenic genes in zebrafish. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 257-272.	0.9	23
112	Evaluation of gemfibrozil effects on a marine fish ( <i>Sparus aurata</i> ) combining gene expression with conventional endocrine and biochemical endpoints. <i>Journal of Hazardous Materials</i> , 2016, 318, 600-607.	6.5	22
113	Physiological and immune response of juvenile rainbow trout to dietary bovine lactoferrin. <i>Fish and Shellfish Immunology</i> , 2017, 71, 359-371.	1.6	22
114	Detection, Properties, and Frequency of Local Calcium Release from the Sarcoplasmic Reticulum in Teleost Cardiomyocytes. <i>PLoS ONE</i> , 2011, 6, e23708.	1.1	22
115	Effects on dogfish haematology and liver composition after acute copper exposure. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1987, 87, 349-353.	0.2	21
116	Changes in in vitro heart performance in rainbow trout, <i>Salmo gairdneri</i> Richardson, infected with <i>Apatemon gracilis</i> (Digenea). <i>Journal of Fish Biology</i> , 1987, 30, 341-347.	0.7	21
117	Effects of new plant based anesthetics <i>Origanum</i> sp. and <i>Eucalyptus</i> sp. oils on stress and welfare parameters in <i>Dicentrarchus labrax</i> and their comparison with clove oil. <i>Aquaculture</i> , 2018, 495, 402-408.	1.7	21
118	Experimental methodology in aquaculture: modification of the feeding rate of the gilthead sea bream <i>Sparus aurata</i> at a self-feeder after weighing. <i>Aquaculture</i> , 1994, 119, 191-200.	1.7	20
119	Effects of zinc sulphate on haematological parameters in the dogfish <i>Scyliorhinus canicula</i> and influences of MS222. <i>Marine Environmental Research</i> , 1987, 21, 289-298.	1.1	19
120	Short-term cadmium effects on gill tissue metabolism. <i>Marine Pollution Bulletin</i> , 1984, 15, 448-450.	2.3	18
121	Wireless monitoring of the pH, NH <sub>4</sub> <sup>+</sup> and temperature in a fish farm. <i>Procedia Chemistry</i> , 2009, 1, 445-448.	0.7	18
122	Lipopolysaccharides isolated from <i>Aeromonas salmonicida</i> and <i>Vibrio anguillarum</i> show quantitative but not qualitative differences in inflammatory outcome in <i>Sparus aurata</i> (Gilthead seabream). <i>Fish and Shellfish Immunology</i> , 2014, 39, 475-482.	1.6	18
123	Zebrafish liver (ZFL) cells are able to mount an anti-viral response after stimulation with Poly (I:C). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 182, 55-63.	0.7	18
124	Can non-invasive methods be used to assess effects of nanoparticles in fish?. <i>Ecological Indicators</i> , 2018, 95, 1118-1127.	2.6	18
125	Characterization and expression of the transcription factor PU.1 during LPS-induced inflammation in the rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2008, 24, 35-45.	1.6	17
126	Effect of conjugated linoleic acid on dietary lipids utilization, liver morphology and selected immune parameters in sea bass juveniles ( <i>Dicentrarchus labrax</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 154, 179-187.	0.7	17



#	ARTICLE	IF	CITATIONS
127	Modulation of adrenocorticotrophin hormone (ACTH)-induced expression of stress-related genes by PUFA in inter-renal cells from European sea bass ( <i>Dicentrarchus labrax</i> ). <i>Journal of Nutritional Science</i> , 2015, 4, e16.	0.7	17
128	Skin Multi-Omics-Based Interactome Analysis: Integrating the Tissue and Mucus Exuded Layer for a Comprehensive Understanding of the Teleost Mucosa Functionality as Model of Study. <i>Frontiers in Immunology</i> , 2020, 11, 613824.	2.2	17
129	Chemiluminescent assay as an alternative to radioimmunoassay for the measurement of cortisol in plasma and skin mucus of <i>Oncorhynchus mykiss</i> . <i>Ecological Indicators</i> , 2019, 98, 634-640.	2.6	16
130	GAS1: A New $\beta$ -Glucan Immunostimulant Candidate to Increase Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Resistance to Bacterial Infections With <i>Aeromonas salmonicida</i> achromogenes. <i>Frontiers in Immunology</i> , 2021, 12, 693613.	2.2	16
131	The Complement System of the Teleost Fish <i>Sparus aurata</i> . <i>Annals of the New York Academy of Sciences</i> , 1994, 712, 371-373.	1.8	15
132	Physiological and metabolic changes of sea bream <i>Sparus aurata</i> to short-term acclimation at low salinity. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1994, 108, 75-80.	0.7	15
133	Cd-, Zn-, Cu-binding protein in the elasmobranch <i>Scyliorhinus canicula</i> . <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1985, 81, 159-165.	0.2	14
134	On the blood volume of the Mediterranean dogfish, <i>Scyliorhinus canicula</i> . <i>Fish Physiology and Biochemistry</i> , 1991, 9, 173-177.	0.9	14
135	The function of the sarcoplasmic reticulum is not inhibited by low temperatures in trout atrial myocytes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R1902-R1906.	0.9	14
136	Quantification of calcium release from the sarcoplasmic reticulum in rainbow trout atrial myocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 1999, 438, 545-552.	1.3	13
137	The LPS derived from the cell walls of the Gram-negative bacteria <i>Pantoea agglomerans</i> stimulates growth and immune status of rainbow trout ( <i>Oncorhynchus mykiss</i> ) juveniles. <i>Aquaculture</i> , 2013, 416-417, 272-279.	1.7	13
138	Medicinal Plant Leaf Extract From Sage and Lemon Verbena Promotes Intestinal Immunity and Barrier Function in Gilthead Seabream ( <i>Sparus aurata</i> ). <i>Frontiers in Immunology</i> , 2021, 12, 670279.	2.2	13
139	Effects of confinement stress and additional zinc treatment on some blood parameters in the dogfish <i>Scyliorhinus canicula</i> . <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1986, 83, 89-92.	0.2	12
140	Immune-related gene expression and physiological responses in rainbow trout ( <i>Oncorhynchus mykiss</i> ) after intraperitoneal administration of <i>Rhodomyrtus tomentosa</i> leaf extract: A potent phytoimmunostimulant. <i>Fish and Shellfish Immunology</i> , 2018, 77, 429-437.	1.6	12
141	Toxicogenomics of Gold Nanoparticles in a Marine Fish: Linkage to Classical Biomarkers. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	12
142	RNA-Seq analysis of European sea bass ( <i>Dicentrarchus labrax</i> L.) infected with nodavirus reveals powerful modulation of the stress response. <i>Veterinary Research</i> , 2020, 51, 64.	1.1	12
143	Acute toxicity of copper to mediterranean dogfish. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1987, 86, 169-171.	0.2	11
144	Physiological responses of the gilthead sea bream <i>Sparus aurata</i> to hypoosmotic shock. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1994, 108, 81-85.	0.7	11

#	ARTICLE	IF	CITATIONS
145	Effect of $\beta^2$ -adrenergic stimulation on the relationship between membrane potential, intracellular $[Ca^{2+}]$ and sarcoplasmic reticulum $Ca^{2+}$ uptake in rainbow trout atrial myocytes. <i>Journal of Experimental Biology</i> , 2004, 207, 1369-1377.	0.8	11
146	Analysis of steroidogenic pathway key transcripts in interrenal cells isolated by laser microdissection (LMD) in stressed rainbow trout. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2015, 190, 39-46.	0.8	11
147	Brain and Pituitary Response to Vaccination in Gilthead Seabream ( <i>Sparus aurata</i> L.). <i>Frontiers in Physiology</i> , 2019, 10, 717.	1.3	11
148	Functional evidence for the inflammatory reflex in teleosts: A novel $\alpha 7$ nicotinic acetylcholine receptor modulates the macrophage response to dsRNA. <i>Developmental and Comparative Immunology</i> , 2018, 84, 279-291.	1.0	9
149	Modulation of immune genes mRNA levels in mucosal tissues and DNA damage in red blood cells of <i>Sparus aurata</i> by gold nanoparticles. <i>Marine Pollution Bulletin</i> , 2018, 133, 428-435.	2.3	9
150	Oxygen consumption of the dogfish gill tissue following zinc treatment. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1982, 72, 145-148.	0.2	8
151	Circadian heart rate changes and light-dependence in the Mediterranean seabream <i>Sparus aurata</i> . <i>Fish Physiology and Biochemistry</i> , 2000, 22, 89-94.	0.9	8
152	Mortality and non-specific immune response of Eurasian perch, <i>Perca fluviatilis</i> , during the spawning season. <i>Fish Physiology and Biochemistry</i> , 2003, 28, 523-524.	0.9	8
153	Physiological response of hybrid striped bass subjected to <i>Photobacterium damsela</i> subsp. <i>piscicida</i> . <i>Aquaculture</i> , 2009, 298, 16-23.	1.7	8
154	Porcine Protein Hydrolysates (PEPTEIVA <sup>®</sup> ) Promote Growth and Enhance Systemic Immunity in Gilthead Sea Bream ( <i>Sparus aurata</i> ). <i>Animals</i> , 2021, 11, 2122.	1.0	8
155	A Bioactive Extract Rich in Triterpenic Acid and Polyphenols from <i>Olea europaea</i> Promotes Systemic Immunity and Protects Atlantic Salmon Smolts Against Furunculosis. <i>Frontiers in Immunology</i> , 2021, 12, 737601.	2.2	8
156	Skin Mucus as a Relevant Low-Invasive Biological Matrix for the Measurement of an Acute Stress Response in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ). <i>Water (Switzerland)</i> , 2022, 14, 1754.	1.2	8
157	Cardio-respiratory responses of rainbow trout during recovery from zinc treatment. <i>Environmental Pollution Series A, Ecological and Biological</i> , 1985, 37, 255-266.	0.8	7
158	Gold nanoparticles exposure modulates antioxidant and innate immune gene expression in the gills of <i>Sparus aurata</i> . <i>Genomics</i> , 2018, 110, 430-434.	1.3	7
159	<i>Salmo salar</i> glucocorticoid receptors analyses of alternative splicing variants under stress conditions. <i>General and Comparative Endocrinology</i> , 2020, 293, 113466.	0.8	7
160	Effects of Fouling Management and Net Coating Strategies on Reared Gilthead Sea Bream Juveniles. <i>Animals</i> , 2021, 11, 734.	1.0	7
161	Differences in interrenal tissue, biosynthetic capacity and ACTH sensitivity in progeny of sea bream from parents selected for high or low cortisol response. <i>Journal of Fish Biology</i> , 2003, 62, 744-748.	0.7	6
162	Divergent personalities influence the myogenic regulatory genes myostatin, myogenin and <i>ghr2</i> transcript responses to <i>Vibrio anguillarum</i> vaccination in fish fingerlings ( <i>Sparus aurata</i> ). <i>Physiology and Behavior</i> , 2019, 212, 112697.	1.0	6

#	ARTICLE	IF	CITATIONS
163	Î²-glucan mimics tissue damage signaling and generates a trade-off between head kidney and spleen to activate acquired immunity in vaccinated tilapia ( <i>Oreochromis niloticus</i> ). <i>Fish and Shellfish Immunology</i> , 2021, 117, 179-187.	1.6	6
164	Extending Immunological Profiling in the Gilthead Sea Bream, <i>Sparus aurata</i> , by Enriched cDNA Library Analysis, Microarray Design and Initial Studies upon the Inflammatory Response to PAMPs. <i>International Journal of Molecular Sciences</i> , 2017, 18, 317.	1.8	5
165	Tools to assess effects of human pharmaceuticals in fish: A case study with gemfibrozil. <i>Ecological Indicators</i> , 2018, 95, 1100-1107.	2.6	5
166	Seasonal steroid variations in relation to maturity stages in the female Pacific red snapper <i>Lutjanus peru</i> in the Gulf of California, Mexico. <i>Aquatic Living Resources</i> , 2018, 31, 34.	0.5	5
167	Thermal Modulation of Monoamine Levels Influence Fish Stress and Welfare. <i>Frontiers in Endocrinology</i> , 2018, 9, 717.	1.5	5
168	The use of biochemical, sensorial and chromaticity attributes as indicators of postmortem changes in commercial-size, cultured red porgy <i>Pagrus pagrus</i> , stored on ice. <i>Aquaculture Research</i> , 2011, 42, 341-350.	0.9	4
169	Fish pituitary show an active immune response after in vitro stimulation with <i>Vibrio</i> bacterin. <i>General and Comparative Endocrinology</i> , 2019, 275, 65-72.	0.8	4
170	Editorial: Comparative Endocrine Stress Responses in Vertebrates. <i>Frontiers in Endocrinology</i> , 2019, 10, 652.	1.5	4
171	Spray-Dried Porcine Plasma Promotes the Association Between Metabolic and Immunological Processes at Transcriptional Level in Gilthead Sea Bream ( <i>Sparus aurata</i> ) Gut. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	4
172	The effects of the heavy metals cadmium and zinc on the contraction of ventricular fibres in fish. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1991, 99, 353-356.	0.2	3
173	About Welfare and Stress in the Early Stages of Fish. <i>Frontiers in Veterinary Science</i> , 2021, 8, 634434.	0.9	3
174	Phytogenics From Sage and Lemon Verbena Promote Growth, Systemic Immunity and Disease Resistance in Atlantic Salmon ( <i>Salmo salar</i> ). <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	3
175	The Direct Exposure of Cortisol Does Not Modulate the Expression of Immune-Related Genes on Tissue Explants of Mucosal Surfaces in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Nor in Gilthead Sea Bream ( <i>Sparus aurata</i> ). <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	3
176	Metabolic effects after short-term sublethal cadmium exposure to dogfish ( <i>Scyliorhinus canicula</i> ). <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1989, 94, 261-264.	0.2	2
177	Fish individuality, physiology and welfare. <i>Physiology and Behavior</i> , 2020, 219, 112867.	1.0	2
178	IEEE 802.15.4 Based Wireless Sensor Networks Applied to pH and Temperature Monitoring in a Fish Farm. <i>Sensor Letters</i> , 2009, 7, 861-868.	0.4	2
179	Viral Infection Drives the Regulation of Feeding Behavior Related Genes in <i>Salmo salar</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 11391.	1.8	2
180	Cardiac conduction times in <i>Sparus auratus</i> at different heart rates. Influence of body weight. <i>Journal of Fish Biology</i> , 1998, 52, 1154-1164.	0.7	2

#	ARTICLE	IF	CITATIONS
181	Metabolomic Profiling Reveals Changes in Amino Acid and Energy Metabolism Pathways in Liver, Intestine and Brain of Zebrafish Exposed to Different Thermal Conditions. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
182	Dogfish liver and kidney tissue respiration after zinc treatment. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1984, 77, 381-384.	0.2	1
183	Oxygen consumption of dogfish rectal gland after in vitro and in vivo zinc treatments. <i>Marine Pollution Bulletin</i> , 1984, 15, 253-255.	2.3	1
184	Stress and Immunity in Fish. , 2022, , 609-655.		1
185	A Transcriptomic Study Reveals That Fish Vibriosis Due to the Zoonotic Pathogen <i>Vibrio vulnificus</i> Is an Acute Inflammatory Disease in Which Erythrocytes May Play an Important Role. <i>Frontiers in Microbiology</i> , 2022, 13, 852677.	1.5	1
186	Student mobility measures in the aquatic sciences: the development of the AQUA-TNET Education Gate. <i>Aquaculture International</i> , 2015, 23, 787-803.	1.1	0
187	Fish welfare. The controversy around fish as sentient beings. <i>Contributions of biology. Derecho Animal</i> , 2019, 10, 60.	0.1	0