

# Christopher John Secombes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1811733/publications.pdf>

Version: 2024-02-01

141  
papers

7,730  
citations

36203

51  
h-index

58464

82  
g-index

144  
all docs

144  
docs citations

144  
times ranked

4144  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Function of Fish Cytokines. <i>Biology</i> , 2016, 5, 23.	1.3	413
2	Cytokines and innate immunity of fish. <i>Developmental and Comparative Immunology</i> , 2001, 25, 713-723.	1.0	400
3	The interleukins of fish. <i>Developmental and Comparative Immunology</i> , 2011, 35, 1336-1345.	1.0	268
4	The cytokine networks of adaptive immunity in fish. <i>Fish and Shellfish Immunology</i> , 2013, 35, 1703-1718.	1.6	265
5	Two Types of TNF- $\beta$ Exist in Teleost Fish: Phylogeny, Expression, and Bioactivity Analysis of Type-II TNF- $\beta$ 3 in Rainbow Trout <i>Oncorhynchus mykiss</i> . <i>Journal of Immunology</i> , 2013, 191, 5959-5972.	0.4	201
6	Functional Characterization of a Nonmammalian IL-21: Rainbow Trout <i>Oncorhynchus mykiss</i> IL-21 Upregulates the Expression of the Th Cell Signature Cytokines IFN- $\beta$ 3, IL-10, and IL-22. <i>Journal of Immunology</i> , 2011, 186, 708-721.	0.4	163
7	Bioactivity studies of rainbow trout ( <i>Oncorhynchus mykiss</i> ) interleukin-6: Effects on macrophage growth and antimicrobial peptide gene expression. <i>Molecular Immunology</i> , 2011, 48, 1903-1916.	1.0	152
8	DNA vaccination against viral haemorrhagic septicaemia (VHS) in rainbow trout: size, dose, route of injection and duration of protection—early protection correlates with Mx expression. <i>Fish and Shellfish Immunology</i> , 2003, 15, 39-50.	1.6	144
9	Phylogeny of cytokines: molecular cloning and expression analysis of sea bass <i>Dicentrarchus labrax</i> interleukin-1 $\beta$ 2. <i>Fish and Shellfish Immunology</i> , 2001, 11, 711-726.	1.6	140
10	Factors influencing the expression of interleukin-1 $\beta$ 2 in cultured rainbow trout ( <i>Oncorhynchus mykiss</i> ) leucocytes. <i>Developmental and Comparative Immunology</i> , 2000, 24, 575-582.	1.0	124
11	Expression of genes related to the early immune response in rainbow trout ( <i>Oncorhynchus mykiss</i> ) after viral haemorrhagic septicemia virus (VHSV) infection. <i>Developmental and Comparative Immunology</i> , 2005, 29, 615-626.	1.0	123
12	The RxLR Motif of the Host Targeting Effector AVR3a of <i>Phytophthora infestans</i> Is Cleaved before Secretion. <i>Plant Cell</i> , 2017, 29, 1184-1195.	3.1	123
13	Evolution of the CD4 Family: Teleost Fish Possess Two Divergent Forms of CD4 in Addition to Lymphocyte Activation Gene-3. <i>Journal of Immunology</i> , 2006, 177, 3939-3951.	0.4	116
14	Identification of a Novel IL-1 Cytokine Family Member in Teleost Fish. <i>Journal of Immunology</i> , 2009, 183, 962-974.	0.4	113
15	CD4-Transgenic Zebrafish Reveal Tissue-Resident Th2- and Regulatory T Cell-like Populations and Diverse Mononuclear Phagocytes. <i>Journal of Immunology</i> , 2016, 197, 3520-3530.	0.4	113
16	Salmonids Have an Extraordinary Complex Type I IFN System: Characterization of the IFN Locus in Rainbow Trout <i>Oncorhynchus mykiss</i> Reveals Two Novel IFN Subgroups. <i>Journal of Immunology</i> , 2014, 193, 2273-2286.	0.4	107
17	Cloning and expression of the first nonmammalian interleukin-11 gene in rainbow trout <i>Oncorhynchus mykiss</i> . <i>FEBS Journal</i> , 2005, 272, 1136-1147.	2.2	104
18	First in-depth analysis of the novel Th2-type cytokines in salmonid fish reveals distinct patterns of expression and modulation but overlapping bioactivities. <i>Oncotarget</i> , 2016, 7, 10917-10946.	0.8	104

#	ARTICLE	IF	CITATIONS
19	Molecular and Functional Characterization of IL-15 in Rainbow Trout <i>Oncorhynchus mykiss</i> : A Potent Inducer of IFN- $\gamma$ Expression in Spleen Leukocytes. <i>Journal of Immunology</i> , 2007, 179, 1475-1488.	0.4	103
20	Complete sequencing and expression of three complement components, C1r, C4 and C1 inhibitor, of the classical activation pathway of the complement system in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Immunogenetics</i> , 2003, 55, 615-628.	1.2	102
21	Gene expression profiling in naïve and vaccinated rainbow trout after <i>Yersinia ruckeri</i> infection: Insights into the mechanisms of protection seen in vaccinated fish. <i>Vaccine</i> , 2011, 29, 4388-4399.	1.7	101
22	Two Macrophage Colony-Stimulating Factor Genes Exist in Fish That Differ in Gene Organization and Are Differentially Expressed. <i>Journal of Immunology</i> , 2008, 181, 3310-3322.	0.4	97
23	Rainbow trout interleukin-2: Cloning, expression and bioactivity analysis. <i>Fish and Shellfish Immunology</i> , 2009, 27, 414-422.	1.6	97
24	Cloning and Characterization of Rainbow Trout Interleukin-17A/F2 (IL-17A/F2) and IL-17 Receptor A: Expression during Infection and Bioactivity of Recombinant IL-17A/F2. <i>Infection and Immunity</i> , 2013, 81, 340-353.	1.0	97
25	Isolation and Characterization of Salmonid CD4+ T Cells. <i>Journal of Immunology</i> , 2016, 196, 4150-4163.	0.4	91
26	Sequence and expression analysis of two T helper master transcription factors, T-bet and GATA3, in rainbow trout <i>Oncorhynchus mykiss</i> and analysis of their expression during bacterial and parasitic infection. <i>Fish and Shellfish Immunology</i> , 2010, 29, 705-715.	1.6	90
27	Phylogenetic analysis of vertebrate CXC chemokines reveals novel lineage specific groups in teleost fish. <i>Developmental and Comparative Immunology</i> , 2013, 41, 137-152.	1.0	88
28	Cloning of the IL-1 $\beta$ gene and IL-1 $\beta$ pseudogene in salmonids uncovers a second type of IL-1 $\beta$ gene in teleost fish. <i>Developmental and Comparative Immunology</i> , 2012, 38, 431-446.	1.0	83
29	Immune gene expression profiling of Proliferative Kidney Disease in rainbow trout <i>Oncorhynchus mykiss</i> reveals a dominance of anti-inflammatory, antibody and T helper cell-like activities. <i>Veterinary Research</i> , 2013, 44, 55.	1.1	80
30	An Mx1 promoter-reporter system to study interferon pathways in rainbow trout. <i>Developmental and Comparative Immunology</i> , 2004, 28, 793-801.	1.0	76
31	Rainbow trout suppressor of cytokine signalling (SOCS)-1, 2 and 3: Molecular identification, expression and modulation. <i>Molecular Immunology</i> , 2008, 45, 1449-1457.	1.0	74
32	Two interleukin-17C-like genes exist in rainbow trout <i>Oncorhynchus mykiss</i> that are differentially expressed and modulated. <i>Developmental and Comparative Immunology</i> , 2010, 34, 491-500.	1.0	73
33	Cloning of two rainbow trout nucleotide-binding oligomerization domain containing 2 (NOD2) splice variants and functional characterization of the NOD2 effector domains. <i>Fish and Shellfish Immunology</i> , 2011, 30, 118-127.	1.6	73
34	Two copies of the genes encoding the subunits of putative interleukin (IL)-4/IL-13 receptors, IL-4R $\alpha$ and IL-13R $\alpha$ 1 and IL-13R $\alpha$ 2, have been identified in rainbow trout ( <i>Oncorhynchus mykiss</i> ) and have complex patterns of expression and modulation. <i>Immunogenetics</i> , 2011, 63, 235-253.	1.2	73
35	First Demonstration of Antigen Induced Cytokine Expression by CD4+ Lymphocytes in a Poikilotherm: Studies in Zebrafish ( <i>Danio rerio</i> ). <i>PLoS ONE</i> , 2015, 10, e0126378.	1.1	73
36	Identification of IL-34 in teleost fish: Differential expression of rainbow trout IL-34, MCSF1 and MCSF2, ligands of the MCSF receptor. <i>Molecular Immunology</i> , 2013, 53, 398-409.	1.0	71

#	ARTICLE	IF	CITATIONS
37	Interleukin (IL)-2 Is a Key Regulator of T Helper 1 and T Helper 2 Cytokine Expression in Fish: Functional Characterization of Two Divergent IL2 Paralogs in Salmonids. <i>Frontiers in Immunology</i> , 2018, 9, 1683.	2.2	71
38	Differential expression, modulation and bioactivity of distinct fish IL-12 isoforms: Implication towards the evolution of Th1-like immune responses. <i>European Journal of Immunology</i> , 2014, 44, 1541-1551.	1.6	69
39	The expanding repertoire of the IL-12 cytokine family in teleost fish: Identification of three paralogues each of the p35 and p40 genes in salmonids, and comparative analysis of their expression and modulation in Atlantic salmon <i>Salmo salar</i> . <i>Developmental and Comparative Immunology</i> , 2014, 46, 194-207.	1.0	67
40	Cloning, expression analysis and bioactivity studies of rainbow trout ( <i>Oncorhynchus mykiss</i> ) interleukin-22. <i>Cytokine</i> , 2011, 55, 62-73.	1.4	65
41	The evolution of IL-4 and IL-13 and their receptor subunits. <i>Cytokine</i> , 2015, 75, 8-13.	1.4	65
42	Insights into the Evolution of the Suppressors of Cytokine Signaling (SOCS) Gene Family in Vertebrates. <i>Molecular Biology and Evolution</i> , 2019, 36, 393-411.	3.5	65
43	Fish Suppressors of Cytokine Signaling (SOCS): Gene Discovery, Modulation of Expression and Function. <i>Journal of Signal Transduction</i> , 2011, 2011, 1-20.	2.0	64
44	Molecular characterization and expression analysis of the IFN-gamma related gene (IFN- $\gamma$ rel) in grass carp <i>Ctenopharyngodon idella</i> . <i>Veterinary Immunology and Immunopathology</i> , 2010, 134, 199-207.	0.5	63
45	Functional conservation of suppressors of cytokine signaling proteins between teleosts and mammals: Atlantic salmon SOCS1 binds to JAK/STAT family members and suppresses type I and II IFN signaling. <i>Developmental and Comparative Immunology</i> , 2014, 45, 177-189.	1.0	63
46	Identification of the salmonid IL-17A/F1a/b, IL-17A/F2b, IL-17A/F3 and IL-17N genes and analysis of their expression following in vitro stimulation and infection. <i>Immunogenetics</i> , 2015, 67, 395-412.	1.2	59
47	Dysregulation of B Cell Activity During Proliferative Kidney Disease in Rainbow Trout. <i>Frontiers in Immunology</i> , 2018, 9, 1203.	2.2	59
48	Studies on the Use of Flagellin as an Immunostimulant and Vaccine Adjuvant in Fish Aquaculture. <i>Frontiers in Immunology</i> , 2018, 9, 3054.	2.2	58
49	Identification of suppressor of cytokine signalling (SOCS) 6, 7, 9 and CISH in rainbow trout <i>Oncorhynchus mykiss</i> and analysis of their expression in relation to other known trout SOCSs. <i>Fish and Shellfish Immunology</i> , 2010, 29, 656-667.	1.6	56
50	The protective mechanisms induced by a fish rhabdovirus DNA vaccine depend on temperature. <i>Vaccine</i> , 2009, 27, 3870-3880.	1.7	55
51	Distinct Differentiation Programs Triggered by IL-6 and LPS in Teleost IgM+ B Cells in The Absence of Germinal Centers. <i>Scientific Reports</i> , 2016, 6, 30004.	1.6	55
52	Selenium Supplementation in Fish: A Combined Chemical and Biomolecular Study to Understand Sel-Plex Assimilation and Impact on Selenoproteome Expression in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Inorganic Biochemistry</i> , 2019, 191, 110-119.	1.1	10
53	The Peculiar Characteristics of Fish Type I Interferons. <i>Viruses</i> , 2016, 8, 298.	1.5	53
54	Discovery of All Three Types in Cartilaginous Fishes Enables Phylogenetic Resolution of the Origins and Evolution of Interferons. <i>Frontiers in Immunology</i> , 2019, 10, 1558.	2.2	52

#	ARTICLE	IF	CITATIONS
55	Sequencing of a second interleukin-10 gene in rainbow trout <i>Oncorhynchus mykiss</i> and comparative investigation of the expression and modulation of the paralogues <i>in vitro</i> and <i>in vivo</i> . <i>Fish and Shellfish Immunology</i> , 2011, 31, 107-117.	1.6	51
56	Role of Pathogen-Derived Cell Wall Carbohydrates and Prostaglandin E <sub>2</sub> in Immune Response and Suppression of Fish Immunity by the Oomycete <i>Saprolegnia parasitica</i> . <i>Infection and Immunity</i> , 2014, 82, 4518-4529.	1.0	49
57	Identification of two FoxP3 genes in rainbow trout ( <i>Oncorhynchus mykiss</i> ) with differential induction patterns. <i>Molecular Immunology</i> , 2010, 47, 2563-2574.	1.0	48
58	Cloning of a novel interleukin (IL)-20-like gene in rainbow trout <i>Oncorhynchus mykiss</i> gives an insight into the evolution of the IL-10 family. <i>Developmental and Comparative Immunology</i> , 2010, 34, 158-167.	1.0	48
59	Sequence and expression analysis of rainbow trout CXCR2, CXCR3a and CXCR3b aids interpretation of lineage-specific conversion, loss and expansion of these receptors during vertebrate evolution. <i>Developmental and Comparative Immunology</i> , 2014, 45, 201-213.	1.0	48
60	DNA vaccination against a fish rhabdovirus promotes an early chemokine-related recruitment of B cells to the muscle. <i>Vaccine</i> , 2014, 32, 1160-1168.	1.7	47
61	Which Th pathway is involved during late stage amoebic gill disease?. <i>Fish and Shellfish Immunology</i> , 2015, 46, 417-425.	1.6	47
62	Identification and expression analysis of two fish-specific IL-6 cytokine family members, the ciliary neurotrophic factor (CNTF)-like and M17 genes, in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Molecular Immunology</i> , 2009, 46, 2290-2298.	1.0	46
63	Re-examination of the rainbow trout ( <i>Oncorhynchus mykiss</i> ) immune response to flagellin: <i>Yersinia ruckeri</i> flagellin is a potent activator of acute phase proteins, anti-microbial peptides and pro-inflammatory cytokines <i>in vitro</i> . <i>Developmental and Comparative Immunology</i> , 2016, 57, 75-87.	1.0	46
64	The gamma-chain cytokine/receptor system in fish: More ligands and receptors. <i>Fish and Shellfish Immunology</i> , 2011, 31, 673-687.	1.6	45
65	Transforming growth factor- $\beta$ 1b: A second TGF- $\beta$ 1 paralogue in the rainbow trout ( <i>Oncorhynchus</i> ) Tj ETQq1 1 0.784314 rgBT /Overl... and <i>Shellfish Immunology</i> , 2013, 34, 420-432.	1.6	43
66	Expression in <i>Escherichia coli</i> and Purification of Sea Bass ( <i>Dicentrarchus labrax</i> ) Interleukin 1 $\beta$ , a Possible Immunoadjuvant in Aquaculture. <i>Marine Biotechnology</i> , 2004, 6, 53-59.	1.1	42
67	Ontogeny and modulation after PAMPs stimulation of $\beta$ -defensin, hepcidin, and piscidin antimicrobial peptides in meagre ( <i>Argyrosomus regius</i> ). <i>Fish and Shellfish Immunology</i> , 2017, 69, 200-210.	1.6	40
68	Immune response and protective efficacy of two new adjuvants, Montanide $\alpha$ , $\phi$ ISA 763B VG and Montanide $\alpha$ , $\phi$ GEL02, administered with a <i>Streptococcus agalactiae</i> ghost vaccine in Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Fish and Shellfish Immunology</i> , 2021, 116, 19-29.	1.6	39
69	Sequencing and expression of the second allele of the interleukin-1 $\beta$ gene in rainbow trout ( <i>Oncorhynchus mykiss</i> ): identification of a novel SINE in the third intron. <i>Fish and Shellfish Immunology</i> , 2004, 16, 335-358.	1.6	38
70	Increased parasite resistance of greater amberjack ( <i>Seriola dumerili</i> Risso 1810) juveniles fed a cMOS supplemented diet is associated with upregulation of a discrete set of immune genes in mucosal tissues. <i>Fish and Shellfish Immunology</i> , 2019, 86, 35-45.	1.6	37
71	Long-term stimulation of trout head kidney cells with the cytokines MCSF, IL-2 and IL-6: Gene expression dynamics. <i>Fish and Shellfish Immunology</i> , 2012, 32, 35-44.	1.6	34
72	Four CISH paralogues are present in rainbow trout <i>Oncorhynchus mykiss</i> : Differential expression and modulation during immune responses and development. <i>Molecular Immunology</i> , 2014, 62, 186-198.	1.0	34

#	ARTICLE	IF	CITATIONS
73	Involvement of two microRNAs in the early immune response to DNA vaccination against a fish rhabdovirus. <i>Vaccine</i> , 2015, 33, 3215-3222.	1.7	34
74	The effect of peptidoglycan enriched diets on antimicrobial peptide gene expression in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2013, 34, 529-537.	1.6	33
75	Rainbow trout ( <i>Oncorhynchus mykiss</i> ) adipose tissue undergoes major changes in immune gene expression following bacterial infection or stimulation with pro-inflammatory molecules. <i>Developmental and Comparative Immunology</i> , 2018, 81, 83-94.	1.0	33
76	Rainbow trout CK9, a CCL25-like ancient chemokine that attracts and regulates B cells and macrophages, the main antigen presenting cells in fish. <i>Oncotarget</i> , 2016, 7, 17547-17564.	0.8	32
77	Identification and expression modulation of a C-type lectin domain family 4 homologue that is highly expressed in monocytes/macrophages in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Developmental and Comparative Immunology</i> , 2016, 54, 55-65.	1.0	32
78	Lineage/species-specific expansion of the Mx gene family in teleosts: Differential expression and modulation of nine Mx genes in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Fish and Shellfish Immunology</i> , 2019, 90, 413-430.	1.6	31
79	Dissecting the immune pathways stimulated following injection vaccination of rainbow trout ( <i>Oncorhynchus mykiss</i> ) against enteric redmouth disease (ERM). <i>Fish and Shellfish Immunology</i> , 2019, 85, 18-30.	1.6	31
80	Effects of temperature on amoebic gill disease development: Does it play a role?. <i>Journal of Fish Diseases</i> , 2019, 42, 1241-1258.	0.9	29
81	Characterisation of rainbow trout peripheral blood leucocytes prepared by hypotonic lysis of erythrocytes, and analysis of their phagocytic activity, proliferation and response to PAMPs and proinflammatory cytokines. <i>Developmental and Comparative Immunology</i> , 2018, 88, 104-113.	1.0	27
82	Identification and characterisation of the IL-27 p28 subunits in fish: Cloning and comparative expression analysis of two p28 paralogues in Atlantic salmon <i>Salmo salar</i> . <i>Fish and Shellfish Immunology</i> , 2014, 41, 102-112.	1.6	26
83	Comparative study of CXC chemokines modulation in brown trout ( <i>Salmo trutta</i> ) following infection with a bacterial or viral pathogen. <i>Molecular Immunology</i> , 2016, 71, 64-77.	1.0	26
84	Identification and expression analysis of two interleukin-23 $\pm$ (p19) isoforms, in rainbow trout <i>Oncorhynchus mykiss</i> and Atlantic salmon <i>Salmo salar</i> . <i>Molecular Immunology</i> , 2015, 66, 216-228.	1.0	25
85	Evolution of Th2 responses: characterization of IL-4/13 in sea bass ( <i>Dicentrarchus labrax</i> L.) and studies of expression and biological activity. <i>Scientific Reports</i> , 2017, 7, 2240.	1.6	25
86	Cloning and expression analysis of two ROR- $\gamma$ homologues (ROR- $\gamma$ a1 and ROR- $\gamma$ a2) in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 365-374.	1.6	24
87	Analysis of adipose tissue immune gene expression after vaccination of rainbow trout with adjuvanted bacterins reveals an association with side effects. <i>Molecular Immunology</i> , 2017, 88, 89-98.	1.0	24
88	Gene expression analysis of isolated salmonid GALT leucocytes in response to PAMPs and recombinant cytokines. <i>Fish and Shellfish Immunology</i> , 2018, 80, 426-436.	1.6	24
89	Individual monitoring of immune responses in rainbow trout after cohabitation and intraperitoneal injection challenge with <i>Yersinia ruckeri</i> . <i>Fish and Shellfish Immunology</i> , 2016, 55, 469-478.	1.6	23
90	Characterization of BAFF and APRIL subfamily receptors in rainbow trout ( <i>Oncorhynchus mykiss</i> ). Potential role of the BAFF / APRIL axis in the pathogenesis of proliferative kidney disease. <i>PLoS ONE</i> , 2017, 12, e0174249.	1.1	23

#	ARTICLE	IF	CITATIONS
91	Dietary supplementation of <i>Chlorella vulgaris</i> ameliorates chronic sodium arsenite toxicity in Nile tilapia <i>Oreochromis niloticus</i> as revealed by histopathological, biochemical and immune gene expression analysis. <i>Fisheries Science</i> , 2019, 85, 199-215.	0.7	22
92	Revisiting the Teleost Thymus: Current Knowledge and Future Perspectives. <i>Biology</i> , 2021, 10, 8.	1.3	22
93	Evolution of IFN subgroups in bony fish - 1: Group I-III IFN exist in early ray-finned fish, with group II IFN subgroups present in the Holostean spotted gar, <i>Lepisosteus oculatus</i> . <i>Fish and Shellfish Immunology</i> , 2019, 95, 163-170.	1.6	21
94	Evolution of IFN subgroups in bony fish - 2. analysis of subgroup appearance and expansion in teleost fish with a focus on salmonids. <i>Fish and Shellfish Immunology</i> , 2020, 98, 564-573.	1.6	20
95	The longevity of the antimicrobial response in rainbow trout ( <i>Oncorhynchus mykiss</i> ) fed a peptidoglycan (PG) supplemented diet. <i>Fish and Shellfish Immunology</i> , 2015, 44, 316-320.	1.6	19
96	Characterisation of arginase paralogues in salmonids and their modulation by immune stimulation/ infection. <i>Fish and Shellfish Immunology</i> , 2017, 61, 138-151.	1.6	19
97	Identification of three IFN- $\gamma$ inducible lysosomal thiol reductase (GILT)-like genes in mud crab <i>Scylla paramamosain</i> with distinct gene organizations and patterns of expression. <i>Gene</i> , 2015, 570, 78-88.	1.0	18
98	Characterisation of the TNF superfamily members CD40L and BAFF in the small-spotted catshark ( <i>Pseudogadus medius</i> ). <i>Developmental and Comparative Immunology</i> , 2019, 101, 103449.	1.6	18
99	Induction of IL-22 protein and IL-22-producing cells in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , 2019, 101, 103449.	1.0	18
100	Expansion of fish CCL20-like chemokines by genome and local gene duplication: Characterisation and expression analysis of 10 CCL20-like chemokines in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Developmental and Comparative Immunology</i> , 2020, 103, 103502.	1.0	18
101	Ancient Cytokine Interleukin 15-Like (IL-15L) Induces a Type 2 Immune Response. <i>Frontiers in Immunology</i> , 2020, 11, 549319.	2.2	18
102	Sequence and Expression Analysis of Interferon Regulatory Factor 10 (IRF10) in Three Diverse Teleost Fish Reveals Its Role in Antiviral Defense. <i>PLoS ONE</i> , 2016, 11, e0147181.	1.1	17
103	Analysis of interferon gamma protein expression in zebrafish ( <i>Danio rerio</i> ). <i>Fish and Shellfish Immunology</i> , 2016, 57, 79-86.	1.6	17
104	Molecular characterisation of four class 2 cytokine receptor family members in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , 2015, 48, 43-54.	1.0	16
105	The discovery and comparative expression analysis of three distinct type I interferons in the perciform fish, meagre ( <i>Argyrosomus regius</i> ). <i>Developmental and Comparative Immunology</i> , 2018, 84, 123-132.	1.0	16
106	Identification, molecular characterization and functional analysis of interleukin (IL)-2 and IL-2like (IL-2L) cytokines in sea bass ( <i>Dicentrarchus labrax</i> L.). <i>Cytokine</i> , 2020, 126, 154898.	1.4	16
107	Identification and characterization of three CXC chemokines in Asian swamp eel ( <i>Monopterus albus</i> ) uncovers a third CXCL11-like group in fish. <i>Developmental and Comparative Immunology</i> , 2019, 101, 103454.	1.0	15
108	Comparative transcriptomics and host-specific parasite gene expression profiles inform on drivers of proliferative kidney disease. <i>Scientific Reports</i> , 2021, 11, 2149.	1.6	15

#	ARTICLE	IF	CITATIONS
109	Characterisation and analysis of IFN-gamma producing cells in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Fish and Shellfish Immunology</i> , 2021, 117, 328-338.	1.6	15
110	Macrophage migration inhibitory factor (MIF) family in arthropods: Cloning and expression analysis of two MIF and one D-dopachrome tautomerase (DDT) homologues in mud crabs, <i>Scylla paramamosain</i> . <i>Fish and Shellfish Immunology</i> , 2016, 50, 142-149.	1.6	14
111	Characterisation of ZBTB46 and DC-SCRIPT/ZNF366 in rainbow trout, transcription factors potentially involved in dendritic cell maturation and activation in fish. <i>Developmental and Comparative Immunology</i> , 2018, 80, 2-14.	1.0	14
112	Effects of repeated anaesthesia on gill and general health of Atlantic salmon, <i>Salmo salar</i> . <i>Journal of Fish Biology</i> , 2018, 93, 1069-1081.	0.7	14
113	Immune response modulation upon sequential heterogeneous co-infection with <i>Tetracapsuloides bryosalmonae</i> and VHSV in brown trout ( <i>Salmo trutta</i> ). <i>Fish and Shellfish Immunology</i> , 2019, 88, 375-390.	1.6	14
114	Viral and bacterial septicaemic infections modulate the expression of PACAP splicing variants and VIP/PACAP receptors in brown trout immune organs. <i>Fish and Shellfish Immunology</i> , 2015, 47, 923-932.	1.6	13
115	Effective isolation of GALT cells: Insights into the intestine immune response of rainbow trout ( <i>Oncorhynchus mykiss</i> ) to different bacterin vaccine preparations. <i>Fish and Shellfish Immunology</i> , 2020, 105, 378-392.	1.6	13
116	Distinct modes of action of CD40L and adaptive cytokines IL-2, IL-4/13, IL-10 and IL-21 on rainbow trout IgM+ B cells. <i>Developmental and Comparative Immunology</i> , 2020, 111, 103752.	1.0	13
117	Atlantic salmon post-smolts adapted for a longer time to seawater develop an effective humoral and cellular immune response against Salmonid alphavirus. <i>Fish and Shellfish Immunology</i> , 2018, 82, 579-590.	1.6	12
118	An insight into piscidins: The discovery, modulation and bioactivity of greater amberjack, <i>Seriola dumerilii</i> , piscidin. <i>Molecular Immunology</i> , 2019, 114, 378-388.	1.0	12
119	Different origins of paralogues of salmonid TNF1 and TNFR2: Characterisation and expression analysis of four TNF receptor genes in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , 2019, 99, 103403.	1.0	11
120	Immunohistochemical examination of immune cells in adipose tissue of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2019, 87, 103403.	1.6	11
121	Identification and expression analysis of an atypical chemokine receptor-2 (ACKR2)/CC chemokine binding protein-2 (CCBP2) in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2015, 44, 389-398.	1.6	10
122	Distinct response of immune gene expression in peripheral blood leucocytes modulated by bacterin vaccine candidates in rainbow trout <i>Oncorhynchus mykiss</i> : A potential in vitro screening and batch testing system for vaccine development in aquaculture. <i>Fish and Shellfish Immunology</i> , 2019, 93, 631-640.	1.6	10
123	Five subfamilies of $\beta$ -defensin genes are present in salmonids: Evolutionary insights and expression analysis in Atlantic salmon <i>Salmo salar</i> . <i>Developmental and Comparative Immunology</i> , 2020, 104, 103560.	1.0	10
124	A portrait of the immune response to proliferative kidney disease (PKD) in rainbow trout. <i>Parasite Immunology</i> , 2020, 42, e12730.	0.7	10
125	Molecular characterization and expression analysis of four fish-specific CC chemokine receptors CCR4La, CCR4Lc1, CCR4Lc2 and ACCR11 in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2017, 68, 411-427.	1.6	9
126	Development of a 3D spheroid cell culture system from fish cell lines for in vitro infection studies: Evaluation with <i>Saprolegnia parasitica</i> . <i>Journal of Fish Diseases</i> , 2021, 44, 701-710.	0.9	9

#	ARTICLE	IF	CITATIONS
127	Montanide <sup>®</sup> , ISA 763A VG and ISA 761 VG induce different immune pathway responses in rainbow trout ( <i>Oncorhynchus mykiss</i> ) when used as adjuvant for an <i>Aeromonas salmonicida</i> bacterin. <i>Fish and Shellfish Immunology</i> , 2021, 114, 171-183.	1.6	8
128	Characterization and expression analysis of chemokine-like receptor 3 gene in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Fisheries Science</i> , 2016, 82, 613-622.	0.7	7
129	STAT3/SOCS3 axis contributes to the outcome of salmonid whirling disease. <i>PLoS ONE</i> , 2020, 15, e0234479.	1.1	7
130	Recombinant interleukin-1 $\beta$ dilates steelhead trout coronary microvessels: effect of temperature and role of the endothelium, nitric oxide and prostaglandins. <i>Journal of Experimental Biology</i> , 2015, 218, 2269-78.	0.8	6
131	Four selenoprotein P genes exist in salmonids: Analysis of their origin and expression following Se supplementation and bacterial infection. <i>PLoS ONE</i> , 2018, 13, e0209381.	1.1	6
132	Immune-modulation of two BATF3 paralogues in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Molecular Immunology</i> , 2018, 99, 104-114.	1.0	5
133	Time-course study of the protection induced by an interferon-inducible DNA vaccine against viral haemorrhagic septicaemia in rainbow trout. <i>Fish and Shellfish Immunology</i> , 2019, 85, 99-105.	1.6	5
134	Type I Interferon Regulates the Survival and Functionality of B Cells in Rainbow Trout. <i>Frontiers in Immunology</i> , 2020, 11, 1494.	2.2	5
135	Modulation of local and systemic immune responses in brown trout ( <i>Salmo trutta</i> ) following exposure to <i>Myxobolus cerebralis</i> . <i>Fish and Shellfish Immunology</i> , 2020, 106, 844-851.	1.6	5
136	Gene expression analysis of the innate immune system during early rearing and weaning of meagre ( <i>Argyrosomus regius</i> ). <i>Fish and Shellfish Immunology</i> , 2019, 94, 819-832.	1.6	4
137	CD38 Defines a Subset of B Cells in Rainbow Trout Kidney With High IgM Secreting Capacities. <i>Frontiers in Immunology</i> , 2021, 12, 773888.	2.2	3
138	In vitro evaluation of novel (nanoparticle) oral delivery systems allow selection of gut immunomodulatory formulations. <i>Fish and Shellfish Immunology</i> , 2021, 113, 125-138.	1.6	2
139	Can Advances in Fish Immunology Change Vaccination Strategies?. <i>Fish Pathology</i> , 2009, 44, 14-15.	0.4	2
140	Comprehensive transcriptome profiling and functional analysis of the meagre ( <i>Argyrosomus regius</i> ) immune system. <i>Fish and Shellfish Immunology</i> , 2022, 123, 506-520.	1.6	2
141	Atlantic salmon kidney (ASK) cells are an effective model to characterise interferon (IFN) and IFN-induced gene expression following salmonid alphavirus infection. <i>Fish and Shellfish Immunology</i> , 2020, 106, 792-795.	1.6	1