

# Tiehui Wang

## List of Publications by Citations

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128  
papers

5,681  
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43  
h-index

71  
g-index

139  
ext. papers

6,772  
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L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 128 | Cytokines and innate immunity of fish. <i>Developmental and Comparative Immunology</i> , <b>2001</b> , 25, 713-23  | 3.2  | 308       |
| 127 | Evolution of interleukin-1beta. <i>Cytokine and Growth Factor Reviews</i> , <b>2002</b> , 13, 483-502  | 17.9 | 213       |
| 126 | The interleukins of fish. <i>Developmental and Comparative Immunology</i> , <b>2011</b> , 35, 1336-45  | 3.2  | 198       |
| 125 | The cytokine networks of adaptive immunity in fish. <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 35, 1703-18   | 4.3  | 192       |
| 124 | Cloning and expression analysis of rainbow trout <i>Oncorhynchus mykiss</i> tumour necrosis factor-alpha. <i>FEBS Journal</i> , <b>2001</b> , 268, 1315-22   |      | 190       |
| 123 | Identification and analysis of an interleukin 8-like molecule in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , <b>2002</b> , 26, 433-44   | 3.2  | 157       |
| 122 | Differential expression of two tumor necrosis factor genes in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , <b>2002</b> , 26, 161-72   | 3.2  | 138       |
| 121 | Two types of TNF exist in teleost fish: phylogeny, expression, and bioactivity analysis of type-II TNF- $\beta$ in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Journal of Immunology</i> , <b>2013</b> , 191, 5959-72                                  | 5.3  | 136       |
| 120 | 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-gamma, IL-10, and IL-22. <i>Journal of Immunology</i> , <b>2011</b> , 186, 708-21  | 5.3  | 131       |
| 119 | Bioactivity studies of rainbow trout ( <i>Oncorhynchus mykiss</i> ) interleukin-6: effects on macrophage growth and antimicrobial peptide gene expression. <i>Molecular Immunology</i> , <b>2011</b> , 48, 1903-16                                       | 4.3  | 113       |
| 118 | Molecular characterization of IRF3 and IRF7 in rainbow trout, <i>Oncorhynchus mykiss</i> : functional analysis and transcriptional modulation. <i>Molecular Immunology</i> , <b>2008</b> , 46, 269-85  | 4.3  | 110       |
| 117 | Characterization of three novel beta-defensin antimicrobial peptides in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Molecular Immunology</i> , <b>2009</b> , 46, 3358-66  | 4.3  | 101       |
| 116 | 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> , <b>2003</b> , 55, 615-28 | 3.2  | 95        |
| 115 | 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> , <b>2011</b> , 29, 4388-99                                  | 4.1  | 92        |
| 114 | The first cytokine sequence within cartilaginous fish: IL-1 beta in the small spotted catshark ( <i>Scyliorhinus canicula</i> ). <i>Journal of Immunology</i> , <b>2002</b> , 168, 3329-40   | 5.3  | 91        |
| 113 | Identification of a novel IL-1 cytokine family member in teleost fish. <i>Journal of Immunology</i> , <b>2009</b> , 183, 962-74  | 5.3  | 89        |
| 112 | Two macrophage colony-stimulating factor genes exist in fish that differ in gene organization and are differentially expressed. <i>Journal of Immunology</i> , <b>2008</b> , 181, 3310-22  | 5.3  | 89        |

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|-----|---|-----|----|
| 111 | 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> , <b>2007</b> , 179, 1475-88   | 5.3 | 87 |
| 110 | Cloning and expression of the first nonmammalian interleukin-11 gene in rainbow trout <i>Oncorhynchus mykiss</i> . <i>FEBS Journal</i> , <b>2005</b> , 272, 1136-47   | 5.7 | 87 |
| 109 | Erratum for Belmonte et al., Role of Pathogen-Derived Cell Wall Carbohydrates and Prostaglandin E2 in Immune Response and Suppression of Fish Immunity by the Oomycete <i>Saprolegnia parasitica</i> . <i>Infection and Immunity</i> , <b>2015</b> , 83, 454-454  | 3.7 | 78 |
| 108 | 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> , <b>2016</b> , 7, 10917-46  | 3.3 | 74 |
| 107 | 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> , <b>2013</b> , 81, 340-53   | 3.7 | 72 |
| 106 | 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> , <b>2010</b> , 29, 705-15  | 4.3 | 72 |
| 105 | Rainbow trout suppressor of cytokine signalling (SOCS)-1, 2 and 3: molecular identification, expression and modulation. <i>Molecular Immunology</i> , <b>2008</b> , 45, 1449-57   | 4.3 | 69 |
| 104 | Rainbow trout interleukin-2: cloning, expression and bioactivity analysis. <i>Fish and Shellfish Immunology</i> , <b>2009</b> , 27, 414-22  | 4.3 | 68 |
| 103 | Phylogenetic analysis of vertebrate CXC chemokines reveals novel lineage specific groups in teleost fish. <i>Developmental and Comparative Immunology</i> , <b>2013</b> , 41, 137-52  | 3.2 | 64 |
| 102 | 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> , <b>2011</b> , 30, 118-27  | 4.3 | 63 |
| 101 | Two copies of the genes encoding the subunits of putative interleukin (IL)-4/IL-13 receptors, IL-4R $\beta$ and IL-13R $\beta$ , have been identified in rainbow trout ( <i>Oncorhynchus mykiss</i> ) and have complex patterns of expression and modulation. <i>Immunogenetics</i> , <b>2011</b> , 63, 235-53                        | 3.2 | 63 |
| 100 | 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> , <b>2013</b> , 44, 55  | 3.8 | 62 |
| 99  | 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> , <b>2010</b> , 34, 491-500   | 3.2 | 62 |
| 98  | 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> , <b>2012</b> , 38, 431-46   | 3.2 | 59 |
| 97  | 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> , <b>2014</b> , 44, 1541-51  | 6.1 | 58 |
| 96  | 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> , <b>2013</b> , 53, 398-409   | 4.3 | 56 |
| 95  | Isolation and Characterization of Salmonid CD4+ T Cells. <i>Journal of Immunology</i> , <b>2016</b> , 196, 4150-63  | 5.3 | 56 |
| 94  | 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> , <b>2014</b> , 46, 194-207 | 3.2 | 54 |

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|----|--|-----|----|
| 93 | Cloning, expression analysis and bioactivity studies of rainbow trout ( <i>Oncorhynchus mykiss</i> ) interleukin-22. <i>Cytokine</i> , <b>2011</b> , 55, 62-73   | 4   | 54 |
| 92 | Molecular cloning and characterization of interferon regulatory factors 4 and 8 (IRF-4 and IRF-8) in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Fish and Shellfish Immunology</i> , <b>2010</b> , 29, 157-66   | 4.3 | 53 |
| 91 | Impact of selenium supplementation on fish antiviral responses: a whole transcriptomic analysis in rainbow trout ( <i>Oncorhynchus mykiss</i> ) fed supranutritional levels of Sel-Plex <sup>®</sup> . <i>BMC Genomics</i> , <b>2016</b> , 17, 116                             | 4.5 | 52 |
| 90 | The evolution of IL-4 and IL-13 and their receptor subunits. <i>Cytokine</i> , <b>2015</b> , 75, 8-13  | 4   | 51 |
| 89 | Fish Suppressors of Cytokine Signaling (SOCS): Gene Discovery, Modulation of Expression and Function. <i>Journal of Signal Transduction</i> , <b>2011</b> , 2011, 905813   |     | 47 |
| 88 | Molecular cloning, gene organization and expression of rainbow trout ( <i>Oncorhynchus mykiss</i> ) inducible nitric oxide synthase (iNOS) gene. <i>Biochemical Journal</i> , <b>2001</b> , 358, 747-755   | 3.8 | 47 |
| 87 | 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> , <b>2015</b> , 67, 395-412   | 3.2 | 44 |
| 86 | Immune gene expression in trout cell lines infected with the fish pathogenic oomycete <i>Saprolegnia parasitica</i> . <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 38, 44-54  | 3.2 | 44 |
| 85 | 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 in vitro and in vivo. <i>Fish and Shellfish Immunology</i> , <b>2011</b> , 31, 107-17                  | 4.3 | 43 |
| 84 | Identification of two FoxP3 genes in rainbow trout ( <i>Oncorhynchus mykiss</i> ) with differential induction patterns. <i>Molecular Immunology</i> , <b>2010</b> , 47, 2563-74  | 4.3 | 42 |
| 83 | Role of pathogen-derived cell wall carbohydrates and prostaglandin E2 in immune response and suppression of fish immunity by the oomycete <i>Saprolegnia parasitica</i> . <i>Infection and Immunity</i> , <b>2014</b> , 82, 4518-29  | 3.7 | 41 |
| 82 | Characterization of cytosolic glutathione peroxidase and phospholipid-hydroperoxide glutathione peroxidase genes in rainbow trout ( <i>Oncorhynchus mykiss</i> ) and their modulation by in vitro selenium exposure. <i>Aquatic Toxicology</i> , <b>2013</b> , 130-131, 97-111 | 5.1 | 40 |
| 81 | 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> , <b>2014</b> , 45, 201-13   | 3.2 | 40 |
| 80 | Growth factors of lower vertebrates: characterization of goldfish ( <i>Carassius auratus</i> L.) macrophage colony-stimulating factor-1. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 31865-72  | 5.4 | 40 |
| 79 | Interleukin (IL)-2 Is a Key Regulator of T Helper 1 and T Helper 2 Cytokine Expression in Fish: Functional Characterization of Two Divergent Paralogs in Salmonids. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1683   | 8.4 | 39 |
| 78 | 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 SOCS. <i>Fish and Shellfish Immunology</i> , <b>2010</b> , 29, 656-67                | 4.3 | 39 |
| 77 | 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> , <b>2005</b> , 175, 2427-37  | 5.3 | 39 |
| 76 | Molecular cloning, gene organization and expression of rainbow trout ( <i>Oncorhynchus mykiss</i> ) inducible nitric oxide synthase (iNOS) gene. <i>Biochemical Journal</i> , <b>2001</b> , 358, 747-55  | 3.8 | 38 |

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| 75 | 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 in vitro. <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 57, 75-87 | 3.2 | 37 |
| 74 | Insights into the fish thioredoxin system: expression profile of thioredoxin and thioredoxin reductase in rainbow trout ( <i>Oncorhynchus mykiss</i> ) during infection and in vitro stimulation. <i>Developmental and Comparative Immunology</i> , <b>2014</b> , 42, 261-77   | 3.2 | 37 |
| 73 | 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> , <b>2010</b> , 34, 158-67   | 3.2 | 37 |
| 72 | DNA vaccination against a fish rhabdovirus promotes an early chemokine-related recruitment of B cells to the muscle. <i>Vaccine</i> , <b>2014</b> , 32, 1160-8   | 4.1 | 36 |
| 71 | 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> , <b>2009</b> , 46, 2290-8  | 4.3 | 36 |
| 70 | Distinct Differentiation Programs Triggered by IL-6 and LPS in Teleost IgM(+) B Cells in The Absence of Germinal Centers. <i>Scientific Reports</i> , <b>2016</b> , 6, 30004   | 4.9 | 36 |
| 69 | The gamma-chain cytokine/receptor system in fish: more ligands and receptors. <i>Fish and Shellfish Immunology</i> , <b>2011</b> , 31, 673-87  | 4.3 | 35 |
| 68 | The search for the IFN-gamma receptor in fish: Functional and expression analysis of putative binding and signalling chains in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , <b>2009</b> , 33, 920-31   | 3.2 | 35 |
| 67 | Which Th pathway is involved during late stage amoebic gill disease?. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 46, 417-25  | 4.3 | 34 |
| 66 | Transforming growth factor- $\beta$ b: a second TGF- $\beta$ paralogue in the rainbow trout ( <i>Oncorhynchus mykiss</i> ) that has a lower constitutive expression but is more responsive to immune stimulation. <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 34, 420-32  | 4.3 | 34 |
| 65 | Characterisation and expression analysis of the rainbow trout ( <i>Oncorhynchus mykiss</i> ) homologue of the human dendritic cell marker CD208/lysosomal associated membrane protein 3. <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 37, 402-13  | 3.2 | 31 |
| 64 | Sequencing and expression of the second allele of the interleukin-1beta1 gene in rainbow trout ( <i>Oncorhynchus mykiss</i> ): identification of a novel SINE in the third intron. <i>Fish and Shellfish Immunology</i> , <b>2004</b> , 16, 335-58   | 4.3 | 31 |
| 63 | Cross Talk Between Growth and Immunity: Coupling of the IGF Axis to Conserved Cytokine Pathways in Rainbow Trout. <i>Endocrinology</i> , <b>2016</b> , 157, 1942-55  | 4.8 | 31 |
| 62 | Characterization and gene expression analysis of the two main Th17 cytokines (IL-17A/F and IL-22) in turbot, <i>Scophthalmus maximus</i> . <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 38, 505-16  | 3.2 | 29 |
| 61 | Studies on the Use of Flagellin as an Immunostimulant and Vaccine Adjuvant in Fish Aquaculture. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 3054   | 8.4 | 29 |
| 60 | Insights into the Evolution of the Suppressors of Cytokine Signaling (SOCS) Gene Family in Vertebrates. <i>Molecular Biology and Evolution</i> , <b>2019</b> , 36, 393-411   | 8.3 | 29 |
| 59 | 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> , <b>2014</b> , 62, 186-98  | 4.3 | 28 |
| 58 | The fish pathogen <i>Yersinia ruckeri</i> produces holomycin and uses an RNA methyltransferase for self-resistance. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 14688-97   | 5.4 | 26 |

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| 57 | 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> , <b>2018</b> , 81, 83-94                                | 3.2 | 26 |
| 56 | Cloning and expression of a putative common cytokine receptor gamma chain (gammaC) gene in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , <b>2001</b> , 11, 233-44   | 4.3 | 25 |
| 55 | Cloning and functional characterisation of the interleukin-1 beta 1 promoter of rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2002</b> , 1575, 108-16   |     | 23 |
| 54 | Red mark syndrome in rainbow trout <i>Oncorhynchus mykiss</i> : investigation of immune responses in lesions using histology, immunohistochemistry and analysis of immune gene expression. <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 34, 1119-30  | 4.3 | 22 |
| 53 | Rainbow trout ( <i>Oncorhynchus mykiss</i> ) possess multiple novel immunoglobulin-like transcripts containing either an ITAM or ITIMs. <i>Developmental and Comparative Immunology</i> , <b>2009</b> , 33, 525-32   | 3.2 | 22 |
| 52 | 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> , <b>2016</b> , 7, 17547-64  | 3.3 | 22 |
| 51 | Cloning and expression analysis of two ROR- $\beta$ homologues (ROR- $\beta$ 1 and ROR- $\beta$ 2) in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 33, 365-74   | 4.3 | 21 |
| 50 | 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> , <b>2016</b> , 54, 55-65                                   | 3.2 | 20 |
| 49 | Identification and expression analysis of two interleukin-23(p19) isoforms, in rainbow trout <i>Oncorhynchus mykiss</i> and Atlantic salmon <i>Salmo salar</i> . <i>Molecular Immunology</i> , <b>2015</b> , 66, 216-28  | 4.3 | 20 |
| 48 | 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> , <b>2014</b> , 41, 102-12   | 4.3 | 20 |
| 47 | 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> , <b>2017</b> , 88, 89-98   | 4.3 | 19 |
| 46 | Characterisation and expression analysis of B-cell activating factor (BAFF) in spiny dogfish ( <i>Squalus acanthias</i> ): cartilaginous fish BAFF has a unique extra exon that may impact receptor binding. <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 36, 707-17              | 3.2 | 19 |
| 45 | 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> , <b>2019</b> , 85, 18-30   | 4.3 | 18 |
| 44 | 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> , <b>2019</b> , 90, 413-430   | 4.3 | 17 |
| 43 | 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> , <b>2017</b> , 7, 2240   | 4.9 | 17 |
| 42 | 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> , <b>2018</b> , 88, 104-113 | 3.2 | 16 |
| 41 | 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> , <b>2015</b> , 570, 78-88  | 3.8 | 15 |
| 40 | 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> , <b>2020</b> , 98, 564-573   | 4.3 | 14 |

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| 39 | Gene expression analysis of isolated salmonid GALT leucocytes in response to PAMPs and recombinant cytokines. <i>Fish and Shellfish Immunology</i> , <b>2018</b> , 80, 426-436  | 4.3 | 13 |
| 38 | Molecular characterisation of four class 2 cytokine receptor family members in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , <b>2015</b> , 48, 43-54  | 3.2 | 12 |
| 37 | 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> , <b>2018</b> , 80, 2-14  | 3.2 | 12 |
| 36 | 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> , <b>2016</b> , 50, 142-9   | 4.3 | 12 |
| 35 | Molecular characterization and expression analysis of the putative interleukin 6 receptor (IL-6R) and glycoprotein-130) in rainbow trout ( <i>Oncorhynchus mykiss</i> ): salmonid IL-6R possesses a polymorphic N-terminal Ig domain with variable numbers of two repeats. <i>Immunogenetics</i> , <b>2012</b> , 64, 229-44 | 3.2 | 12 |
| 34 | 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> , <b>2019</b> , 85, 199-215                                      | 1.9 | 12 |
| 33 | Characterisation of the TNF superfamily members CD40L and BAFF in the small-spotted catshark ( <i>Scyliorhinus canicula</i> ). <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 47, 381-9   | 4.3 | 11 |
| 32 | B cell receptor accessory molecule CD79 characterisation and expression analysis in a cartilaginous fish, the spiny dogfish ( <i>Squalus acanthias</i> ). <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 34, 1404-1543  | 4.3 | 11 |
| 31 | Cloning and expression analysis of the transforming growth factor-beta receptors type 1 and 2 in the rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 37, 115-26  | 3.2 | 11 |
| 30 | 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> , <b>2020</b> , 126, 154898  | 4   | 11 |
| 29 | Vertebrate Cytokines and Their Evolution <b>2016</b> , 87-150   |     | 11 |
| 28 | Characterisation of arginase paralogues in salmonids and their modulation by immune stimulation/infection. <i>Fish and Shellfish Immunology</i> , <b>2017</b> , 61, 138-151   | 4.3 | 10 |
| 27 | 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> , <b>2016</b> , 11, e0147181   | 3.7 | 10 |
| 26 | Effects of repeated anaesthesia on gill and general health of Atlantic salmon, <i>Salmo salar</i> . <i>Journal of Fish Biology</i> , <b>2018</b> , 93, 1069-1081  | 1.9 | 10 |
| 25 | 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> , <b>2015</b> , 44, 389-98  | 4.3 | 9  |
| 24 | 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> , <b>2019</b> , 101, 103454  | 3.2 | 9  |
| 23 | Five subfamilies of defensin genes are present in salmonids: Evolutionary insights and expression analysis in Atlantic salmon <i>Salmo salar</i> . <i>Developmental and Comparative Immunology</i> , <b>2020</b> , 104, 103560  | 3.2 | 9  |
| 22 | An insight into piscidins: The discovery, modulation and bioactivity of greater amberjack, <i>Seriola dumerili</i> , piscidin. <i>Molecular Immunology</i> , <b>2019</b> , 114, 378-388   | 4.3 | 8  |

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| 21 | Induction of IL-22 protein and IL-22-producing cells in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , <b>2019</b> , 101, 103449   | 3.2 | 8 |
| 20 | Molecular characterization and expression analysis of four fish-specific CC chemokine receptors CCR4La, CCR4Lc1, CCR4Lc2 and CCR11 in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , <b>2017</b> , 68, 411-427   | 4.3 | 8 |
| 19 | 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> , <b>2020</b> , 103, 103502  | 3.2 | 8 |
| 18 | Immune response and protective efficacy of two new adjuvants, Montanide ISA 763B VG and Montanide GEL02, administered with a <i>Streptococcus agalactiae</i> ghost vaccine in Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Fish and Shellfish Immunology</i> , <b>2021</b> , 116, 19-29                                       | 4.3 | 8 |
| 17 | Different origins of paralogues of salmonid TNF1 and TNF2: Characterisation and expression analysis of four TNF receptor genes in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , <b>2019</b> , 99, 103403  | 3.2 | 7 |
| 16 | Characterization and expression analysis of chemokine-like receptor 3 gene in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Fisheries Science</i> , <b>2016</b> , 82, 613-622  | 1.9 | 7 |
| 15 | Ancient Cytokine Interleukin 15-Like (IL-15L) Induces a Type 2 Immune Response. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 549319  | 8.4 | 7 |
| 14 | 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> , <b>2019</b> , 93, 631-640 | 4.3 | 6 |
| 13 | Revisiting the Teleost Thymus: Current Knowledge and Future Perspectives. <i>Biology</i> , <b>2020</b> , 10,   | 4.9 | 6 |
| 12 | 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> , <b>2020</b> , 105, 378-392   | 4.3 | 5 |
| 11 | Molecular and cellular characterization of European sea bass CD3 <sup>+</sup> lymphocytes and their modulation by microalgal feed supplementation. <i>Cell and Tissue Research</i> , <b>2021</b> , 384, 149-165  | 4.2 | 5 |
| 10 | Four selenoprotein P genes exist in salmonids: Analysis of their origin and expression following Se supplementation and bacterial infection. <i>PLoS ONE</i> , <b>2018</b> , 13, e0209381  | 3.7 | 5 |
| 9  | Immune-modulation of two BATF3 paralogues in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Molecular Immunology</i> , <b>2018</b> , 99, 104-114  | 4.3 | 4 |
| 8  | 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> , <b>2020</b> , 111, 103752  | 3.2 | 3 |
| 7  | Montanide 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> , <b>2021</b> , 114, 171-183   | 4.3 | 3 |
| 6  | Immune gene profiling of different gut regions and gut associated lymphoid cells from rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 53, 112   | 4.3 | 2 |
| 5  | Type I Interferon Regulates the Survival and Functionality of B Cells in Rainbow Trout. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1494  | 8.4 | 2 |
| 4  | Molecular, Cellular and Functional Analysis of TR $\beta$ Chain along the European Sea Bass Development. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,  | 6.3 | 2 |



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| 3 | The first functional characterization of ancient interleukin-15-like (IL-15L) reveals shared and distinct functions of the IL-2, -15 and -15L family cytokines                |     | 1 |
| 2 | Characterisation and analysis of IFN-gamma producing cells in rainbow trout <i>Oncorhynchus mykiss</i> .<br><i>Fish and Shellfish Immunology</i> , <b>2021</b> , 117, 328-338 | 4.3 | 1 |
| 1 | CD38 Defines a Subset of B Cells in Rainbow Trout Kidney With High IgM Secreting Capacities..<br><i>Frontiers in Immunology</i> , <b>2021</b> , 12, 773888                    | 8.4 | 0 |