

Bertrand Collet

List of Publications by Year in descending order

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76
papers

3,148
citations

125748

32
h-index

151510

54
g-index

80
all docs

80
docs citations

80
times ranked

2200
citing authors

#	ARTICLE	IF	CITATIONS
1	Lost and Found: The Family of NF- κ B Inhibitors Is Larger than Assumed in Salmonid Fish. <i>International Journal of Molecular Sciences</i> , 2023, 24, 10229.	4.2	4
2	The repertoire of vertebrate STAT transcription factors: Origin and variations in fish. <i>Developmental and Comparative Immunology</i> , 2021, 116, 103929.	2.2	12
3	Antiviral Actions of 25-Hydroxycholesterol in Fish Vary With the Virus-Host Combination. <i>Frontiers in Immunology</i> , 2021, 12, 581786.	4.8	10
4	Evolution of the IRF Family in Salmonids. <i>Genes</i> , 2021, 12, 238.	2.4	10
5	Non-Lethal Sequential Individual Monitoring of Viremia in Relation to DNA Vaccination in Fish—Example Using a Salmon Alphavirus DNA Vaccine in Atlantic Salmon <i>Salmo salar</i> . <i>Vaccines</i> , 2021, 9, 163.	4.5	3
6	PIAS Factors from Rainbow Trout Control NF- κ B- and STAT-Dependent Gene Expression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12815.	4.2	5
7	Detection of specific Atlantic salmon antibodies against salmonid alphavirus using a bead-based immunoassay. <i>Fish and Shellfish Immunology</i> , 2020, 106, 374-383.	3.7	8
8	Combining Multiple Approaches and Models to Dissect the Genetic Architecture of Resistance to Infections in Fish. <i>Frontiers in Genetics</i> , 2020, 11, 677.	2.3	55
9	Efficient CRISPR/Cas9 genome editing in a salmonid fish cell line using a lentivirus delivery system. <i>BMC Biotechnology</i> , 2020, 20, 35.	3.4	44
10	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.	3.7	5
11	DNA vaccination for finfish aquaculture. <i>Fish and Shellfish Immunology</i> , 2019, 85, 106-125.	3.7	54
12	Viral Resistance and IFN Signaling in STAT2 Knockout Fish Cells. <i>Journal of Immunology</i> , 2019, 203, 465-475.	0.8	55
13	A Deficit of CEACAM-1-Expressing T Lymphocytes Supports Inflammation in Primary Progressive Multiple Sclerosis. <i>Journal of Immunology</i> , 2019, 203, 76-83.	0.8	12
14	Individual monitoring of immune response in Atlantic salmon <i>Salmo salar</i> following experimental infection with piscine myocarditis virus (PMCV), agent of cardiomyopathy syndrome (CMS). <i>Developmental and Comparative Immunology</i> , 2019, 99, 103406.	2.2	5
15	IFN Signaling in Inflammation and Viral Infections: New Insights from Fish Models. <i>Viruses</i> , 2019, 11, 302.	3.4	28
16	The potential benefits of repeated measure experiments for fish disease-challenge host-pathogen investigations. <i>Fish and Shellfish Immunology</i> , 2019, 85, 126-131.	3.7	4
17	Engineered cell lines for fish health research. <i>Developmental and Comparative Immunology</i> , 2018, 80, 34-40.	2.2	35
18	Use of Salmon Cardiac Primary Cultures (SCPCs) of different genotypes for comparative kinetics of mx expression, viral load and ultrastructure pathology, after infection with Salmon Pancreas Disease Virus (SPDV). <i>Fish and Shellfish Immunology</i> , 2018, 72, 181-186.	3.7	2

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19	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.	1.5	15
20	Production of infectious salmon anaemia virus (ISAV) ribonucleoprotein complexes using a mammalian cell based minigenome system. <i>Journal of Virological Methods</i> , 2017, 239, 75-82.	2.1	1
21	Atlantic salmon cardiac primary cultures: An in vitro model to study viral host pathogen interactions and pathogenesis. <i>PLoS ONE</i> , 2017, 12, e0181058.	2.5	8
22	Development of an Efficient Genome Editing Method by CRISPR/Cas9 in a Fish Cell Line. <i>Marine Biotechnology</i> , 2016, 18, 449-452.	2.3	54
23	In vivo virulence of viral haemorrhagic septicaemia virus (VHSV) in rainbow trout <i>Oncorhynchus mykiss</i> correlates inversely with in vitro Mx gene expression. <i>Veterinary Microbiology</i> , 2016, 187, 31-40.	1.9	17
24	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.	3.7	23
25	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.	2.2	33
26	Individual measurement of gene expression in blood cells from Rainbow trout <i>Oncorhynchus mykiss</i> (Walbaum). <i>Journal of Experimental and Applied Animal Sciences</i> , 2016, 2, 1.	0.2	12
27	Individual Monitoring of Immune Response in Atlantic Salmon <i>Salmo salar</i> following Experimental Infection with Infectious Salmon Anaemia Virus (ISAV). <i>PLoS ONE</i> , 2015, 10, e0137767.	2.5	28
28	The effects of feeding immunostimulant β -glucan on the immune response of Pangasianodon hypophthalmus. <i>Fish and Shellfish Immunology</i> , 2015, 45, 357-366.	3.7	61
29	The effects of feeding β -glucan to Pangasianodon hypophthalmus on immune gene expression and resistance to <i>Edwardsiella ictaluri</i> . <i>Fish and Shellfish Immunology</i> , 2015, 47, 595-605.	3.7	27
30	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.	2.2	17
31	Dual Mutation Events in the Haemagglutinin-Esterase and Fusion Protein from an Infectious Salmon Anaemia Virus HPRO Genotype Promote Viral Fusion and Activation by an Ubiquitous Host Protease. <i>PLoS ONE</i> , 2015, 10, e0142020.	2.5	17
32	Isolation and activity of the promoters for STAT1 and 2 in Atlantic salmon <i>Salmo salar</i> . <i>Fish and Shellfish Immunology</i> , 2014, 40, 644-647.	3.7	9
33	Innate immune responses of salmonid fish to viral infections. <i>Developmental and Comparative Immunology</i> , 2014, 43, 160-173.	2.2	83
34	Deletions in the highly polymorphic region (HPR) of infectious salmon anaemia virus HPRO haemagglutinin-esterase enhance viral fusion and influence the interaction with the fusion protein. <i>Journal of General Virology</i> , 2014, 95, 1015-1024.	2.9	18
35	Optimisation and standardisation of functional immune assays for striped catfish (<i>Pangasianodon</i>) Tj ETQq1 1 0.784314 rgBT /Overlook models of infection and vaccination. <i>Fish and Shellfish Immunology</i> , 2014, 40, 374-383.	3.7	49
36	Differential response of the Senegalese sole (<i>Solea senegalensis</i>) Mx promoter to viral infections in two salmonid cell lines. <i>Veterinary Immunology and Immunopathology</i> , 2014, 161, 251-257.	1.2	5

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37	Comparison of complete polyprotein sequences of two isolates of salmon alphavirus (SAV) type I and their behaviour in a salmonid cell line. Archives of Virology, 2013, 158, 2143-2146.	1.9	9
38	A method to measure an indicator of viraemia in Atlantic salmon using a reporter cell line. Journal of Virological Methods, 2013, 191, 113-117.	2.1	12
39	A strand specific real-time RT-PCR method for the targeted detection of the three species (vRNA, cRNA) Tj ETQq1 1 0.784314 rgBT /O 2013, 187, 65-71.	2.1	16
40	Structural and functional characterization of the Senegalese sole (<i>Solea senegalensis</i>) Mx promoter. Fish and Shellfish Immunology, 2013, 35, 1642-1648.	3.7	15
41	Intracellular Interferons in Fish: A Unique Means to Combat Viral Infection. PLoS Pathogens, 2013, 9, e1003736.	4.0	61
42	A review of the risk posed to Scottish mollusc aquaculture from <i>Bonamia</i> , <i>Marteilia</i> and oyster herpesvirus. Aquaculture, 2012, 370-371, 7-13.	3.5	33
43	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. Developmental and Comparative Immunology, 2012, 37, 402-413.	2.2	38
44	Development of an in vitro system to measure the sensitivity to the antiviral Mx protein of fish viruses. Journal of Virological Methods, 2012, 182, 1-8.	2.1	39
45	Establishment of an Atlantic salmon kidney cell line with an inducible gene expression system. Journal of Biotechnology, 2011, 154, 209-211.	3.9	8
46	Expression and Functional Characterization of the RIG-I-Like Receptors MDA5 and LGP2 in Rainbow Trout (<i>Oncorhynchus mykiss</i>). Journal of Virology, 2011, 85, 8403-8412.	3.4	211
47	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- γ , IL-10, and IL-22. Journal of Immunology, 2011, 186, 708-721.	0.8	163
48	Molecular cloning and characterization of interferon regulatory factors 4 and 8 (IRF-4 and IRF-8) in rainbow trout, <i>Oncorhynchus mykiss</i> . Fish and Shellfish Immunology, 2010, 29, 157-166.	3.7	64
49	Ubiquitin E3 ligase atrogin-1 (Fbox-32) in Atlantic salmon (<i>Salmo salar</i>): Sequence analysis, genomic structure and modulation of expression. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 157, 364-373.	1.7	31
50	Identification of an additional two-cysteine containing type I interferon in rainbow trout <i>Oncorhynchus mykiss</i> provides evidence of a major gene duplication event within this gene family in teleosts. Immunogenetics, 2009, 61, 315-325.	2.5	78
51	Isolation and expression profile of a gene encoding for the Signal Transducer and Activator of Transcription STAT2 in Atlantic salmon (<i>Salmo salar</i>). Developmental and Comparative Immunology, 2009, 33, 821-829.	2.2	21
52	Induction and persistence of Mx protein in tissues, blood and plasma of Atlantic salmon parr, <i>Salmo salar</i> , injected with poly I:C. Fish and Shellfish Immunology, 2009, 26, 40-48.	3.7	23
53	Comparative gene expression profile in two Atlantic salmon cell lines TO and SHK-1. Veterinary Immunology and Immunopathology, 2009, 130, 92-95.	1.2	21
54	Expression of interferon and interferon α induced genes in Atlantic salmon <i>Salmo salar</i> cell lines SHK-1 and TO following infection with Salmon AlphaVirus SAV. Fish and Shellfish Immunology, 2009, 26, 672-675.	3.7	26

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55	Isolation of an Atlantic salmon (<i>Salmo salar</i>) signal transducer and activator of transcription STAT1 gene: Kinetics of expression upon ISAV or IPNV infection. <i>Fish and Shellfish Immunology</i> , 2008, 25, 861-867.	3.7	31
56	Development of a sensitive and controlled real-time RT-PCR assay for viral haemorrhagic septicaemia virus (VHSV) in marine salmonid aquaculture. <i>Diseases of Aquatic Organisms</i> , 2008, 80, 137-144.	1.0	39
57	Infectious pancreatic necrosis virus suppresses type I interferon signalling in rainbow trout gonad cell line but not in Atlantic salmon macrophages. <i>Fish and Shellfish Immunology</i> , 2007, 22, 44-56.	3.7	68
58	A recombinant CHSE-214 cell line expressing an Mx1 promoter-reporter system responds to both interferon type I and type II from salmonids and represents a versatile tool to study the IFN-system in teleost fish. <i>Fish and Shellfish Immunology</i> , 2007, 23, 1294-1303.	3.7	51
59	Evaluation and development of diagnostic methods for <i>Renibacterium salmoninarum</i> causing bacterial kidney disease (BKD) in the UK. <i>Aquaculture</i> , 2007, 269, 114-122.	3.5	49
60	Identification of an interferon antagonist protein encoded by segment 7 of infectious salmon anaemia virus. <i>Virus Research</i> , 2006, 115, 176-184.	2.3	69
61	Identification and Bioactivities of IFN- β in Rainbow Trout (<i>Oncorhynchus mykiss</i>): The First Th1-Type Cytokine Characterized Functionally in Fish. <i>Journal of Immunology</i> , 2005, 175, 2484-2494.	0.8	358
62	Cloning of the Atlantic salmon (<i>Salmo salar</i>) IL-1 receptor associated protein. <i>Fish and Shellfish Immunology</i> , 2005, 19, 53-65.	3.7	18
63	Construction and analysis of a secreting expression vector for fish cells. <i>Vaccine</i> , 2005, 23, 1534-1539.	3.9	7
64	Homologs of CD83 from Elasmobranch and Teleost Fish. <i>Journal of Immunology</i> , 2004, 173, 4553-4560.	0.8	73
65	An Mx1 promoter-reporter system to study interferon pathways in rainbow trout. <i>Developmental and Comparative Immunology</i> , 2004, 28, 793-801.	2.2	76
66	Analysis and characterisation of IL-1 β processing in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Fish and Shellfish Immunology</i> , 2004, 16, 453-459.	3.7	40
67	CpG oligodeoxynucleotides stimulate immune cell proliferation but not specific antibody production in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Veterinary Immunology and Immunopathology</i> , 2004, 101, 211-222.	1.2	38
68	Quantification of Atlantic salmon type-I interferon using an Mx1 promoter reporter gene assay. <i>Fish and Shellfish Immunology</i> , 2004, 16, 173-184.	3.7	33
69	Cloning and expression analysis of rainbow trout <i>Oncorhynchus mykiss</i> interferon regulatory factor 1 and 2 (IRF-1 and IRF-2). <i>Developmental and Comparative Immunology</i> , 2003, 27, 111-126.	2.2	99
70	The promoter for the Interferon Regulatory Factor (IRF)-2 in the rainbow trout <i>Oncorhynchus mykiss</i> : cloning and reporter gene activity. <i>Fish and Shellfish Immunology</i> , 2003, 15, 473-477.	3.7	17
71	Fish Cytokine Genes. , 2003, , 277-285.		0
72	Type I-interferon signalling in fish. <i>Fish and Shellfish Immunology</i> , 2002, 12, 389-397.	3.7	56

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73	The rainbow trout (<i>Oncorhynchus mykiss</i>) Mx1 promoter Structural and functional characterization. FEBS Journal, 2001, 268, 1577-1584.	0.4	61
74	Relationship between pre- and post-metamorphic growth in the Pacific oyster <i>Crassostrea gigas</i> (Thunberg). Aquaculture, 1999, 175, 215-226.	3.5	30
75	Differentiation between populations of the Portuguese oyster, <i>Crassostrea angulata</i> (Lamarck) and the Pacific oyster, <i>Crassostrea gigas</i> (Thunberg), revealed by mtDNA RFLP analysis. Journal of Experimental Marine Biology and Ecology, 1998, 226, 279-291.	1.5	140
76	Salmonid Double-stranded RNAâ€“Dependent Protein Kinase Activates Apoptosis and Inhibits Protein Synthesis. Journal of Immunology, 0, , .	0.8	0