

Bertrand Collet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8519552/publications.pdf>

Version: 2024-02-01

98
papers

4,282
citations

94381

37
h-index

118793

62
g-index

99
all docs

99
docs citations

99
times ranked

2574
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.4	355
2	Expression and Functional Characterization of the RIG-I-Like Receptors MDA5 and LGP2 in Rainbow Trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Virology</i> , 2011, 85, 8403-8412.	1.5	206
3	High variance in reproductive success of the Pacific oyster (<i>Crassostrea gigas</i> , Thunberg) revealed by microsatellite-based parentage analysis of multifactorial crosses. <i>Aquaculture</i> , 2002, 204, 283-296.	1.7	200
4	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- β , IL-10, and IL-22. <i>Journal of Immunology</i> , 2011, 186, 708-721.	0.4	163
5	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
6	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. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 226, 279-291.	0.7	139
7	Expression kinetics of interferon and interferon-induced genes in Atlantic salmon (<i>Salmo salar</i>) following infection with infectious pancreatic necrosis virus and infectious salmon anaemia virus. <i>Fish and Shellfish Immunology</i> , 2007, 22, 230-241.	1.6	135
8	Molecular characterization of IRF3 and IRF7 in rainbow trout, <i>Oncorhynchus mykiss</i> : Functional analysis and transcriptional modulation. <i>Molecular Immunology</i> , 2008, 46, 269-285.	1.0	125
9	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.	1.0	98
10	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
11	The rainbow trout (<i>Oncorhynchus mykiss</i>)Mx1 promoter. <i>FEBS Journal</i> , 2001, 268, 1577-1584.	0.2	84
12	Innate immune responses of salmonid fish to viral infections. <i>Developmental and Comparative Immunology</i> , 2014, 43, 160-173.	1.0	80
13	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. <i>Immunogenetics</i> , 2009, 61, 315-325.	1.2	77
14	Identification and characterisation of TLR18-21 genes in Atlantic salmon (<i>Salmo salar</i>). <i>Fish and Shellfish Immunology</i> , 2014, 41, 549-559.	1.6	77
15	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
16	Homologs of CD83 from Elasmobranch and Teleost Fish. <i>Journal of Immunology</i> , 2004, 173, 4553-4560.	0.4	72
17	Identification of an interferon antagonist protein encoded by segment 7 of infectious salmon anaemia virus. <i>Virus Research</i> , 2006, 115, 176-184.	1.1	68
18	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.	1.6	67

#	ARTICLE	IF	CITATIONS
19	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> , 2010, 29, 157-166.	1.6	64
20	Intracellular Interferons in Fish: A Unique Means to Combat Viral Infection. <i>PLoS Pathogens</i> , 2013, 9, e1003736.	2.1	61
21	The rainbow trout (<i>Oncorhynchus mykiss</i>) Mx1 promoter Structural and functional characterization. <i>FEBS Journal</i> , 2001, 268, 1577-1584.	0.2	61
22	The effects of feeding immunostimulant β -glucan on the immune response of <i>Pangasianodon hypophthalmus</i> . <i>Fish and Shellfish Immunology</i> , 2015, 45, 357-366.	1.6	59
23	Expression of the glycoprotein of viral haemorrhagic septicaemia virus (VHSV) on the surface of the fish cell line RTG-P1 induces type 1 interferon expression in neighbouring cells. <i>Fish and Shellfish Immunology</i> , 2006, 21, 272-278.	1.6	57
24	Type I-interferon signalling in fish. <i>Fish and Shellfish Immunology</i> , 2002, 12, 389-397.	1.6	55
25	The protective mechanisms induced by a fish rhabdovirus DNA vaccine depend on temperature. <i>Vaccine</i> , 2009, 27, 3870-3880.	1.7	55
26	Combining Multiple Approaches and Models to Dissect the Genetic Architecture of Resistance to Infections in Fish. <i>Frontiers in Genetics</i> , 2020, 11, 677.	1.1	53
27	Viral Resistance and IFN Signaling in STAT2 Knockout Fish Cells. <i>Journal of Immunology</i> , 2019, 203, 465-475.	0.4	52
28	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.	1.6	51
29	DNA vaccination for finfish aquaculture. <i>Fish and Shellfish Immunology</i> , 2019, 85, 106-125.	1.6	51
30	An assessment of immunostimulants as Mx inducers in Atlantic salmon (<i>Salmo salar</i> L.) parr and the effect of temperature on the kinetics of Mx responses. <i>Fish and Shellfish Immunology</i> , 2004, 17, 159-170.	1.6	50
31	Expression of Mx mRNA following infection with IPNV is greater in IPN-susceptible Atlantic salmon post-smolts than in IPN-resistant Atlantic salmon parr. <i>Fish and Shellfish Immunology</i> , 2007, 22, 151-156.	1.6	49
32	Optimisation and standardisation of functional immune assays for striped catfish (<i>Pangasianodon</i>) models of infection and vaccination. <i>Fish and Shellfish Immunology</i> , 2014, 40, 374-383.	1.6	49
33	Development of an Efficient Genome Editing Method by CRISPR/Cas9 in a Fish Cell Line. <i>Marine Biotechnology</i> , 2016, 18, 449-452.	1.1	49
34	Identifying potential virulence determinants in viral haemorrhagic septicaemia virus (VHSV) for rainbow trout. <i>Diseases of Aquatic Organisms</i> , 2009, 86, 205-212.	0.5	49
35	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.	1.7	48
36	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.	1.6	40

#	ARTICLE	IF	CITATIONS
37	Efficient CRISPR/Cas9 genome editing in a salmonid fish cell line using a lentivirus delivery system. <i>BMC Biotechnology</i> , 2020, 20, 35.	1.7	39
38	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.	0.5	38
39	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.	0.5	38
40	Development of an in vitro system to measure the sensitivity to the antiviral Mx protein of fish viruses. <i>Journal of Virological Methods</i> , 2012, 182, 1-8.	1.0	37
41	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> , 2012, 37, 402-413.	1.0	36
42	Quantification of Atlantic salmon type-I interferon using an Mx1 promoter reporter gene assay. <i>Fish and Shellfish Immunology</i> , 2004, 16, 173-184.	1.6	33
43	A review of the risk posed to Scottish mollusc aquaculture from <i>Bonamia</i> , <i>Marteilia</i> and oyster herpesvirus. <i>Aquaculture</i> , 2012, 370-371, 7-13.	1.7	33
44	Engineered cell lines for fish health research. <i>Developmental and Comparative Immunology</i> , 2018, 80, 34-40.	1.0	33
45	Histology, immunocytochemistry and qRT-PCR analysis of Atlantic salmon, <i>Salmo salar</i> L., post-smolts following infection with infectious pancreatic necrosis virus (IPNV). <i>Journal of Fish Diseases</i> , 2010, 33, 803-818.	0.9	32
46	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
47	Ubiquitin E3 ligase atrogin-1 (Fbox-32) in Atlantic salmon (<i>Salmo salar</i>): Sequence analysis, genomic structure and modulation of expression. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 157, 364-373.	0.7	31
48	Relationship between pre- and post-metamorphic growth in the Pacific oyster <i>Crassostrea gigas</i> (Thunberg). <i>Aquaculture</i> , 1999, 175, 215-226.	1.7	29
49	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.	1.6	29
50	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.	1.1	28
51	IFN Signaling in Inflammation and Viral Infections: New Insights from Fish Models. <i>Viruses</i> , 2019, 11, 302.	1.5	28
52	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. <i>Fish and Shellfish Immunology</i> , 2009, 26, 672-675.	1.6	26
53	The effects of feeding β -glucan to <i>Pangasianodon hypophthalmus</i> on immune gene expression and resistance to <i>Edwardsiella ictaluri</i> . <i>Fish and Shellfish Immunology</i> , 2015, 47, 595-605.	1.6	25
54	Respiratory time activity of the Japanese oyster <i>Crassostrea gigas</i> (Thunberg). <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 219, 205-216.	0.7	24

#	ARTICLE	IF	CITATIONS
55	Induction and persistence of Mx protein in tissues, blood and plasma of Atlantic salmon parr, <i>Salmo salar</i> , injected with poly I:C. <i>Fish and Shellfish Immunology</i> , 2009, 26, 40-48.	1.6	23
56	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
57	Expression kinetics of ISG15 and viral major capsid protein (VP2) in Atlantic cod (<i>Gadus morhua</i> L.) fry following infection with infectious pancreatic necrosis virus (IPNV). <i>Fish and Shellfish Immunology</i> , 2007, 23, 825-830.	1.6	22
58	Isolation and expression profile of a gene encoding for the Signal Transducer and Activator of Transcription STAT2 in Atlantic salmon (<i>Salmo salar</i>). <i>Developmental and Comparative Immunology</i> , 2009, 33, 821-829.	1.0	21
59	Comparative gene expression profile in two Atlantic salmon cell lines TO and SHK-1. <i>Veterinary Immunology and Immunopathology</i> , 2009, 130, 92-95.	0.5	21
60	Interferon response following infection with genetically similar isolates of viral haemorrhagic septicaemia virus (VHSV) exhibiting contrasting virulence in rainbow trout. <i>Fish and Shellfish Immunology</i> , 2011, 30, 287-294.	1.6	20
61	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.	1.6	17
62	Deletions in the highly polymorphic region (HPR) of infectious salmon anaemia virus HPRO haemagglutininâ€ esterase enhance viral fusion and influence the interaction with the fusion protein. <i>Journal of General Virology</i> , 2014, 95, 1015-1024.	1.3	17
63	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.	0.8	17
64	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.	1.1	17
65	Cloning of the Atlantic salmon (<i>Salmo salar</i>) IL-1 receptor associated protein. <i>Fish and Shellfish Immunology</i> , 2005, 19, 53-65.	1.6	16
66	Expression of interferon type I and II, Mx and Î³IP genes in the kidney of Atlantic salmon, <i>Salmo salar</i> , is induced during smolting. <i>Fish and Shellfish Immunology</i> , 2007, 23, 514-520.	1.6	16
67	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.	1.0	16
68	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
69	Genomic Tools for Examining Immune Gene Function in Salmonid Fish. <i>Reviews in Fisheries Science</i> , 2008, 16, 112-118.	2.1	15
70	Structural and functional characterization of the Senegalese sole (<i>Solea senegalensis</i>) Mx promoter. <i>Fish and Shellfish Immunology</i> , 2013, 35, 1642-1648.	1.6	15
71	Effects of repeated anaesthesia on gill and general health of Atlantic salmon, <sc><i>Salmo salar</i></sc>. <i>Journal of Fish Biology</i> , 2018, 93, 1069-1081.	0.7	14
72	Individual growth variation and its relationship with survival in juvenile Pacific oysters, <i>Crassostrea gigas</i> (Thunberg). <i>Aquaculture International</i> , 2003, 11, 429-448.	1.1	13

#	ARTICLE	IF	CITATIONS
73	A sensitive loop-mediated isothermal amplification (LAMP) method for detection of <i>Renibacterium salmoninarum</i> , causative agent of bacterial kidney disease in salmonids. <i>Journal of Fish Diseases</i> , 2009, 32, 491-497.	0.9	13
74	Expression of Mx protein in tissues of Atlantic salmon post-smolts – An immunohistochemical study. <i>Fish and Shellfish Immunology</i> , 2007, 23, 1209-1217.	1.6	12
75	A method to measure an indicator of viraemia in Atlantic salmon using a reporter cell line. <i>Journal of Virological Methods</i> , 2013, 191, 113-117.	1.0	12
76	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
77	The effect of sub-culturing on the basal level of type I interferon (IFN) gene expression in the Salmon Head Kidney (SHK-1) cell line. <i>Fish and Shellfish Immunology</i> , 2009, 27, 535-538.	1.6	11
78	The repertoire of vertebrate STAT transcription factors: Origin and variations in fish. <i>Developmental and Comparative Immunology</i> , 2021, 116, 103929.	1.0	11
79	Establishment of a Chinook salmon cell line with an inducible gene expression system. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2011, 47, 695-697.	0.7	9
80	Comparison of complete polyprotein sequences of two isolates of salmon alphavirus (SAV) type I and their behaviour in a salmonid cell line. <i>Archives of Virology</i> , 2013, 158, 2143-2146.	0.9	9
81	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.	1.6	9
82	Antiviral Actions of 25-Hydroxycholesterol in Fish Vary With the Virus-Host Combination. <i>Frontiers in Immunology</i> , 2021, 12, 581786.	2.2	9
83	Evolution of the IRF Family in Salmonids. <i>Genes</i> , 2021, 12, 238.	1.0	9
84	Induction of Mx protein in Atlantic cod with poly I:C: Immuno-cross reactive studies of antibodies to Atlantic salmon Mx with Atlantic cod. <i>Fish and Shellfish Immunology</i> , 2008, 25, 321-324.	1.6	8
85	Establishment of an Atlantic salmon kidney cell line with an inducible gene expression system. <i>Journal of Biotechnology</i> , 2011, 154, 209-211.	1.9	8
86	Detection of specific Atlantic salmon antibodies against salmonid alphavirus using a bead-based immunoassay. <i>Fish and Shellfish Immunology</i> , 2020, 106, 374-383.	1.6	8
87	Construction and analysis of a secreting expression vector for fish cells. <i>Vaccine</i> , 2005, 23, 1534-1539.	1.7	7
88	Atlantic salmon cardiac primary cultures: An in vitro model to study viral host pathogen interactions and pathogenesis. <i>PLoS ONE</i> , 2017, 12, e0181058.	1.1	7
89	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.	0.5	5
90	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

#	ARTICLE	IF	CITATIONS
91	PIAS Factors from Rainbow Trout Control NF- κ B- and STAT-Dependent Gene Expression. International Journal of Molecular Sciences, 2021, 22, 12815.	1.8	5
92	The potential benefits of repeated measure experiments for fish disease-challenge host-pathogen investigations. Fish and Shellfish Immunology, 2019, 85, 126-131.	1.6	4
93	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). Developmental and Comparative Immunology, 2019, 99, 103406.	1.0	3
94	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). Fish and Shellfish Immunology, 2018, 72, 181-186.	1.6	2
95	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> . Vaccines, 2021, 9, 163.	2.1	2
96	Production of infectious salmon anaemia virus (ISAV) ribonucleoprotein complexes using a mammalian cell based minigenome system. Journal of Virological Methods, 2017, 239, 75-82.	1.0	1
97	Plasmid-driven RNA interference in fish cell lines. In Vitro Cellular and Developmental Biology - Animal, 2022, 58, 189.	0.7	1
98	Fish Cytokine Genes. , 2003, , 277-285.		0