James W Wynne

List of Publications by Year
in descending order

57 papers	1,981 citations	361413 20 h-index	265206 42 g-index
63 all docs	63 docs citations	63 times ranked	2708 citing authors

#	Article	IF	Citations
1	Development of a new real-time PCR for the detection of pilchard orthomyxovirus (POMV) in apparently healthy fish. Aquaculture, 2022, 547, 737404.	3.5	0
2	Effect of a prophylactic treatment with chloramine-T on gill histology and microbiome of Atlantic salmon (Salmo salar) under commercial conditions. Aquaculture, 2022, 546, 737319.	3.5	10
3	Competing endogenous RNA-networks reveal key regulatory microRNAs involved in the response of Atlantic salmon to a novel orthomyxovirus. Developmental and Comparative Immunology, 2022, 132, 104396.	2.3	2
4	Comparison of bacterial diversity and distribution on the gills of Atlantic salmon (<i>Salmo salar</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.1	7
5	Immersion challenge of naÃ¯ve Atlantic salmon with cultured <i>Nolandella</i> sp. and <i>Pseudoparamoeba</i> sp. did not increase the severity of <i>Neoparamoeba perurans</i>â€induced amoebic gill disease (AGD). Journal of Fish Diseases, 2021, 44, 149-160.	1.9	5
6	Seawater transmission and infection dynamics of pilchard orthomyxovirus (POMV) in Atlantic salmon (<i>Salmo salar</i>). Journal of Fish Diseases, 2021, 44, 73-88.	1.9	7
7	Evaluation of sodium percarbonate as a bath treatment for amoebic gill disease in Atlantic salmon. Aquaculture Research, 2021, 52, 117-129.	1.8	5
8	Searching for the sweet spot of amoebic gill disease of farmed Atlantic salmon: the potential role of glycan-lectin interactions in the adhesion of Neoparamoeba perurans. International Journal for Parasitology, 2021, 51, 545-557.	3.1	3
9	First detection of a novel â€˜unknown hostâ€™ flavivirus in a Malaysian rodent. Access Microbiology, 2021, 3, 000223.	0.5	1
10	Evaluation of the Infectious Potential of Neoparamoeba perurans Following Freshwater Bathing Treatments. Microorganisms, 2021, 9, 967.	3.6	2
11	The ability of Neoparamoeba perurans to bind to and digest nonâ€fishâ€derived mucin: Insights into the amoebaâ€™s mechanism of action to overcome gill mucus production. Journal of Fish Diseases, 2021, 44, 1355-1367.	1.9	3
12	Host-Parasite Interaction of Atlantic salmon (Salmo salar) and the Ectoparasite Neoparamoeba perurans in Amoebic Gill Disease. Frontiers in Immunology, 2021, 12, 672700.	4.8	22
13	The Effect of Antimicrobial Treatment upon the Gill Bacteriome of Atlantic Salmon (Salmo salar L.) and Progression of Amoebic Gill Disease (AGD) In Vivo. Microorganisms, 2021, 9, 987.	3.6	11
14	Dead or alive: microbial viability treatment reveals both active and inactive bacterial constituents in the fish gut microbiota. Journal of Applied Microbiology, 2021, 131, 2528-2538.	3.1	8
15	Will Australiaâ€™s common carp (Cyprinus carpio) populations develop resistance to Cyprinid herpesvirus 3 (CyHV-3) if released as a biocontrol agent? Identification of pathways and knowledge gaps. Biological Control, 2021, 157, 104571.	3.0	2
16	Hydrogen peroxide treatment of Atlantic salmon temporarily decreases oxygen consumption but has negligible effects on hypoxia tolerance and aerobic performance. Aquaculture, 2021, 540, 736676.	3.5	8
17	Novacqâ„¢ improves survival of Penaeus vannamei when challenged with pathogenic Vibrio parahaemolyticus causing acute hepatopancreatic necrosis disease. Aquaculture, 2021, 545, 737235.	3.5	4
18	Profiling Branchial Bacteria of Atlantic Salmon (Salmo salar L.) Following Exposure to Antimicrobial Agents. Frontiers in Animal Science, 2021, 2, .	1.9	4

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19	A microbial sea of possibilities: current knowledge and prospects for an improved understanding of the fish microbiome. Reviews in Aquaculture, 2020, 12, 1101-1134.	9.0	117
20	The interaction between temperature and dose on the efficacy and biochemical response of Atlantic salmon to hydrogen peroxide treatment for amoebic gill disease. Journal of Fish Diseases, 2020, 43, 39-48.	1.9	17
21	Microbial biomass, marine invertebrate meals and feed restriction influence the biological and gut microbiota response of shrimp Penaeus monodon. Aquaculture, 2020, 520, 734679.	3.5	30
22	Transcriptome Response of Atlantic Salmon (Salmo salar) to a New Piscine Orthomyxovirus. Pathogens, 2020, 9, 807.	2.8	10
23	Gill Mucus and Gill Mucin O-glycosylation in Healthy and Amebic Gill Disease-Affected Atlantic Salmon. Microorganisms, 2020, 8, 1871.	3.6	10
24	A High Throughput Viability Screening Method for the Marine Ectoparasite Neoparamoeba perurans. Protist, 2020, 171, 125773.	1.5	6
25	Bacteriomic Profiling of Branchial Lesions Induced by Neoparamoeba perurans Challenge Reveals Commensal Dysbiosis and an Association with Tenacibaculum dicentrarchi in AGD-Affected Atlantic Salmon (Salmo salar L.). Microorganisms, 2020, 8, 1189.	3.6	22
26	Antibiotic-induced alterations and repopulation dynamics of yellowtail kingfish microbiota. Animal Microbiome, 2020, 2, 26.	3.8	23
27	Investigating Both Mucosal Immunity and Microbiota in Response to Gut Enteritis in Yellowtail Kingfish. Microorganisms, 2020, 8, 1267.	3.6	22
28	Comparative transcriptome analysis of pilchard orthomyxovirus (POMV) and infectious salmon anaemia virus (ISAV). Fish and Shellfish Immunology, 2020, 105, 415-426.	3.6	8
29	Pilchard orthomyxovirus (POMV). I. Characterisation of an emerging virus isolated from pilchards Sardinops sagax and Atlantic salmon Salmo salar. Diseases of Aquatic Organisms, 2020, 139, 35-50.	1.0	10
30	A diversity of amoebae colonise the gills of farmed Atlantic salmon (Salmo salar) with amoebic gill disease (AGD). European Journal of Protistology, 2019, 67, 27-45.	1.5	49
31	Prevalence of six amoeba species colonising the gills of farmed Atlantic salmon with amoebic gill disease (AGD) using qPCR. Aquaculture Environment Interactions, 2019, 11, 405-415.	1.8	10
32	Low incidence of recurrent Buruli ulcers in treated Australian patients living in an endemic region. PLoS Neglected Tropical Diseases, 2018, 12, e0006724.	3.0	4
33	Comparative Transcriptomics Highlights the Role of the Activator Protein 1 Transcription Factor in the Host Response to Ebolavirus. Journal of Virology, 2017, 91, .	3.4	27
34	Gene expression analysis of whole blood RNA from pigs infected with low and high pathogenic African swine fever viruses. Scientific Reports, 2017, 7, 10115.	3.3	45
35	Proteomics informed by transcriptomics for characterising differential cellular susceptibility to Nelson Bay orthoreovirus infection. BMC Genomics, 2017, 18, 615.	2.8	6
36	Exposure Risk for Infection and Lack of Human-to-Human Transmission of<i>Mycobacterium ulcerans</i>Disease, Australia. Emerging Infectious Diseases, 2017, 23, 837-840.	4.3	24

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37	Evolution and comparative analysis of the bat MHC-I region. Scientific Reports, 2016, 6, 21256.	3.3	56
38	Characterization of the Antigen Processing Machinery and Endogenous Peptide Presentation of a Bat MHC Class I Molecule. Journal of Immunology, 2016, 196, 4468-4476.	0.8	30
39	Contraction of the type I IFN locus and unusual constitutive expression of<i>IFN-Î±</i>in bats. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2696-2701.	7.1	272
40	Proteomic analysis of Pteropus alecto kidney cells in response to the viral mimic, Poly I:C. Proteome Science, 2015, 13, 25.	1.7	6
41	Mouse fibroblast L929 cells are less permissive to infection by Nelson Bay orthoreovirus compared to other mammalian cell lines. Journal of General Virology, 2015, 96, 1787-1794.	2.9	9
42	Proteomics informed by transcriptomics reveals Hendra virus sensitizes bat cells to TRAIL-mediated apoptosis. Genome Biology, 2014, 15, 532.	8.8	42
43	Sensory Rewiring in an Echolocator: Genome-Wide Modification of Retinogenic and Auditory Genes in the Bat <i>Myotis davidii</i>. G3: Genes, Genomes, Genetics, 2014, 4, 1825-1835.	1.8	5
44	SNP genotyping of animal and human derived isolates of Mycobacterium avium subsp. paratuberculosis. Veterinary Microbiology, 2014, 172, 479-485.	1.9	2
45	Proteomics informed by transcriptomics reveals Hendra virus sensitizes bat cells to TRAIL mediated apoptosis. Genome Biology, 2014, 15, 532.	9.6	30
46	Comparative Analysis of Bat Genomes Provides Insight into the Evolution of Flight and Immunity. Science, 2013, 339, 456-460.	12.6	522
47	Bats and Viruses: Friend or Foe?. PLoS Pathogens, 2013, 9, e1003651.	4.7	65
48	Purification and Characterisation of Immunoglobulins from the Australian Black Flying Fox (Pteropus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf e52930.	2.5	26
49	Production and proteomic characterisation of purified protein derivative from Mycobacterium avium subsp. paratuberculosis. Proteome Science, 2012, 10, 22.	1.7	15
50	Exploring the Zoonotic Potential of Mycobacterium avium Subspecies paratuberculosis through Comparative Genomics. PLoS ONE, 2011, 6, e22171.	2.5	55
51	Resequencing the <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> K10 Genome: Improved Annotation and Revised Genome Sequence. Journal of Bacteriology, 2010, 192, 6319-6320.	2.2	56
52	Transcriptome Analyses of Amoebic Gill Disease-affected Atlantic Salmon (Salmo salar) Tissues Reveal Localized Host Gene Suppression. Marine Biotechnology, 2008, 10, 388-403.	2.4	83
53	Characterization of a major histocompatibility class II <i>A </i>gene (<i>Clhaâ€ĐAA</i>) with an embedded microsatellite marker in Atlantic herring (<i>Clupea harengus </i>L.). Journal of Fish Biology, 2008, 73, 367-381.	1.6	2
54	Resistance to amoebic gill disease (AGD) is characterised by the transcriptional dysregulation of immune and cell cycle pathways. Developmental and Comparative Immunology, 2008, 32, 1539-1560.	2.3	46

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55	Genetic variation of resistance to amoebic gill disease in Atlantic salmon (Salmo salar) assessed in a challenge system. Aquaculture, 2007, 272, S94-S99.	3.5	46
56	Major histocompatibility polymorphism associated with resistance towards amoebic gill disease in Atlantic salmon (Salmo salar L.). Fish and Shellfish Immunology, 2007, 22, 707-717.	3.6	60
57	Allelic and haplotypic diversity at the major histocompatibility class II within domesticated Australian Atlantic salmon (Salmo salar L.). Journal of Fish Biology, 2007, 70, 45-59.	1.6	6