

# James W Wynne

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Comparative Analysis of Bat Genomes Provides Insight into the Evolution of Flight and Immunity. <i>Science</i> , 2013, 339, 456-460.  | 12.6 | 522       |
| 2  | Contraction of the type I IFN locus and unusual constitutive expression of <i>IFN-1</i> in bats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2696-2701. | 7.1  | 272       |
| 3  | A microbial sea of possibilities: current knowledge and prospects for an improved understanding of the fish microbiome. <i>Reviews in Aquaculture</i> , 2020, 12, 1101-1134.                                    | 9.0  | 117       |
| 4  | Transcriptome Analyses of Amoebic Gill Disease-affected Atlantic Salmon ( <i>Salmo salar</i> ) Tissues Reveal Localized Host Gene Suppression. <i>Marine Biotechnology</i> , 2008, 10, 388-403.                 | 2.4  | 83        |
| 5  | Bats and Viruses: Friend or Foe?. <i>PLoS Pathogens</i> , 2013, 9, e1003651.  | 4.7  | 65        |
| 6  | Major histocompatibility polymorphism associated with resistance towards amoebic gill disease in Atlantic salmon ( <i>Salmo salar</i> L.). <i>Fish and Shellfish Immunology</i> , 2007, 22, 707-717.            | 3.6  | 60        |
| 7  | Resequencing the <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> K10 Genome: Improved Annotation and Revised Genome Sequence. <i>Journal of Bacteriology</i> , 2010, 192, 6319-6320.                  | 2.2  | 56        |
| 8  | Evolution and comparative analysis of the bat MHC-I region. <i>Scientific Reports</i> , 2016, 6, 21256.   | 3.3  | 56        |
| 9  | Exploring the Zoonotic Potential of <i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> through Comparative Genomics. <i>PLoS ONE</i> , 2011, 6, e22171.  | 2.5  | 55        |
| 10 | A diversity of amoebae colonise the gills of farmed Atlantic salmon ( <i>Salmo salar</i> ) with amoebic gill disease (AGD). <i>European Journal of Protistology</i> , 2019, 67, 27-45.                          | 1.5  | 49        |
| 11 | Genetic variation of resistance to amoebic gill disease in Atlantic salmon ( <i>Salmo salar</i> ) assessed in a challenge system. <i>Aquaculture</i> , 2007, 272, S94-S99.                                      | 3.5  | 46        |
| 12 | Resistance to amoebic gill disease (AGD) is characterised by the transcriptional dysregulation of immune and cell cycle pathways. <i>Developmental and Comparative Immunology</i> , 2008, 32, 1539-1560.        | 2.3  | 46        |
| 13 | Gene expression analysis of whole blood RNA from pigs infected with low and high pathogenic African swine fever viruses. <i>Scientific Reports</i> , 2017, 7, 10115.  | 3.3  | 45        |
| 14 | Proteomics informed by transcriptomics reveals Hendra virus sensitizes bat cells to TRAIL-mediated apoptosis. <i>Genome Biology</i> , 2014, 15, 532.  | 8.8  | 42        |
| 15 | Characterization of the Antigen Processing Machinery and Endogenous Peptide Presentation of a Bat MHC Class I Molecule. <i>Journal of Immunology</i> , 2016, 196, 4468-4476.                                    | 0.8  | 30        |
| 16 | Microbial biomass, marine invertebrate meals and feed restriction influence the biological and gut microbiota response of shrimp <i>Penaeus monodon</i> . <i>Aquaculture</i> , 2020, 520, 734679.               | 3.5  | 30        |
| 17 | Proteomics informed by transcriptomics reveals Hendra virus sensitizes bat cells to TRAIL mediated apoptosis. <i>Genome Biology</i> , 2014, 15, 532.  | 9.6  | 30        |
| 18 | Comparative Transcriptomics Highlights the Role of the Activator Protein 1 Transcription Factor in the Host Response to Ebolavirus. <i>Journal of Virology</i> , 2017, 91, .                                    | 3.4  | 27        |

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|----|---|-----|-----------|
| 19 | Purification and Characterisation of Immunoglobulins from the Australian Black Flying Fox ( <i>Pteropus</i> ) Tj ETQq1 1 0.784314 rgBT /Ove<br>e52930.  | 2.5 | 26        |
| 20 | Exposure Risk for Infection and Lack of Human-to-Human Transmission of <i>Mycobacterium ulcerans</i> Disease, Australia. <i>Emerging Infectious Diseases</i> , 2017, 23, 837-840.   | 4.3 | 24        |
| 21 | Antibiotic-induced alterations and repopulation dynamics of yellowtail kingfish microbiota. <i>Animal Microbiome</i> , 2020, 2, 26.   | 3.8 | 23        |
| 22 | Bacteriomic Profiling of Branchial Lesions Induced by <i>Neoparamoeba perurans</i> Challenge Reveals Commensal Dysbiosis and an Association with <i>Tenacibaculum dicentrarchi</i> in AGD-Affected Atlantic Salmon ( <i>Salmo salar</i> L.). <i>Microorganisms</i> , 2020, 8, 1189. | 3.6 | 22        |
| 23 | Investigating Both Mucosal Immunity and Microbiota in Response to Gut Enteritis in Yellowtail Kingfish. <i>Microorganisms</i> , 2020, 8, 1267.  | 3.6 | 22        |
| 24 | Host-Parasite Interaction of Atlantic salmon ( <i>Salmo salar</i> ) and the Ectoparasite <i>Neoparamoeba perurans</i> in Amoebic Gill Disease. <i>Frontiers in Immunology</i> , 2021, 12, 672700.   | 4.8 | 22        |
| 25 | The interaction between temperature and dose on the efficacy and biochemical response of Atlantic salmon to hydrogen peroxide treatment for amoebic gill disease. <i>Journal of Fish Diseases</i> , 2020, 43, 39-48.  | 1.9 | 17        |
| 26 | Production and proteomic characterisation of purified protein derivative from <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>Proteome Science</i> , 2012, 10, 22.   | 1.7 | 15        |
| 27 | The Effect of Antimicrobial Treatment upon the Gill Bacteriome of Atlantic Salmon ( <i>Salmo salar</i> L.) and Progression of Amoebic Gill Disease (AGD) In Vivo. <i>Microorganisms</i> , 2021, 9, 987.   | 3.6 | 11        |
| 28 | Transcriptome Response of Atlantic Salmon ( <i>Salmo salar</i> ) to a New Piscine Orthomyxovirus. <i>Pathogens</i> , 2020, 9, 807.  | 2.8 | 10        |
| 29 | Gill Mucus and Gill Mucin O-glycosylation in Healthy and Amebic Gill Disease-Affected Atlantic Salmon. <i>Microorganisms</i> , 2020, 8, 1871.   | 3.6 | 10        |
| 30 | Effect of a prophylactic treatment with chloramine-T on gill histology and microbiome of Atlantic salmon ( <i>Salmo salar</i> ) under commercial conditions. <i>Aquaculture</i> , 2022, 546, 737319.  | 3.5 | 10        |
| 31 | Prevalence of six amoeba species colonising the gills of farmed Atlantic salmon with amoebic gill disease (AGD) using qPCR. <i>Aquaculture Environment Interactions</i> , 2019, 11, 405-415.  | 1.8 | 10        |
| 32 | Pilchard orthomyxovirus (POMV). I. Characterisation of an emerging virus isolated from pilchards <i>Sardinops sagax</i> and Atlantic salmon <i>Salmo salar</i> . <i>Diseases of Aquatic Organisms</i> , 2020, 139, 35-50.   | 1.0 | 10        |
| 33 | Mouse fibroblast L929 cells are less permissive to infection by Nelson Bay orthoreovirus compared to other mammalian cell lines. <i>Journal of General Virology</i> , 2015, 96, 1787-1794.  | 2.9 | 9         |
| 34 | Comparative transcriptome analysis of pilchard orthomyxovirus (POMV) and infectious salmon anaemia virus (ISAV). <i>Fish and Shellfish Immunology</i> , 2020, 105, 415-426.   | 3.6 | 8         |
| 35 | Dead or alive: microbial viability treatment reveals both active and inactive bacterial constituents in the fish gut microbiota. <i>Journal of Applied Microbiology</i> , 2021, 131, 2528-2538.   | 3.1 | 8         |
| 36 | Hydrogen peroxide treatment of Atlantic salmon temporarily decreases oxygen consumption but has negligible effects on hypoxia tolerance and aerobic performance. <i>Aquaculture</i> , 2021, 540, 736676.  | 3.5 | 8         |

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|----|---|-----|-----------|
| 37 | Comparison of bacterial diversity and distribution on the gills of Atlantic salmon ( <i>Salmo salar</i> ) Tj ETQq1 1 0.784314 rgBT /Ove   | 3.1 | 7         |
| 38 | 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         |
| 39 | Allelic and haplotypic diversity at the major histocompatibility class II within domesticated Australian Atlantic salmon ( <i>Salmo salar</i> L.). Journal of Fish Biology, 2007, 70, 45-59.  | 1.6 | 6         |
| 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 | Proteomics informed by transcriptomics for characterising differential cellular susceptibility to Nelson Bay orthoreovirus infection. BMC Genomics, 2017, 18, 615.  | 2.8 | 6         |
| 42 | A High Throughput Viability Screening Method for the Marine Ectoparasite Neoparamoeba perurans. Protist, 2020, 171, 125773.   | 1.5 | 6         |
| 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 | Immersion challenge of naïve Atlantic salmon with cultured <i>Nolandella</i> sp. and <i>Pseudoparamoeba</i> sp. did not increase the severity of <i>Neoparamoeba perurans</i> -induced amoebic gill disease (AGD). Journal of Fish Diseases, 2021, 44, 149-160. | 1.9 | 5         |
| 45 | Evaluation of sodium percarbonate as a bath treatment for amoebic gill disease in Atlantic salmon. Aquaculture Research, 2021, 52, 117-129.   | 1.8 | 5         |
| 46 | 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         |
| 47 | Novacqâ„¢ improves survival of <i>Penaeus vannamei</i> when challenged with pathogenic <i>Vibrio parahaemolyticus</i> causing acute hepatopancreatic necrosis disease. Aquaculture, 2021, 545, 737235.  | 3.5 | 4         |
| 48 | Profiling Branchial Bacteria of Atlantic Salmon ( <i>Salmo salar</i> L.) Following Exposure to Antimicrobial Agents. Frontiers in Animal Science, 2021, 2, .  | 1.9 | 4         |
| 49 | Searching for the sweet spot of amoebic gill disease of farmed Atlantic salmon: the potential role of glycan-lectin interactions in the adhesion of <i>Neoparamoeba perurans</i> . International Journal for Parasitology, 2021, 51, 545-557.                   | 3.1 | 3         |
| 50 | The ability of <i>Neoparamoeba perurans</i> to bind to and digest non-fish-derived mucin: Insights into the amoeba's mechanism of action to overcome gill mucus production. Journal of Fish Diseases, 2021, 44, 1355-1367.                                      | 1.9 | 3         |
| 51 | Characterization of a major histocompatibility class II <i>A</i> gene ( <i>Clhâ€DAA</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         |
| 52 | SNP genotyping of animal and human derived isolates of <i>Mycobacterium avium</i> subsp. paratuberculosis. Veterinary Microbiology, 2014, 172, 479-485.   | 1.9 | 2         |
| 53 | Evaluation of the Infectious Potential of <i>Neoparamoeba perurans</i> Following Freshwater Bathing Treatments. Microorganisms, 2021, 9, 967.   | 3.6 | 2         |
| 54 | Will Australia's common carp ( <i>Cyprinus carpio</i> ) 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         |

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|----|---|-----|-----------|
| 55 | Competing endogenous RNA-networks reveal key regulatory microRNAs involved in the response of Atlantic salmon to a novel orthomyxovirus. <i>Developmental and Comparative Immunology</i> , 2022, 132, 104396. | 2.3 | 2         |
| 56 | First detection of a novel "unknown host"™ flavivirus in a Malaysian rodent. <i>Access Microbiology</i> , 2021, 3, 000223.  | 0.5 | 1         |
| 57 | Development of a new real-time PCR for the detection of pilchard orthomyxovirus (POMV) in apparently healthy fish. <i>Aquaculture</i> , 2022, 547, 737404.  | 3.5 | 0         |