

Richard Whittington

List of Publications by Year in descending order

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68
papers

2,887
citations

201674

27
h-index

168389

53
g-index

69
all docs

69
docs citations

69
times ranked

2122
citing authors

#	ARTICLE	IF	CITATIONS
1	Does a Th1 over Th2 dominance really exist in the early stages of Mycobacterium avium subspecies paratuberculosis infections?. Immunobiology, 2011, 216, 840-846.	1.9	376
2	Comparative immunological and microbiological aspects of paratuberculosis as a model mycobacterial infection. Veterinary Immunology and Immunopathology, 2012, 148, 29-47.	1.2	310
3	Progress towards understanding the spread, detection and control of Mycobacterium avium subsp paraatuberculosis in animal populations. Australian Veterinary Journal, 2001, 79, 267-278.	1.1	222
4	Control of paratuberculosis: who, why and how. A review of 48 countries. BMC Veterinary Research, 2019, 15, 198.	1.9	219
5	ICTV Virus Taxonomy Profile: Iridoviridae. Journal of General Virology, 2017, 98, 890-891.	2.9	162
6	Descriptive epidemiology of mass mortality due to Ostreid herpesvirus-1 (OsHV-1) in commercially farmed Pacific oysters (Crassostrea gigas) in the Hawkesbury River estuary, Australia. Aquaculture, 2014, 422-423, 146-159.	3.5	93
7	Spatial distribution of mortality in Pacific oysters Crassostrea gigas: reflection on mechanisms of OsHV-1 transmission. Diseases of Aquatic Organisms, 2013, 105, 127-138.	1.0	84
8	Temporal patterns and quantification of excretion of Mycobacterium avium subsp paratuberculosis in sheep with Johne's disease. Australian Veterinary Journal, 2000, 78, 34-37.	1.1	77
9	Rapid differentiation of Australian, European and American ranaviruses based on variation in major capsid protein gene sequence. Molecular and Cellular Probes, 2002, 16, 137-151.	2.1	71
10	Molecular epidemiological confirmation and circumstances of occurrence of sheep (S) strains of Mycobacterium avium subsp. paratuberculosis in cases of paratuberculosis in cattle in Australia and sheep and cattle in Iceland. Veterinary Microbiology, 2001, 79, 311-322.	1.9	55
11	Serogroup specific single and multiplex PCR with pre-enrichment culture and immuno-magnetic bead capture for identifying strains of D. nodosus in sheep with footrot prior to vaccination. Molecular and Cellular Probes, 2002, 16, 285-296.	2.1	53
12	Influence of environmental temperature on experimental infection of redfin perch (Perca fluviatilis) and rainbow trout (Oncorhynchus mykiss) with epizootic haematopoietic necrosis virus, an Australian iridovirus. Australian Veterinary Journal, 1995, 72, 421-424.	1.1	51
13	Evaluation of a Pourquier ELISA kit in relation to agar gel immunodiffusion (AGID) test for assessment of the humoral immune response in sheep and goats with and without Mycobacterium paratuberculosis infection. Veterinary Microbiology, 2006, 115, 91-101.	1.9	49
14	Effect of water temperature on mortality of Pacific oysters Crassostrea gigas associated with microvariant ostreid herpesvirus 1 (OsHV-1 μ Var). Aquaculture Environment Interactions, 2016, 8, 419-428.	1.8	49
15	Culture Phenotypes of Genomically and Geographically Diverse Mycobacterium avium subsp. paratuberculosis Isolates from Different Hosts. Journal of Clinical Microbiology, 2011, 49, 1822-1830.	3.9	48
16	Pathology of epizootic haematopoietic necrosis virus (EHNV) infection in rainbow trout (Oncorhynchus mykiss Walbaum) and redfin perch (Perca fluviatilis L). Journal of Comparative Pathology, 1996, 115, 103-115.	0.4	46
17	Experimental infection of weaner sheep with S strain Mycobacterium avium subsp. paratuberculosis. Veterinary Microbiology, 2003, 96, 247-258.	1.9	42
18	A simple centrifugation method for improving the detection of Ostreid herpesvirus-1 (OsHV-1) in natural seawater samples with an assessment of the potential for particulate attachment. Journal of Virological Methods, 2014, 210, 59-66.	2.1	42

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19	Spread of epizootic haematopoietic necrosis virus (EHNV) in redfin perch (<i>Perca fluviatilis</i>) in southern Australia. <i>Australian Veterinary Journal</i> , 1996, 73, 112-114.	1.1	40
20	Pilot trials in Australia on eradication of footrot by flock specific vaccination. <i>Veterinary Microbiology</i> , 2008, 132, 364-371.	1.9	38
21	Genomic diversity in <i>Mycobacterium avium</i> : Single nucleotide polymorphisms between the S and C strains of <i>M. avium</i> subsp. <i>paratuberculosis</i> and with <i>M. a. avium</i> . <i>Molecular and Cellular Probes</i> , 2007, 21, 66-75.	2.1	36
22	Cross species transmission of ovine Johne's disease from sheep to cattle: an estimate of prevalence in exposed susceptible cattle. <i>Australian Veterinary Journal</i> , 2008, 86, 117-123.	1.1	36
23	Further observations on the epidemiology and spread of epizootic haematopoietic necrosis virus (EHNV) in farmed rainbow trout <i>Oncorhynchus mykiss</i> in southeastern Australia and a recommended sampling strategy for surveillance. <i>Diseases of Aquatic Organisms</i> , 1999, 35, 125-130.	1.0	34
24	Outbreak-specific monovalent/bivalent vaccination to control and eradicate virulent ovine footrot. <i>Vaccine</i> , 2013, 31, 1701-1706.	3.8	33
25	Both age and size influence susceptibility of Pacific oysters (<i>Crassostrea gigas</i>) to disease caused by Ostreid herpesvirus -1 (OsHV-1) in replicated field and laboratory experiments. <i>Aquaculture</i> , 2018, 489, 110-120.	3.5	31
26	Transmission of Ostreid herpesvirus-1 in <i>Crassostrea gigas</i> by cohabitation: effects of food and number of infected donor oysters. <i>Aquaculture Environment Interactions</i> , 2015, 7, 281-295.	1.8	31
27	The interleukin 10 response in ovine Johne's disease. <i>Veterinary Immunology and Immunopathology</i> , 2011, 139, 10-16.	1.2	29
28	Partial validation of a TaqMan real-time quantitative PCR for the detection of ranaviruses. <i>Diseases of Aquatic Organisms</i> , 2018, 128, 105-116.	1.0	28
29	Recurrent outbreaks of viral nervous necrosis in intensively cultured barramundi (<i>Lates calcarifer</i>) due to horizontal transmission of betanodavirus and recommendations for disease control. <i>Aquaculture</i> , 2011, 319, 41-52.	3.5	26
30	Epizootic haematopoietic necrosis virus (EHNV): improved ELISA for detection in fish tissues and cell cultures and an efficient method for release of antigen from tissues. <i>Journal of Virological Methods</i> , 1993, 43, 205-220.	2.1	25
31	Footrot vaccines and vaccination. <i>Vaccine</i> , 2014, 32, 3139-3146.	3.8	25
32	Recommended reporting standards for test accuracy studies of infectious diseases of finfish, amphibians, molluscs and crustaceans: the STRADAS-aquatic checklist. <i>Diseases of Aquatic Organisms</i> , 2016, 118, 91-111.	1.0	25
33	Counting the dead to determine the source and transmission of the marine herpesvirus OsHV-1 in <i>Crassostrea gigas</i> . <i>Veterinary Research</i> , 2018, 49, 34.	3.0	24
34	Age dependency of nervous necrosis virus infection in barramundi <i>Lates calcarifer</i> (Bloch). <i>Journal of Fish Diseases</i> , 2017, 40, 1089-1101.	1.9	23
35	Biomarker discovery for ovine paratuberculosis (Johne's disease) by proteomic serum profiling. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2011, 34, 315-326.	1.6	22
36	Detection of Ostreid herpesvirus -1 microvariants in healthy <i>Crassostrea gigas</i> following disease events and their possible role as reservoirs of infection. <i>Journal of Invertebrate Pathology</i> , 2017, 148, 20-33.	3.2	22

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37	Immunopathological changes and apparent recovery from infection revealed in cattle in an experimental model of Johne's disease using a lyophilised culture of <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Veterinary Microbiology</i> , 2018, 219, 53-62.	1.9	22
38	Defining resilience to mycobacterial disease: Characteristics of survivors of ovine paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2018, 195, 56-64.	1.2	19
39	Influence of environment on the pathogenesis of Ostreid herpesvirus-1 (OsHV-1) infections in Pacific oysters (<i>Crassostrea gigas</i>) through differential microbiome responses. <i>Heliyon</i> , 2019, 5, e02101.	3.2	19
40	Evaluation of Genotypic and Phenotypic Protease Virulence Tests for <i>Dichelobacter nodosus</i> Infection in Sheep. <i>Journal of Clinical Microbiology</i> , 2017, 55, 1313-1326.	3.9	17
41	Effects of <i>Mycobacterium avium</i> subsp. paratuberculosis infection on serum biochemistry, body weight and wool growth in Merino sheep: A longitudinal study. <i>Small Ruminant Research</i> , 2015, 125, 146-153.	1.2	16
42	Comparison of ELISA formats for detection of antibodies specific for nervous necrosis virus (Betanodavirus) in the serum of immunized barramundi <i>Lates calcarifer</i> and Australian bass <i>Macquaria novemaculeata</i> . <i>Aquaculture</i> , 2016, 451, 33-38.	3.5	15
43	Preparation of fish tissues for optimal detection of betanodavirus. <i>Aquaculture</i> , 2010, 310, 20-26.	3.5	14
44	<i>MYCOBACTERIUM AVIUM</i> SUBSPECIES <i>PARATUBERCULOSIS</i> CULTURED FROM THE FECES OF A SOUTHERN BLACK RHINOCEROS (<i>DICEROS BICORNIS MINOR</i>) WITH DIARRHEA AND WEIGHT LOSS. <i>Journal of Zoo and Wildlife Medicine</i> , 2012, 43, 391-393.	0.6	14
45	Specific faecal antibody responses in sheep infected with <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2015, 166, 125-131.	1.2	14
46	Pilus ELISA and an anamnestic test for the diagnosis of virulent ovine footrot and its application in a disease control program in Nepal. <i>Veterinary Microbiology</i> , 2001, 79, 31-45.	1.9	13
47	Distribution of Ostreid herpesvirus-1 (OsHV-1) microvariant in seawater in a recirculating aquaculture system. <i>Aquaculture</i> , 2016, 458, 21-28.	3.5	13
48	In silico screened <i>Mycobacterium avium</i> subsp. paratuberculosis (MAP) recombinant proteins upregulated under stress conditions are immunogenic in sheep. <i>Veterinary Immunology and Immunopathology</i> , 2012, 149, 186-196.	1.2	12
49	Serology in Finfish for Diagnosis, Surveillance, and Research: A Systematic Review. <i>Journal of Aquatic Animal Health</i> , 2017, 29, 1-14.	1.4	12
50	The impacts of ostreid herpesvirus 1 microvariants on Pacific oyster aquaculture in the Northern and Southern Hemispheres since 2008. <i>OIE Revue Scientifique Et Technique</i> , 2019, 38, 491-509.	1.2	12
51	Bayesian estimation of diagnostic sensitivity and specificity of a nervous necrosis virus antibody ELISA. <i>Preventive Veterinary Medicine</i> , 2016, 123, 138-142.	1.9	10
52	The microbiome of the footrot lesion in Merino sheep is characterized by a persistent bacterial dysbiosis. <i>Veterinary Microbiology</i> , 2019, 236, 108378.	1.9	10
53	Lymphoproliferative and Gamma Interferon Responses to Stress-Regulated <i>Mycobacterium avium</i> subsp. paratuberculosis Recombinant Proteins. <i>Vaccine Journal</i> , 2014, 21, 831-837.	3.1	8
54	Ovine Paratuberculosis Control in Australia Revisited. <i>Animals</i> , 2020, 10, 1623.	2.3	8

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55	Comparative Genomics of Mycobacterium avium Subspecies Paratuberculosis Sheep Strains. <i>Frontiers in Veterinary Science</i> , 2021, 8, 637637.	2.2	7
56	Whole-Genome Analysis of Mycobacterium avium subsp. paratuberculosis IS900 Insertions Reveals Strain Type-Specific Modalities. <i>Frontiers in Microbiology</i> , 2021, 12, 660002.	3.5	7
57	Molecular epidemiology of betanodavirus – Sequence analysis strategies and quasispecies influence outbreak source attribution. <i>Virology</i> , 2013, 436, 15-23.	2.4	6
58	Histopathological Characterization of Cutaneous Delayed-type Hypersensitivity and Correlations with Intestinal Pathology and Systemic Immune Responses in Sheep with Paratuberculosis. <i>Journal of Comparative Pathology</i> , 2015, 153, 67-80.	0.4	6
59	Pacific oyster mortality syndrome: a marine herpesvirus active in Australia. <i>Microbiology Australia</i> , 2016, 37, 126.	0.4	5
60	Different in vivo growth of ostreid herpesvirus 1 at 18°C and 22°C alters mortality of Pacific oysters (<i>Crassostrea gigas</i>). <i>Archives of Virology</i> , 2019, 164, 3035-3043.	2.1	5
61	Detection of ostreid herpesvirus-1 in plankton and seawater samples at an estuary scale. <i>Diseases of Aquatic Organisms</i> , 2020, 138, 1-15.	1.0	5
62	Immunoreactivity of protein tyrosine phosphatase A (PtpA) in sera from sheep infected with Mycobacterium avium subspecies paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 129-132.	1.2	4
63	Sheep and cattle exposed to Mycobacterium avium subspecies paratuberculosis exhibit altered total serum cholesterol profiles during the early stages of infection. <i>Veterinary Immunology and Immunopathology</i> , 2018, 202, 164-171.	1.2	4
64	Geographic Distribution of Epizootic haematopoietic necrosis virus (EHNV) in Freshwater Fish in South Eastern Australia: Lost Opportunity for a Notifiable Pathogen to Expand Its Geographic Range. <i>Viruses</i> , 2019, 11, 315.	3.3	3
65	Removal of oyster pathogens from seawater. <i>Environment International</i> , 2021, 150, 106258.	10.0	3
66	Humoral responses to a multivalent vaccine in age-matched lambs of different bodyweight and nutrition. <i>Research in Veterinary Science</i> , 1992, 52, 277-283.	1.9	2
67	Antigenicity in sheep of synthetic peptides derived from stress-regulated Mycobacterium avium subsp. paratuberculosis proteins and comparison with recombinant protein and complex native antigens. <i>Veterinary Immunology and Immunopathology</i> , 2014, 158, 46-52.	1.2	2
68	Efficacy of bivalent fimbrial vaccines to control and eliminate intermediate forms of footrot in sheep. <i>Australian Veterinary Journal</i> , 2022, 100, 121-129.	1.1	2