Kim D Thompson

List of Publications by Year
in descending order

111 papers	3,236 citations	159358 30 h-index	182168 51 g-index
115 all docs	115 docs citations	115 times ranked	2992 citing authors

#	Article	IF	Citations
1	Chinese herbs (Astragalus radix and Ganoderma lucidum) enhance immune response of carp, Cyprinus carpio, and protection against Aeromonas hydrophila. Fish and Shellfish Immunology, 2009, 26, 140-145.	1.6	228
2	Seasonal variation and the immune response: A fish perspective. Fish and Shellfish Immunology, 2007, 22, 695-706.	1.6	188
3	Understanding the interaction between Betanodavirus and its host for the development of prophylactic measures for viral encephalopathy and retinopathy. Fish and Shellfish Immunology, 2016, 53, 35-49.	1.6	168
4	Dietary sunflower, linseed and fish oils affect phospholipid fatty acid composition, development of cardiac lesions, phospholipase activity and eicosanoid production in Atlantic salmon (Salmo salar). Prostaglandins Leukotrienes and Essential Fatty Acids, 1993, 49, 665-673.	1.0	166
5	Effects of dietary (n-3) and (n-6) polyunsaturated fatty acid ratio on the immune response of Atlantic salmon, Salmo salar L.. Aquaculture Nutrition, 1996, 2, 21-31.	1.1	118
6	Immune responses of Nile tilapia (Oreochromis niloticus L.) clones: I. Non-specific responses. Developmental and Comparative Immunology, 2001, 25, 37-46.	1.0	99
7	Survival and replication of Piscirickettsia salmonis in rainbow trout head kidney macrophages. Fish and Shellfish Immunology, 2008, 25, 477-484.	1.6	94
8	Effects of partial substitution of dietary fish oil with blends of vegetable oils, on blood leucocyte fatty acid compositions, immune function and histology in European sea bass (Dicentrarchus labrax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	81
9	Production and efficacy of an Aeromonas hydrophila recombinant S-layer protein vaccine for fish. Vaccine, 2010, 28, 3540-3547.	1.7	77
10	The effect of seasonality on normal haematological and innate immune parameters of rainbow trout Oncorhynchus mykiss L.. Fish and Shellfish Immunology, 2008, 25, 791-799.	1.6	73
11	Complex Gill Disease: an Emerging Syndrome in Farmed Atlantic Salmon (Salmo salar L.). Journal of Comparative Pathology, 2018, 163, 23-28.	0.1	73
12	Biotechnology offers revolution to fish health management. Trends in Biotechnology, 2006, 24, 201-205.	4.9	66
13	Pseudomonas M162 confers protection against rainbow trout fry syndrome by stimulating immunity. Journal of Applied Microbiology, 2012, 113, 24-35.	1.4	63
14	The effects of feeding immunostimulant Î²-glucan on the immune response of Pangasianodon hypophthalmus. Fish and Shellfish Immunology, 2015, 45, 357-366.	1.6	59
15	Pseudomonas sp. M174 inhibits the fish pathogen Flavobacterium psychrophilum. Journal of Applied Microbiology, 2011, 111, 266-277.	1.4	58
16	Optimisation and standardisation of functional immune assays for striped catfish (Pangasianodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 models of infection and vaccination. Fish and Shellfish Immunology, 2014, 40, 374-383.	1.6	49
17	Mediterranean Aquaculture in a Changing Climate: Temperature Effects on Pathogens and Diseases of Three Farmed Fish Species. Pathogens, 2021, 10, 1205.	1.2	49
18	Immunostimulation of striped snakehead Channa striata against epizootic ulcerative syndrome. Aquaculture, 2001, 195, 1-15.	1.7	47

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19	Effects of substitution of dietary fish oil with a blend of vegetable oils on liver and peripheral blood leucocyte fatty acid composition, plasma prostaglandin E₂and immune parameters in three strains of Atlantic salmon (Salmo salar). Aquaculture Nutrition, 2009, 15, 596-607.	1.1	41
20	The search for the IFN-Î³ receptor in fish: Functional and expression analysis of putative binding and signalling chains in rainbow trout Oncorhynchus mykiss. Developmental and Comparative Immunology, 2009, 33, 920-931.	1.0	41
21	Dietary organic chromium supplementation and its effect on the immune response of rainbow trout (Oncorhynchus mykiss). Fish and Shellfish Immunology, 2001, 11, 371-382.	1.6	40
22	Tissue distribution of Red Spotted Grouper Nervous Necrosis Virus (RGNNV) genome in experimentally infected juvenile European seabass (Dicentrarchus labrax). Veterinary Microbiology, 2011, 154, 86-95.	0.8	40
23	Isolation and characterization of pathogenicVibrio parahaemolyticus from diseased post-larvae of abalone Haliotis diversicolor supertexta. Journal of Basic Microbiology, 2007, 47, 84-86.	1.8	39
24	Development of diagnostics for aquaculture: challenges and opportunities. Aquaculture Research, 2011, 42, 93-102.	0.9	39
25	Reclassification of Francisella noatunensis subsp. orientalis Ottem et al. 2009 as Francisella orientalis sp. nov., Francisella noatunensis subsp. chilensis subsp. nov. and emended description of Francisella noatunensis. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2034-2048.	0.8	38
26	Confirmation of Piscirickettsia salmonis as a pathogen in European sea bass Dicentrarchus labrax and phylogenetic comparison with salmonid strains. Diseases of Aquatic Organisms, 2005, 64, 107-119.	0.5	37
27	Genetic and serological diversity of Flavobacterium psychrophilum isolates from salmonids in United Kingdom. Veterinary Microbiology, 2017, 201, 216-224.	0.8	35
28	Immune Response of Rainbow Trout to Extracellular Products ofMycobacteriumspp.. Journal of Aquatic Animal Health, 1996, 8, 216-222.	0.6	34
29	A comparison of the response of diploid and triploid Atlantic salmon (Salmo salar) siblings to a commercial furunculosis vaccine and subsequent experimental infection with Aeromonas salmonicida. Fish and Shellfish Immunology, 2016, 57, 301-308.	1.6	34
30	Adhesion of the fish pathogen Flavobacterium psychrophilum to unfertilized eggs of rainbow trout (Oncorhynchus mykiss) and n-hexadecane. Letters in Applied Microbiology, 2001, 33, 178-182.	1.0	31
31	Efficacy and safety of a non-mineral oil adjuvanted injectable vaccine for the protection of Atlantic salmon (Salmo salar L.) against Flavobacterium psychrophilum. Fish and Shellfish Immunology, 2019, 85, 44-51.	1.6	30
32	The Importance of Porins and Î²-Lactamase in Outer Membrane Vesicles on the Hydrolysis of Î²-Lactam Antibiotics. International Journal of Molecular Sciences, 2020, 21, 2822.	1.8	30
33	Purification of Piscirickettsia salmonis and associated phage particles. Diseases of Aquatic Organisms, 2001, 44, 231-235.	0.5	28
34	Histological evaluation of soya bean-induced enteritis in Atlantic salmon (Salmo salar L.): Quantitative image analysis vs. semi-quantitative visual scoring. Aquaculture, 2015, 445, 42-56.	1.7	28
35	Starvation of Flavobacterium psychrophilum in broth, stream water and distilled water. Diseases of Aquatic Organisms, 2003, 56, 115-126.	0.5	28
36	Transcriptomic analysis of the host response to early stage salmonid alphavirus (SAV-1) infection in Atlantic salmon Salmo salar L.. Fish and Shellfish Immunology, 2012, 32, 796-807.	1.6	27

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37	Efficacy of an inactivated whole-cell injection vaccine for nile tilapia, Oreochromis niloticus (L), against multiple isolates of Francisella noatunensis subsp. orientalis from diverse geographical regions. Fish and Shellfish Immunology, 2019, 89, 217-227.	1.6	27
38	The effects of feeding Î²-glucan to Pangasianodon hypophthalmus on immune gene expression and resistance to Edwardsiella ictaluri. Fish and Shellfish Immunology, 2015, 47, 595-605.	1.6	25
39	Biofilm formation ofFlavobacterium psychrophilumon various substrates. Aquaculture Research, 2018, 49, 3830-3837.	0.9	25
40	Efficacy of heatâ€killed and formalinâ€killed vaccines against Tilapia tilapinevirus in juvenile Nile tilapia (Oreochromis niloticus). Journal of Fish Diseases, 2021, 44, 2097-2109.	0.9	25
41	Mycobacterium stomatepiae sp. nov., a slowly growing, non-chromogenic species isolated from fish. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 2821-2827.	0.8	24
42	Distribution of red-spotted grouper nervous necrosis virus (RGNNV) antigens in nervous and non-nervous organs of European seabass (Dicentrarchus labrax) during the course of an experimental challenge. Journal of Veterinary Science, 2012, 13, 355.	0.5	24
43	The adjuvant effect of low frequency ultrasound when applied with an inactivated Aeromonas salmonicida vaccine to rainbow trout (Oncorhynchus mykiss). Vaccine, 2015, 33, 1369-1374.	1.7	23
44	Whole cell inactivated autogenous vaccine effectively protects red Nile tilapia (Oreochromis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 1191-1200.	0.9	23
45	Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for the Detection ofAeromonas salmonicidain Fish Tissue. Journal of Aquatic Animal Health, 1990, 2, 281-288.	0.6	22
46	The immune response of rainbow trout (Oncorhynchus mykiss) againstAphanomyces invadans. Fish and Shellfish Immunology, 1999, 9, 195-210.	1.6	22
47	Differences in the antibody response and survival of genetically different varieties of common carp (Cyprinus carpio L.) vaccinated with a commercial Aeromonas salmonicida/A. hydrophila vaccine and challenged with A. hydrophila. Fish Physiology and Biochemistry, 2009, 35, 677-682.	0.9	22
48	Effect of macrophages and serum of fish susceptible or resistant to epizootic ulcerative syndrome (EUS) on the EUS pathogen, Aphanomyces invadans. Fish and Shellfish Immunology, 2001, 11, 569-584.	1.6	21
49	Modulation of the mucosal immune response of red tilapia (Oreochromis sp.) against columnaris disease using a biomimetic-mucoadhesive nanovaccine. Fish and Shellfish Immunology, 2021, 112, 81-91.	1.6	20
50	Immunofluorescence of the epizootic ulcerative syndrome pathogen, Aphanomyces invadans, using a monoclonal antibody. Diseases of Aquatic Organisms, 2003, 55, 77-84.	0.5	19
51	Development of a monoclonal antibody against the CD3Îµ of olive flounder (Paralichthys olivaceus) and its application in evaluating immune response related to CD3Îµ. Fish and Shellfish Immunology, 2017, 65, 179-185.	1.6	19
52	The antibody response of snakehead,Channa striataBloch, toAphanomyces invaderis. Fish and Shellfish Immunology, 1997, 7, 349-353.	1.6	18
53	Streptococcus agalactiae infection kills red tilapia with chronic Francisella noatunensis infection more rapidly than the fish without the infection. Fish and Shellfish Immunology, 2018, 81, 221-232.	1.6	18
54	Pattern Recognition by Melanoma Differentiation-Associated Gene 5 (Mda5) in Teleost Fish: A Review. Frontiers in Immunology, 2019, 10, 906.	2.2	18

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55	Detection of the florfenicol resistance gene floR in Chryseobacterium isolates from rainbow trout. Exception to the general rule?. FEMS Microbiology Ecology, 2017, 93, .	1.3	17
56	A Polyphasic Approach for Phenotypic and Genetic Characterization of the Fastidious Aquatic Pathogen Francisella noatunensis subsp. orientalis. Frontiers in Microbiology, 2017, 8, 2324.	1.5	17
57	Efficacy of Feed-Based Formalin-Killed Vaccine of Streptococcus iniae Stimulates the Gut-Associated Lymphoid Tissues and Immune Response of Red Hybrid Tilapia. Vaccines, 2021, 9, 51.	2.1	17
58	A comparison of the lipid composition of peripheral blood cells and head kidney leucocytes of Atlantic salmon (Salmo salar L.). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 112, 83-92.	0.7	16
59	Immersion Vaccination by a Biomimetic-Mucoadhesive Nanovaccine Induces Humoral Immune Response of Red Tilapia (Oreochromis sp.) against Flavobacterium columnare Challenge. Vaccines, 2021, 9, 1253.	2.1	16
60	Protein expression by Aeromonas hydrophila during growth in vitro and in vivo. Microbial Pathogenesis, 2008, 45, 60-69.	1.3	15
61	Comparative evaluation of Polymerase Chain Reactionâ€“Restriction Enzyme Analysis (PRA) and sequencing of heat shock protein 65 (hsp65) gene for identification of aquatic mycobacteria. Journal of Microbiological Methods, 2009, 76, 128-135.	0.7	15
62	Expression of immunogenic structural proteins of cyprinid herpesvirus 3 in vitro assessed using immunofluorescence. Veterinary Research, 2016, 47, 8.	1.1	15
63	The effects of increasing dietary levels of soy protein concentrate (SPC) on the immune responses and disease resistance (furunculosis) of vaccinated and non-vaccinated Atlantic salmon (Salmo salar L.) parr. Fish and Shellfish Immunology, 2016, 59, 83-94.	1.6	15
64	The association between virulence and cell surface characteristics of Aeromonas salmonicida. Aquaculture, 1988, 69, 1-14.	1.7	14
65	Efficacy of a polyvalent injectable vaccine against Flavobacterium psychrophilum administered to rainbow trout (Oncorhynchus mykiss L.). Journal of Fish Diseases, 2019, 42, 229-236.	0.9	14
66	Characterization of CD4-Positive Lymphocytes in the Antiviral Response of Olive Flounder (Paralichthys oliveceus) to Nervous Necrosis Virus. International Journal of Molecular Sciences, 2020, 21, 4180.	1.8	14
67	Mucosal responses of brownâ€marbled grouper Epinephelus fuscoguttatus (ForsskÃ¥l, 1775) following intraperitoneal infection with Vibrio harveyi. Journal of Fish Diseases, 2020, 43, 1249-1258.	0.9	13
68	Impact of Salmonid alphavirus infection in diploid and triploid Atlantic salmon (Salmo salar L.) fry. PLoS ONE, 2017, 12, e0179192.	1.1	13
69	Membrane vesicles from antibiotic-resistant Staphylococcus aureus transfer antibiotic-resistance to antibiotic-susceptible Escherichia coli. Journal of Applied Microbiology, 2022, 132, 2746-2759.	1.4	13
70	Characterization of the outer membrane proteome ofFrancisella noatunensissubsp.orientalis. Journal of Applied Microbiology, 2018, 125, 686-699.	1.4	12
71	Investigating the involvement of a Midichloria -like organism (MLO) in red mark syndrome in rainbow trout Oncorhynchus mykiss. Aquaculture, 2020, 528, 735485.	1.7	12
72	Current Trends in Immunotherapy and Vaccine Development for Bacterial Diseases of Fish. Molecular Aspects of Fish and Marine Biology, 2004, , 313-362.	0.2	12

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73	Concurrent injection of a rhabdovirus-specific DNA vaccine with a polyvalent, oil-adjuvanted vaccine delays the specific anti-viral immune response in Atlantic salmon, Salmo salar L.. Fish and Shellfish Immunology, 2010, 28, 579-586.	1.6	10
74	Pathogenesis of experimental salmonid alphavirus infection in vivo: an ultrastructural insight. Veterinary Research, 2016, 47, 7.	1.1	10
75	Evaluation of PCR primers targeting thegroELgene for the specific detection ofStreptococcus agalactiaein the context of aquaculture. Journal of Applied Microbiology, 2018, 125, 666-674.	1.4	10
76	Involvement of CD4-1â€˜T cells in the cellular immune response of olive flounder (Paralichthys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 infection. Developmental and Comparative Immunology, 2020, 103, 103518.	1.0	10
77	Oral vaccination of Nile tilapia (Oreochromis niloticus) against francisellosis elevates specific antibody titres in serum and mucus. Fish and Shellfish Immunology, 2021, 113, 86-88.	1.6	10
78	Development of an immunochromatography assay kit for rapid detection of ranavirus. Journal of Virological Methods, 2015, 223, 33-39.	1.0	9
79	Vibrio parahaemolyticus Associated with Mass Mortality of Postlarval Abalone, Haliotis diversicolor supertexta (L.), in Sanya, China. Journal of the World Aquaculture Society, 2008, 39, 746-757.	1.2	8
80	Supra-physiological levels of cortisol suppress lysozyme but not the antibody response in Atlantic salmon, Salmo salar L., following vaccine injection. Aquaculture, 2010, 300, 223-230.	1.7	8
81	Development and evaluation of a quantitative polymerase chain reaction for aquatic Streptococcus agalactiae based on the groEL gene. Journal of Applied Microbiology, 2020, 129, 63-74.	1.4	8
82	Immunization of Nile Tilapia (Oreochromis niloticus) Broodstock with Tilapia Lake Virus (TiLV) Inactivated Vaccines Elicits Protective Antibody and Passive Maternal Antibody Transfer. Vaccines, 2022, 10, 167.	2.1	8
83	In vivomorphological and antigenic characteristics ofPhotobacterium damselaesubsp.piscicida. Journal of Veterinary Science, 2008, 9, 169.	0.5	7
84	Interferon-mediated host response in experimentally induced salmonid alphavirus 1 infection in Atlantic salmon (Salmo salar L.). Veterinary Immunology and Immunopathology, 2013, 155, 9-20.	0.5	7
85	The effect of dietary n-3/n-6 polyunsaturated fatty acid ratio on salmonid alphavirus subtype 1 (SAV-1) replication in tissues of experimentally infected rainbow trout (Oncorhynchus mykiss). Veterinary Microbiology, 2015, 178, 19-30.	0.8	7
86	Red mark syndrome â€“ Current state of knowledge. Aquaculture, 2022, 549, 737748.	1.7	7
87	Development of a quantitative semi-automated system for intestinal morphology assessment in Atlantic salmon, using image analysis. Aquaculture, 2015, 442, 100-111.	1.7	6
88	Examination of entry portal and pathogenesis of Edwardsiella ictaluri infection in striped catfish, Pangasianodon hypophthalmus. Aquaculture, 2016, 464, 279-285.	1.7	6
89	Globular-shaped variable lymphocyte receptors B antibody multimerized by a hydrophobic clustering in hagfish. Scientific Reports, 2018, 8, 10801.	1.6	6
90	Poly (I:C)-Potentiated Vaccination Enhances T Cell Response in Olive Flounder (Paralichthys olivaceus) Providing Protection against Viral Hemorrhagic Septicemia Virus (VHSV). Vaccines, 2021, 9, 482.	2.1	6

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91	Improved purification of Piscirickettsia salmonis using Percoll gradients. Journal of Microbiological Methods, 2006, 66, 251-262.	0.7	5
92	Complete Genome Sequences of Three Fish-Associated Streptococcus agalactiae Isolates. Genome Announcements, 2018, 6, .	0.8	5
93	Characterization of Hagfish (Eptatretus burgeri) Variable Lymphocyte Receptorâ€“Based Antibody and Its Potential Role in the Neutralization of Nervous Necrosis Virus. Journal of Immunology, 2020, 204, 718-725.	0.4	5
94	Elucidating the Functional Roles of Helper and Cytotoxic T Cells in the Cell-Mediated Immune Responses of Olive Flounder (Paralichthys olivaceus). International Journal of Molecular Sciences, 2021, 22, 847.	1.8	5
95	A Comparison of Sialic Acid between Different Isolates of Photobacterium damselae subsp. piscicida.. Fish Pathology, 2001, 36, 217-224.	0.4	4
96	Expression and characterization of monomeric variable lymphocyte receptor B specific to the glycoprotein of viral hemorrhagic septicemia virus (VHSV). Journal of Immunological Methods, 2018, 462, 48-53.	0.6	4
97	Passive Immunization with Recombinant Antibody VLRB-PirAvp/PirBvpâ€”Enriched Feeds against Vibrio parahaemolyticus Infection in Litopenaeus vannamei Shrimp. Vaccines, 2021, 9, 55.	2.1	4
98	Development and evaluation of colloidal gold immunochromatography test strip for rapid diagnosis of nervous necrosis virus in golden grey mullet (Chelon aurata). Journal of Fish Diseases, 2021, 44, 783-791.	0.9	4
99	Early Immune Modulation in European Seabass (Dicentrarchus labrax) Juveniles in Response to Betanodavirus Infection. Fishes, 2022, 7, 63.	0.7	4
100	Localisation of antigens in the gut post-challenge with Streptococcus iniae in vaccinated and non-vaccinated red hybrid tilapia (Oreochromis sp.). Aquaculture International, 2020, 28, 1739-1752.	1.1	3
101	Advances in diagnostic methods for mollusc, crustacean and finfish diseases. , 2012, , 129-146.		2
102	Complete Genome Sequences of Three Streptococcus agalactiae Serotype Ia Isolates Obtained from Disease Outbreaks in Nile Tilapia (Oreochromis niloticus). Genome Announcements, 2018, 6, .	0.8	2
103	Dual functionality of lamprey VLRB C-terminus (LC) for multimerization and cell surface display. Molecular Immunology, 2018, 104, 54-60.	1.0	2
104	Comparison of histologic methods for the detection of Desmozoon lepeophtherii spores in the gills of Atlantic salmon. Journal of Veterinary Diagnostic Investigation, 2020, 32, 142-146.	0.5	2
105	Proteomic characterization of serum proteins from Atlantic salmon (Salmo salar L.) from an outbreak with cardiomyopathy syndrome. Journal of Fish Diseases, 2021, 44, 1697-1709.	0.9	2
106	Potential of DIVA Vaccines for Fish. Birkhauser Advances in Infectious Diseases, 2016, , 143-173.	0.3	1
107	Development of a modified yeast display system for screening antigen-specific variable lymphocyte receptor B in hagfish (Eptatretus burgeri). Journal of Immunological Methods, 2019, 466, 24-31.	0.6	1
108	Novel DNAâ€based in situ hybridization method to detect Desmozoon lepeophtherii in Atlantic salmon tissues. Journal of Fish Diseases, 2022, , .	0.9	1

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109	Determination of the Attachment of Photobacterium damselae subsp. piscicida to Fish Cells Using an Enzyme Linked Immunosorbent Assay.. Fish Pathology, 2001, 36, 201-206.	0.4	0
110	Editorial: The Function of Phagocytes in Non-Mammals. Frontiers in Immunology, 2020, 11, 628847.	2.2	0
111	Serological analysis of historical field samples reveals major inconsistency between PCR and antibody ELISA for establishing KHV infection status of groups and individual koi. Aquaculture, 2022, 546, 737336.	1.7	0