

Nicholas M Wade

List of Publications by Year in descending order

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58
papers

1,492
citations

331670

21
h-index

361022

35
g-index

62
all docs

62
docs citations

62
times ranked

1659
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of carotenoid utilisation and function in crustacean aquaculture. <i>Reviews in Aquaculture</i> , 2017, 9, 141-156.	9.0	126
2	Premature termination codons in PRPF31 cause retinitis pigmentosa via haploinsufficiency due to nonsense-mediated mRNA decay. <i>Journal of Clinical Investigation</i> , 2008, 118, 1519-1531.	8.2	96
3	Effects of an unprecedented summer heatwave on the growth performance, flesh colour and plasma biochemistry of marine cage-farmed Atlantic salmon (<i>Salmo salar</i>). <i>Journal of Thermal Biology</i> , 2019, 80, 64-74.	2.5	84
4	Syntaxin 7 Complexes with Mouse Vps10p Tail Interactor 1b, Syntaxin 6, Vesicle-associated Membrane Protein (VAMP)8, and VAMP7 in B16 Melanoma Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 19820-19827.	3.4	79
5	Evolution of a Novel Carotenoid-Binding Protein Responsible for Crustacean Shell Color. <i>Molecular Biology and Evolution</i> , 2009, 26, 1851-1864.	8.9	78
6	Esterified astaxanthin levels in lobster epithelia correlate with shell colour intensity: Potential role in crustacean shell colour formation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 141, 307-313.	1.6	62
7	Mechanisms of colour adaptation in the prawn <i>Penaeus monodon</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 343-350.	1.7	53
8	De novo assembly, characterization, functional annotation and expression patterns of the black tiger shrimp (<i>Penaeus monodon</i>) transcriptome. <i>Scientific Reports</i> , 2018, 8, 13553.	3.3	48
9	An evaluation of the complete replacement of both fishmeal and fish oil in diets for juvenile Asian seabass, <i>Lates calcarifer</i> . <i>Aquaculture</i> , 2016, 451, 298-309.	3.5	47
10	Dietary astaxanthin levels affect colour, growth, carotenoid digestibility and the accumulation of specific carotenoid esters in the Giant Tiger Shrimp, <i>Penaeus monodon</i> . <i>Aquaculture Research</i> , 2017, 48, 395-406.	1.8	47
11	Growing backwards: an inverted role for the shrimp ortholog of vertebrate myostatin and GDF11. <i>Journal of Experimental Biology</i> , 2011, 214, 2671-2677.	1.7	46
12	A single-base substitution within an intronic repetitive element causes dominant retinitis pigmentosa with reduced penetrance. <i>Human Mutation</i> , 2009, 30, 1340-1347.	2.5	44
13	Randomly Amplified DNA Fingerprinting: A Culmination of DNA Marker Technologies Based on Arbitrarily-Primed PCR Amplification. <i>Journal of Biomedicine and Biotechnology</i> , 2002, 2, 141-150.	3.0	34
14	Effects of canola meal on growth, feed utilisation, plasma biochemistry, histology of digestive organs and hepatic gene expression of barramundi (<i>Asian seabass; Lates calcarifer</i>). <i>Aquaculture</i> , 2016, 464, 95-105.	3.5	34
15	Postprandial molecular responses in the liver of the barramundi, <i>Lates calcarifer</i> . <i>Fish Physiology and Biochemistry</i> , 2014, 40, 427-443.	2.3	31
16	<i>Penaeus monodon</i> is protected against gill-associated virus by muscle injection but not oral delivery of bacterially expressed dsRNAs. <i>Diseases of Aquatic Organisms</i> , 2011, 95, 19-30.	1.0	30
17	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
18	The combined effects of diet, environment and genetics on pigmentation in the Giant Tiger Prawn, <i>Penaeus monodon</i> . <i>Aquaculture</i> , 2015, 449, 78-86.	3.5	28

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19	An analysis of the effect of diet and genotype on protein and energy utilization by the black tiger shrimp, <i>Penaeus monodon</i> - why do genetically selected shrimp grow faster?. Aquaculture Nutrition, 2013, 19, 128-138.	2.7	25
20	An analysis of partial efficiencies of energy utilisation of different macronutrients by barramundi (<i>Lates calcarifer</i>) shows that starch restricts protein utilisation in carnivorous fish. British Journal of Nutrition, 2017, 117, 500-510.	2.3	24
21	The State of Omics Research for Farmed Penaeids: Advances in Research and Impediments to Industry Utilization. Frontiers in Genetics, 2018, 9, 282.	2.3	22
22	An analysis of the effects of different dietary macronutrient energy sources on the growth and energy partitioning by juvenile barramundi, <i>Lates calcarifer</i> , reveal a preference for protein-derived energy. Aquaculture Nutrition, 2014, 20, 583-594.	2.7	21
23	Eicosapentaenoic Acid, Arachidonic Acid and Eicosanoid Metabolism in Juvenile Barramundi <i>Lates calcarifer</i> . Lipids, 2016, 51, 973-988.	1.7	20
24	Influence of marker particle size on nutrient digestibility measurements and particle movement through the digestive system of shrimp. Aquaculture, 2018, 491, 273-280.	3.5	19
25	Carapace color affects carotenoid composition and nutritional quality of the Chinese mitten crab, <i>Eriocheir sinensis</i> . LWT - Food Science and Technology, 2020, 126, 109286.	5.2	18
26	Rapid effects of essential fatty acid deficiency on growth and development parameters and transcription of key fatty acid metabolism genes in juvenile barramundi (<i>Lates calcarifer</i>). British Journal of Nutrition, 2015, 114, 1784-1796.	2.3	17
27	A compendium of raw material digestibilities for barramundi, <i>Lates calcarifer</i> . Aquaculture Nutrition, 2017, 23, 1055-1064.	2.7	17
28	Evaluation of baseline haemolymph biochemistry, volume and total body energetics to determine an accurate condition index in the black tiger shrimp, <i>Penaeus monodon</i> . Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 228, 1-9.	1.6	17
29	Development and validation of a RAD-Seq target-capture based genotyping assay for routine application in advanced black tiger shrimp (<i>Penaeus monodon</i>) breeding programs. BMC Genomics, 2020, 21, 541.	2.8	17
30	Identification of genes involved in reproduction and lipid pathway metabolism in wild and domesticated shrimps. Marine Genomics, 2015, 22, 55-61.	1.1	16
31	Impact of dietary starch on extrahepatic tissue lipid metabolism in farmed European (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Over Molecular & Integrative Physiology, 2019, 231, 170-176.	1.8	16
32	Control of shell colour changes in the lobster, <i>Panulirus cygnus</i> . Journal of Experimental Biology, 2008, 211, 1512-1519.	1.7	15
33	The effects of adding microbial biomass to grow-out and maturation feeds on the reproductive performance of black tiger shrimp, <i>Penaeus monodon</i> . Aquaculture, 2016, 450, 206-212.	3.5	15
34	Novel Allergen Discovery through Comprehensive De Novo Transcriptomic Analyses of Five Shrimp Species. International Journal of Molecular Sciences, 2021, 22, 32.	4.1	15
35	The influence of dietary fatty acid and fasting on the hepatic lipid metabolism of barramundi (<i>Lates</i>) Tj ETQq1 1 0.784314 rgBT /Over Molecular & Integrative Physiology, 2019, 231, 170-176.	1.8	14
36	Critical variability exists in the digestible value of raw materials fed to black tiger shrimp, <i>Penaeus monodon</i> : The characterisation and digestibility assessment of a series of research and commercial raw materials. Aquaculture, 2018, 495, 214-221.	3.5	14

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37	Genetic parameters for tolerance to gill-associated virus under challenge-test conditions in the black tiger shrimp (<i>Penaeus monodon</i>). <i>Aquaculture</i> , 2020, 516, 734428.	3.5	14
38	Characterization of lipid metabolism genes and the influence of fatty acid supplementation in the hepatic lipid metabolism of dusky grouper (<i>Epinephelus marginatus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 219-220, 1-9.	1.8	13
39	Quantitative methods to measure pigmentation variation in farmed Giant Tiger Prawns, <i>Penaeus monodon</i> , and the effects of different harvest methods on cooked colour. <i>Aquaculture</i> , 2014, 433, 513-519.	3.5	12
40	Rapid expansion of pigmentation genes in penaeid shrimp with absolute preservation of function. <i>Journal of Experimental Biology</i> , 2017, 220, 4109-4118.	1.7	12
41	Resolving hemocyanin isoform complexity in haemolymph of black tiger shrimp <i>Penaeus monodon</i> - implications in aquaculture, medicine and food safety. <i>Journal of Proteomics</i> , 2020, 218, 103689.	2.4	12
42	The effect of marine and non-marine phospholipid rich oils when fed to juvenile barramundi (<i>Lates</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.5	11
43	Comparison of methods for uniformly challenging Black Tiger shrimp (<i>Penaeus monodon</i>) with gill-associated virus. <i>Aquaculture</i> , 2017, 473, 191-196.	3.5	10
44	Considerations for Maintaining Family Diversity in Commercially Mass-Spawned Penaeid Shrimp: A Case Study on <i>Penaeus monodon</i> . <i>Frontiers in Genetics</i> , 2019, 10, 1127.	2.3	10
45	Postprandial plasma free amino acid profile and hepatic gene expression in juvenile barramundi (<i>Lates</i>) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50 <i>Aquaculture</i> , 2019, 501, 345-358.	3.5	9
46	Limitations to Starch Utilization in Barramundi (<i>Lates calcarifer</i>) as Revealed by NMR-Based Metabolomics. <i>Frontiers in Physiology</i> , 2020, 11, 205.	2.8	9
47	Genome assembly of the Australian black tiger shrimp (<i>Penaeus monodon</i>) reveals a novel fragmented IHNV EVE sequence. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	9
48	Dietary starch promotes hepatic lipogenesis in barramundi (<i>Lates calcarifer</i>). <i>British Journal of Nutrition</i> , 2020, 124, 363-373.	2.3	8
49	Using response surfaces to explore the interactive effect of dietary astaxanthin and β -carotene on growth and antioxidant capability of juvenile Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Aquaculture</i> , 2022, 555, 738196.	3.5	7
50	Genetic parameters of Gill-associated virus infection and body weight under commercial conditions in black tiger shrimp, <i>Penaeus monodon</i> . <i>Aquaculture</i> , 2020, 528, 735580.	3.5	6
51	Effects of three feeding modes on the metabolism, antioxidant capacity, and metabolome of the adult male Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture International</i> , 2022, 30, 1101-1119.	2.2	6
52	PCR testing of single tissue samples can result in misleading data on gill-associated virus infection loads in shrimp. <i>Aquaculture</i> , 2018, 492, 91-96.	3.5	5
53	Effect of sample type and the use of high or low fishmeal diets on bacterial communities in the gastrointestinal tract of <i>Penaeus monodon</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1301-1313.	3.6	5
54	Multi-species transcriptomics reveals evolutionary diversity in the mechanisms regulating shrimp tail muscle excitation-contraction coupling. <i>Gene</i> , 2020, 752, 144765.	2.2	4

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55	Dietary fatty acid composition affects the apparent digestibility of algal carotenoids in diets for Atlantic salmon, <i>Salmo salar</i> . <i>Aquaculture Research</i> , 2022, 53, 2343-2353.	1.8	4
56	Key metabolic and enzymatic adaptations underlie the benefits of formulated diets in the adult female Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture Research</i> , 2020, 51, 5125-5140.	1.8	3
57	Faecal collection methods result in different estimates of nutrient apparent digestibility in <i>Penaeus monodon</i> . <i>Aquaculture</i> , 2022, 551, 737957.	3.5	2
58	Adequate supply of dietary taurine stimulates expression of molecular markers of growth and protein turnover in juvenile barramundi (<i>Lates calcarifer</i>). <i>Fish Physiology and Biochemistry</i> , 2020, 46, 953-969.	2.3	1