

Wing-Keong Ng

List of Publications by Year in descending order

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69
papers

4,605
citations

94269

37
h-index

98622

67
g-index

70
all docs

70
docs citations

70
times ranked

3141
citing authors

#	ARTICLE	IF	CITATIONS
1	Fish oil replacement in finfish nutrition. <i>Reviews in Aquaculture</i> , 2009, 1, 10-57.	4.6	959
2	The utilization and mode of action of organic acids in the feeds of cultured aquatic animals. <i>Reviews in Aquaculture</i> , 2017, 9, 342-368.	4.6	181
3	A review of the nutrition and feeding management of farmed tilapia throughout the culture cycle. <i>Reviews in Aquaculture</i> , 2013, 5, 220-254.	4.6	178
4	Dietary lipid and palm oil source affects growth, fatty acid composition and muscle $\hat{\pm}$ -tocopherol concentration of African catfish, <i>Clarias gariepinus</i> . <i>Aquaculture</i> , 2003, 215, 229-243.	1.7	154
5	Effects of dietary organic acids on growth, nutrient digestibility and gut microflora of red hybrid tilapia, <i>Oreochromis</i> sp., and subsequent survival during a challenge test with <i>Streptococcus agalactiae</i> . <i>Aquaculture Research</i> , 2009, 40, 1490-1500.	0.9	153
6	Potential of mealworm (<i>Tenebrio molitor</i>) as an alternative protein source in practical diets for African catfish, <i>Clarias gariepinus</i> . <i>Aquaculture Research</i> , 2001, 32, 273-280.	0.9	149
7	Replacement of fish meal with poultry by-product meal in diets formulated for the humpback grouper, <i>Cromileptes altivelis</i> . <i>Aquaculture</i> , 2007, 273, 118-126.	1.7	133
8	Effects of dietary palm oil source on growth, tissue fatty acid composition and nutrient digestibility of red hybrid tilapia, <i>Oreochromis</i> sp., raised from stocking to marketable size. <i>Aquaculture</i> , 2007, 262, 382-392.	1.7	128
9	Evaluation of the proximate, fatty acid and mineral composition of representative green, brown and red seaweeds from the Persian Gulf of Iran as potential food and feed resources. <i>Journal of Food Science and Technology</i> , 2012, 49, 774-780.	1.4	124
10	The influence of environmental temperature on the apparent nutrient and fatty acid digestibility in Atlantic salmon (<i>Salmo salar</i> L.) fed finishing diets containing different blends of fish oil, rapeseed oil and palm oil. <i>Aquaculture Research</i> , 2004, 35, 1228-1237.	0.9	120
11	Partial Replacement of Fish Meal by Fermented Soybean Meal in Diets for Black Sea Bream, <i>Acanthopagrus schlegelii</i> , Juveniles. <i>Journal of the World Aquaculture Society</i> , 2011, 42, 184-197.	1.2	116
12	Dietary microencapsulated organic acids blend enhances growth, phosphorus utilization, immune response, hepatopancreatic integrity and resistance against <i>Vibrio harveyi</i> in white shrimp, <i>Litopenaeus vannamei</i> . <i>Aquaculture</i> , 2015, 435, 228-236.	1.7	116
13	Effects of water temperature and diets containing palm oil on fatty acid desaturation and oxidation in hepatocytes and intestinal enterocytes of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 137, 49-63.	0.7	107
14	Inclusion of crude palm oil in the broodstock diets of female Nile tilapia, <i>Oreochromis niloticus</i> , resulted in enhanced reproductive performance compared to broodfish fed diets with added fish oil or linseed oil. <i>Aquaculture</i> , 2011, 314, 122-131.	1.7	91
15	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 2001, 25, 301-310.	0.9	90
16	Title is missing!. <i>Aquaculture International</i> , 2000, 8, 19-29.	1.1	89
17	The dietary protein requirement of the Malaysian mahseer, <i>Tor tambroides</i> (Bleeker), and the lack of protein-sparing action by dietary lipid. <i>Aquaculture</i> , 2008, 284, 201-206.	1.7	80
18	The dietary protein requirement of a bagrid catfish, <i>Mystus nemurus</i> (Cuvier & Valenciennes), determined using semipurified diets of varying protein level. <i>Aquaculture Nutrition</i> , 2001, 7, 45-51.	1.1	69

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19	Effects of dietary fish and vegetable oils on the growth, tissue fatty acid composition, oxidative stability and vitamin E content of red hybrid tilapia and efficacy of using fish oil finishing diets. <i>Aquaculture</i> , 2013, 372-375, 97-110.	1.7	69
20	Effects of a dietary organic acids blend and oxytetracycline on the growth, nutrient utilization and total cultivable gut microbiota of the red hybrid tilapia, <i>Oreochromis</i> sp., and resistance to <i>Streptococcus agalactiae</i> . <i>Aquaculture Research</i> , 2016, 47, 357-369.	0.9	67
21	Dietary palm oil level affects growth performance, protein retention and tissue vitamin E concentration of African catfish, <i>Clarias gariepinus</i> . <i>Aquaculture</i> , 2001, 202, 101-112.	1.7	65
22	Partial replacement of fishmeal with <i>Clostridium autoethanogenum</i> single-cell protein in the diet for juvenile black sea bream (<i>Acanthopagrus schlegelii</i>). <i>Aquaculture Research</i> , 2020, 51, 1000-1011.	0.9	63
23	The nutritive value of cassava leaf meal in pelleted feed for Nile tilapia. <i>Aquaculture</i> , 1989, 83, 45-58.	1.7	62
24	The use of palm oil in aquaculture feeds for salmonid species. <i>European Journal of Lipid Science and Technology</i> , 2007, 109, 394-399.	1.0	60
25	Effects of dietary arginine and lysine levels on growth performance, nutrient utilization and tissue biochemical profile of black sea bream, <i>Acanthopagrus schlegelii</i> , fingerlings. <i>Aquaculture</i> , 2011, 319, 72-80.	1.7	59
26	Replacement of dietary fish oil with palm fatty acid distillate elevates tocopherol and tocotrienol concentrations and increases oxidative stability in the muscle of African catfish, <i>Clarias gariepinus</i> . <i>Aquaculture</i> , 2004, 233, 423-437.	1.7	58
27	Nutritive value of palm kernel meal pretreated with enzyme or fermented with <i>Trichoderma koningii</i> (Oudemans) as a dietary ingredient for red hybrid tilapia (<i>Oreochromis</i> sp.). <i>Aquaculture Research</i> , 2002, 33, 1199-1207.	0.9	57
28	Soy protein concentrate as a substitute for fish meal in diets for juvenile <i>Acanthopagrus schlegelii</i> : effects on growth, phosphorus discharge and digestive enzyme activity. <i>Aquaculture Research</i> , 2018, 49, 1896-1906.	0.9	57
29	Interactive effects of dietary palm oil concentration and water temperature on lipid digestibility in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Lipids</i> , 2003, 38, 1031-1038.	0.7	55
30	Effects of isoenergetic diets with varying protein and lipid levels on the growth, feed utilization, metabolic enzymes activities, antioxidative status and serum biochemical parameters of black sea bream (<i>Acanthopagrus schlegelii</i>). <i>Aquaculture</i> , 2019, 513, 734-739.	1.7	54
31	Genetically improved farmed Nile tilapia and red hybrid tilapia showed differences in fatty acid metabolism when fed diets with added fish oil or a vegetable oil blend. <i>Aquaculture</i> , 2011, 312, 126-136.	1.7	48
32	Farm-raised tiger shrimp, <i>Penaeus monodon</i> , fed commercial feeds with added organic acids showed enhanced nutrient utilization, immune response and resistance to <i>Vibrio harveyi</i> challenge. <i>Aquaculture</i> , 2015, 449, 69-77.	1.7	48
33	Effects of dietary fish oil replacement with vegetable oils on growth and tissue fatty acid composition of humpback grouper, <i>Cromileptes altivelis</i> (Valenciennes). <i>Aquaculture Research</i> , 2008, 39, 315-323.	0.9	46
34	Assessing the feasibility of dietary soybean meal replacement for fishmeal to the swimming crab, <i>Portunus pelagicus</i> , juveniles. <i>Aquaculture</i> , 2017, 469, 88-94.	1.7	45
35	Amino acid composition of whole body, egg and selected tissues of white sturgeon (<i>Acipenser</i>) Tj ETQq1 1 0.784314rgBT /Oylock 10	1.7	43
36	The implications of substituting dietary fish oil with vegetable oils on the growth performance, fillet fatty acid profile and modulation of the fatty acid elongase, desaturase and oxidation activities of red hybrid tilapia, <i>Oreochromis</i> sp.. <i>Aquaculture</i> , 2016, 465, 311-322.	1.7	42

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37	Niacin requirement and inability of tryptophan to act as a precursor of NAD ⁺ in channel catfish, <i>Ictalurus punctatus</i> . <i>Aquaculture</i> , 1997, 152, 273-285.	1.7	37
38	The dietary protein requirement of a new Japanese strain of juvenile Chinese soft shell turtle, <i>Pelodiscus sinensis</i> . <i>Aquaculture</i> , 2013, 412-413, 74-80.	1.7	35
39	The impact of dietary oil source and frozen storage on the physical, chemical and sensorial quality of fillets from market-size red hybrid tilapia, <i>Oreochromis sp.</i> . <i>Food Chemistry</i> , 2009, 113, 1041-1048.	4.2	33
40	Effects of Dietary Probiotics on the Growth and Feeding Efficiency of Red Hybrid Tilapia, <i>Oreochromis sp.</i> , and Subsequent Resistance to <i>Streptococcus agalactiae</i> . <i>Journal of Applied Aquaculture</i> , 2014, 26, 22-31.	0.7	31
41	Dietary berberine regulates lipid metabolism in muscle and liver of black sea bream (<i>Acanthopagrus</i>) Tj ETQq1 1 0,784314,rgBT /Over 1.2 31F	1.2	31
42	Chronic Oxide Inclusion in the Diet Does Not Affect Glucose Utilization or Chromium Retention by Channel Catfish, <i>Ictalurus punctatus</i> . <i>Journal of Nutrition</i> , 1997, 127, 2357-2362.	1.3	30
43	Performance of genetically improved Nile tilapia compared with red hybrid tilapia fed diets containing two protein levels. <i>Aquaculture Research</i> , 2007, 38, 965-972.	0.9	28
44	Replacement of Soybean Meal with Palm Kernel Meal in Practical Diets for Hybrid Asian-African Catfish, <i>Clarias macrocephalus</i> — <i>C. gariepinus</i> . <i>Journal of Applied Aquaculture</i> , 2002, 12, 67-76.	0.7	26
45	The Malaysian mahseer, <i>Tor tambroides</i> (Bleeker), requires low dietary lipid levels with a preference for lipid sources with high omega-6 and low omega-3 polyunsaturated fatty acids. <i>Aquaculture</i> , 2011, 322-323, 82-90.	1.7	26
46	Dietary arachidonic acid and the impact on growth performance, health and tissues fatty acids in Malabar red snapper (<i>Lutjanus malabaricus</i>) fingerlings. <i>Aquaculture</i> , 2020, 519, 734757.	1.7	25
47	Replacing dietary fish oil with palm fatty acid distillate improves fatty acid digestibility in rainbow trout, <i>Oncorhynchus mykiss</i> , maintained at optimal or elevated water temperature. <i>Aquaculture</i> , 2010, 309, 165-172.	1.7	24
48	Potential of palm oil utilisation in aquaculture feeds. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2002, 11, S473-S476.	0.3	23
49	Restoration of EPA and DHA in rainbow trout (<i>Oncorhynchus mykiss</i>) using a finishing fish oil diet at two different water temperatures. <i>Food Chemistry</i> , 2013, 141, 236-244.	4.2	20
50	Bioavailability of niacin from feed ingredients commonly used in feeds for channel catfish, <i>Ictalurus punctatus</i> . <i>Aquaculture</i> , 1998, 161, 393-404.	1.7	19
51	Effects of butyrate glycerides supplementation in high soybean meal diet on growth performance, intestinal morphology and antioxidative status of juvenile black sea bream, <i>Acanthopagrus schlegelii</i> . <i>Aquaculture Nutrition</i> , 2020, 26, 15-25.	1.1	18
52	Effects of Different Dietary Organic Acids on the Survival, Growth, and Hepatopancreatic Histopathology of the Blue Swimmer Crab <i>Portunus pelagicus</i> . <i>Journal of Shellfish Research</i> , 2016, 35, 555-561.	0.3	17
53	Improving the survival, growth and hemolymph ion maintenance of early juvenile blue swimmer crabs, <i>Portunus pelagicus</i> , at hypo- and hyper-osmotic conditions through dietary long chain PUFA supplementation. <i>Aquaculture</i> , 2012, 342-343, 24-30.	1.7	14
54	Dietary short-chain organic acids enhanced resistance to bacterial infection and hepatopancreatic structural integrity of the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> . <i>International Aquatic Research</i> , 2017, 9, 293-302.	1.5	14

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55	Deposition of tocotrienols and tocopherols in the tissues of red hybrid tilapia, <i>Oreochromis</i> sp., fed a tocotrienol-rich fraction extracted from crude palm oil and its effect on lipid peroxidation. <i>Aquaculture</i> , 2006, 253, 583-591.	1.7	12
56	The effect of seaweed extracts, as a supplement or alternative culture medium, on the growth rate and biochemical composition of the microalga, <i>Isochrysis galbana</i> (Park 1949). <i>Aquaculture Research</i> , 2012, 43, 1487-1498.	0.9	11
57	Partial replacement of fish meal by soy protein concentrates in diets for a new Japanese strain of juvenile soft-shelled turtle, <i>Pelodiscus sinensis</i> . <i>Aquaculture Research</i> , 2016, 47, 875-886.	0.9	9
58	Effect of substituting fishmeal with corn protein concentrate on growth performance, nutrient utilization and skin coloration in red hybrid tilapia, <i>Oreochromis</i> sp.. <i>Aquaculture Nutrition</i> , 2019, 25, 1006-1016.	1.1	9
59	Palm Oil and Saturated Fatty Acid-Rich Vegetable Oils. , 2010, , 99-132.		8
60	Effects of replacing dietary fish oil and squid liver oil with vegetable oils on the growth, tissue fatty acid profile and total carotenoids of the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> . <i>Aquaculture Research</i> , 2012, 44, n/a-n/a.	0.9	8
61	Evaluation of the Impact of Dietary Petroselinic Acid on the Growth Performance, Fatty Acid Composition, and Efficacy of Long Chain-Polyunsaturated Fatty Acid Biosynthesis of Farmed Nile Tilapia. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6056-6068.	2.4	8
62	Evaluation of Spent Bleaching Clay from Palm Oil Refining as an Ingredient for Diets of Red Hybrid Tilapia, <i>Oreochromis</i> sp.. <i>Journal of Applied Aquaculture</i> , 2005, 17, 87-97.	0.7	7
63	The nutritional effect of <i>Isochrysis galbana</i> and <i>Chaetoceros muelleri</i> cultured with different seaweed extracts on the larval development, growth and survival of the marine shrimp, <i>Penaeus indicus</i> . <i>Aquaculture Research</i> , 2015, 46, 1444-1454.	0.9	6
64	Effects of Dietary Carbohydrate Source and Level on Growth, Feed Utilization, and Body Composition of the Humpback Grouper, <i>Cromileptes altivelis</i> (Valenciennes). <i>Journal of Applied Aquaculture</i> , 2011, 23, 112-121.	0.7	5
65	Deposition of tocopherol and tocotrienol in the tissues of red hybrid tilapia, <i>Oreochromis</i> sp., fed vitamin E-free diets supplemented with different plant oils. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 1457-1471.	0.9	4
66	Assessing the efficacy of three methionine sources in low protein and low fish meal diet for Chinese soft-shelled turtle, <i>Pelodiscus sinensis</i> . <i>Aquaculture International</i> , 2018, 26, 15-26.	1.1	4
67	An evaluation of mineral supplementation of fish meal-based diets for African catfish. <i>Aquaculture International</i> , 2001, 9, 273-283.	1.1	3
68	Enhancing replacement of fishmeal with corn protein concentrate by blending with soy protein concentrate and supplementing attractants in the diets of red hybrid tilapia. <i>Aquaculture Research</i> , 2022, 53, 5171-5183.	0.9	2
69	Erratum to "Genetically improved farmed Nile tilapia and red hybrid tilapia showed differences in fatty acid metabolism when fed diets with added fish oil or a vegetable oil blend" [Aquaculture 312 (2011) 126-136]. <i>Aquaculture</i> , 2011, 316, 143.	1.7	0