Daniel L Merrifield

List of Publications by Year
in descending order

71	7,943	57719 44	91828 69
papers	citations	h-index	g-index

91	91	91	4957
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The current status and future focus of probiotic and prebiotic applications for salmonids. Aquaculture, 2010, 302, 1-18.	1.7	747
2	Effect of dietary components on the gut microbiota ofÂaquatic animals. A neverâ€ending story?. Aquaculture Nutrition, 2016, 22, 219-282.	1.1	476
3	Microbial manipulations to improve fish health and production â€“ A Mediterranean perspective. Fish and Shellfish Immunology, 2011, 30, 1-16.	1.6	362
4	Dietary mannan oligosaccharide supplementation modulates intestinal microbial ecology and improves gut morphology of rainbow trout, Oncorhynchus mykiss (Walbaum). Journal of Animal Science, 2009, 87, 3226-3234.	0.2	311
5	Effects of mannan oligosaccharide (MOS) supplementation on growth performance, feed utilisation, intestinal histology and gut microbiota of gilthead sea bream (Sparus aurata). Aquaculture, 2010, 300, 182-188.	1.7	279
6	A high-resolution map of the gut microbiota in Atlantic salmon (Salmo salar): A basis for comparative gut microbial research. Scientific Reports, 2016, 6, 30893.	1.6	246
7	Lactobacillus rhamnosus lowers zebrafish lipid content by changing gut microbiota and host transcription of genes involved in lipid metabolism. Scientific Reports, 2015, 5, 9336.	1.6	194
8	Expression of immune-related genes in rainbow trout (Oncorhynchus mykiss) induced by probiotic bacteria during Lactococcus garvieae infection. Fish and Shellfish Immunology, 2011, 31, 196-201.	1.6	193
9	Dietary supplementation of fructooligosaccharide (FOS) improves the innate immune response, stress resistance, digestive enzyme activities and growth performance of Caspian roach (Rutilus rutilus) fry. Fish and Shellfish Immunology, 2012, 32, 316-321.	1.6	193
10	The effect of Pediococcus acidilactici on the gut microbiota and immune status of on-growing red tilapia (Oreochromis niloticus). Journal of Applied Microbiology, 2010, 109, 851-862.	1.4	192
11	Probiotic applications for rainbow trout (Oncorhynchus mykiss Walbaum) II. Effects on growth performance, feed utilization, intestinal microbiota and related health criteria postantibiotic treatment. Aquaculture Nutrition, 2010, 16, 496-503.	1.1	190
12	Soybean meal alters autochthonous microbial populations, microvilli morphology and compromises intestinal enterocyte integrity of rainbow trout, Oncorhynchus mykiss (Walbaum). Journal of Fish Diseases, 2009, 32, 755-766.	0.9	186
13	Effect of dietary Bacillus spp. and mannan oligosaccharides (MOS) on European lobster (Homarus) Tj ETQq1 1 0.784314 rgBT /Overlo 304, 49-57.	1.7	185
14	Probiotic Pediococcus acidilactici modulates both localised intestinal- and peripheral-immunity in tilapia (Oreochromis niloticus). Fish and Shellfish Immunology, 2013, 35, 1097-1104.	1.6	164
15	Dietary synbiotic application modulates Atlantic salmon (Salmo salar) intestinal microbial communities and intestinal immunity. Fish and Shellfish Immunology, 2013, 35, 1948-1956.	1.6	160
16	Alternative Protein Sources in the Diet Modulate Microbiota and Functionality in the Distal Intestine of Atlantic Salmon (Salmo salar). Applied and Environmental Microbiology, 2017, 83, .	1.4	142
17	Dietary administration of a commercial mixed-species probiotic improves growth performance and modulates the intestinal immunity of tilapia, Oreochromis niloticus. Fish and Shellfish Immunology, 2016, 49, 427-435.	1.6	138
18	Modulation of the intestinal microbiota and morphology of tilapia, Oreochromis niloticus, following the application of a multi-species probiotic. Applied Microbiology and Biotechnology, 2015, 99, 8403-8417.	1.7	131

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19	Probiotic applications for rainbow trout (Oncorhynchus mykiss Walbaum) I. Effects on growth performance, feed utilization, intestinal microbiota and related health criteria. Aquaculture Nutrition, 2010, 16, 504-510.	1.1	129
20	Preliminary assessment of dietary supplementation of SangrovitÂ® on red tilapia (Oreochromis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.7	124
21	The effects of dietary inactive brewer's yeast Saccharomyces cerevisiae var. ellipsoideus on the growth, physiological responses and gut microbiota of juvenile beluga (Huso huso). Aquaculture, 2011, 318, 90-94.	1.7	121
22	Ingestion of metal-nanoparticle contaminated food disrupts endogenous microbiota in zebrafish (Danio rerio). Environmental Pollution, 2013, 174, 157-163.	3.7	115
23	Assessment of the effects of vegetative and lyophilized Pediococcus acidilactici on growth, feed utilization, intestinal colonization and health parameters of rainbow trout (Oncorhynchus mykiss) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	113
24	The fish microbiome and its interactions with mucosal tissues. , 2015, , 273-295.		111
25	Effect of fishmeal and fish oil replacement by vegetable meals and oils on gut health of European sea bass (Dicentrarchus labrax). Aquaculture, 2017, 468, 386-398.	1.7	111
26	Identification and characterization of lactic acid bacteria isolated from rainbow trout, Oncorhynchus mykiss (Walbaum), with inhibitory activity against Lactococcus garvieae. Journal of Fish Diseases, 2011, 34, 499-507.	0.9	107
27	Influence of Ulva meal on growth, feed utilization, and body composition of juvenile Nile tilapia (OreochromisÂniloticus) at two levels of dietary lipid. Aquaculture International, 2009, 17, 355-361.	1.1	102
28	Combined effects of exogenous enzymes and probiotic on Nile tilapia (Oreochromis niloticus) growth, intestinal morphology and microbiome. Aquaculture, 2016, 463, 61-70.	1.7	102
29	Effects of dietary Î²â€(1,3)(1,6)â€Dâ€glucan supplementation on growth performance, intestinal morphology and haematoâ€immunological profile of mirror carp (<scp>C</scp>yprinus carpio L.). Journal of Animal Physiology and Animal Nutrition, 2014, 98, 279-289.	1.0	95
30	Microbial community diversity associated with the intestinal mucosa of farmed rainbow trout (Oncoryhnchus mykissWalbaum). Aquaculture Research, 2009, 40, 1064-1072.	0.9	91
31	The study of some haematological and serum biochemical parameters of juvenile beluga (Huso huso) fed oligofructose. Fish Physiology and Biochemistry, 2011, 37, 91-96.	0.9	89
32	Probiotic treatment reduces appetite and glucose level in the zebrafish model. Scientific Reports, 2016, 6, 18061.	1.6	85
33	Supplementation of formulated diets for tilapia (Oreochromis niloticus) with selected exogenous enzymes: Overall performance and effects on intestinal histology and microbiota. Animal Feed Science and Technology, 2016, 215, 133-143.	1.1	83
34	Dietary lipid content reorganizes gut microbiota and probiotic L. rhamnosus attenuates obesity and enhances catabolic hormonal milieu in zebrafish. Scientific Reports, 2017, 7, 5512.	1.6	83
35	The effects of oligofructose on growth performance, survival and autochthonous intestinal microbiota of beluga (Huso huso) juveniles. Aquaculture Nutrition, 2011, 17, 498-504.	1.1	82
36	In vitroselection of a synbiotic andinÂvivoevaluation on intestinal microbiota, performance and physiological response of rainbow trout (Oncorhynchus mykiss) fingerlings. Aquaculture Nutrition, 2017, 23, 111-118.	1.1	76

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37	Hydrolysed wheat gluten as part of a diet based on animal and plant proteins supports good growth performance of Asian seabass (Lates calcarifer), without impairing intestinal morphology or microbiota. Aquaculture, 2016, 453, 40-48.	1.7	73
38	Probiotics Can Induce Follicle Maturational Competence: The Danio rerioCase1. Biology of Reproduction, 2012, 86, 65.	1.2	71
39	Effect of dietary Ulva and Spirulina on weight loss and body composition of rainbow trout, Oncorhynchus mykiss (Walbaum), during a starvation period. Journal of Animal Physiology and Animal Nutrition, 2011, 95, 320-327.	1.0	68
40	The Influence of Probiotics on Zebrafish Danio Rerio Innate Immunity and Hepatic Stress. Zebrafish, 2014, 11, 98-106.	0.5	66
41	Effects of a dietary Î²-(1,3)(1,6)-D-glucan supplementation on intestinal microbial communities and intestinal ultrastructure of mirror carp (Cyprinus carpio L.). Journal of Applied Microbiology, 2013, 115, 1091-1106.	1.4	58
42	Effect of dietary alginic acid on juvenile tilapia (Oreochromis niloticus) intestinal microbial balance, intestinal histology and growth performance. Cell and Tissue Research, 2011, 344, 135-146.	1.5	57
43	Probiotic, prebiotic and synbiotic applications for the improvement of larval European lobster (Homarus gammarus) culture. Aquaculture, 2013, 416-417, 396-406.	1.7	52
44	Possible influence of probiotic adhesion to intestinal mucosa on the activity and morphology of rainbow trout (Oncorhynchus mykiss) enterocytes. Aquaculture Research, 2009, 41, 1268.	0.9	49
45	The effects of inulin on growth factors and survival of the Indian white shrimp larvae and postlarvae (Fenneropenaeus indicus). Aquaculture Research, 2010, 41, e348-e352.	0.9	48
46	Effect of autoclaved Ulva meal on growth performance, nutrient utilization and fatty acid profile of rainbow trout, Oncorhynchus mykiss. Aquaculture International, 2013, 21, 605-615.	1.1	46
47	Influence of Dietary Supplementation of Probiotic Pediococcus acidilactici MA18/5M During the Transition From Freshwater to Seawater on Intestinal Health and Microbiota of Atlantic Salmon (Salmo salar L.). Frontiers in Microbiology, 2019, 10, 2243.	1.5	45
48	Dietary probiotic Pediococcus acidilactici MA18/5M modulates the intestinal microbiota and stimulates intestinal immunity in rainbow trout (Oncorhynchus mykiss). Journal of the World Aquaculture Society, 2019, 50, 1133-1151.	1.2	41
49	Assessment of Chlorogloeopsis as a novel microbial dietary supplement for red tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Over	1.7	40
50	Selection of carbohydrate-active probiotics from the gut of carnivorous fish fed plant-based diets. Scientific Reports, 2019, 9, 6384.	1.6	40
51	Influence of Probiotics Administration on Gut Microbiota Core. Journal of Clinical Gastroenterology, 2018, 52, S50-S56.	1.1	39
52	The effect of different feeding regimes on enzyme activities of gut microbiota in Atlantic cod (Gadus morhuaL.). Aquaculture Research, 2013, 44, 841-846.	0.9	33
53	Biofuel derived yeast protein concentrate (YPC) as a novel feed ingredient in carp diets. Aquaculture, 2012, 330-333, 54-62.	1.7	31
54	First report on the autochthonous gut microbiota of brown trout (Salmo truttaLinnaeus). Aquaculture Research, 2015, 46, 2962-2971.	0.9	30

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55	Effects of rearing temperature and dietary short-chain fructooligosaccharides supplementation on allochthonous gut microbiota, digestive enzymes activities and intestine health of turbot (Scophthalmus maximusL.) juveniles. Aquaculture Nutrition, 2016, 22, 631-642.	1.1	28
56	Haemato-immunological and growth response of mirror carp (Cyprinus carpio) fed a tropical earthworm meal in experimental diets. Fish and Shellfish Immunology, 2012, 32, 1002-1007.	1.6	24
57	The autochthonous microbiota of the freshwater omnivores jundiÃ¡ (Rhamdia quelen) and tilapia (Oreochromis niloticus) and the effect of dietary carbohydrates. Aquaculture Research, 2015, 46, 472-481.	0.9	24
58	Replacement of fishmeal with rice protein concentrate in practical diets for European sea bassDicentrarchus labraxreared at winter temperatures. Aquaculture Research, 2013, 44, 462-471.	0.9	23
59	Effects of Lactogen 13, a New Probiotic Preparation, on Gut Microbiota and Endocrine Signals Controlling Growth and Appetite of Oreochromis niloticus Juveniles. Microbial Ecology, 2018, 76, 1063-1074.	1.4	23
60	Evaluation of Prebiotic and Probiotic Effects on the Intestinal Gut Microbiota and Histology of Atlantic salmon (Salmo salar L.). Journal of Aquaculture Research & Development, 0, s1, .	0.4	19
61	Effects of short-chain fructooligosaccharides on growth performance and hepatic intermediary metabolism in turbot (Scophthalmus maximus) reared at winter and summer temperatures. Aquaculture Nutrition, 2015, 21, 433-443.	1.1	18
62	Exploring intestinal microbiome composition in three Indian major carps under polyculture system: A high-throughput sequencing based approach. Aquaculture, 2020, 524, 735206.	1.7	18
63	Evaluation of feed utilization and growth performance of juvenile striped catfishPangasianodon hypophthalmusfed diets with varying inclusion levels of corn gluten meal. Aquaculture Nutrition, 2013, 19, 258-266.	1.1	15
64	White spot syndrome virus (WSSV) disturbs the intestinal microbiota of shrimp (Penaeus vannamei) reared in biofloc and clear seawater. Applied Microbiology and Biotechnology, 2020, 104, 8007-8023.	1.7	14
65	Effects of fish oil and partial fish meal substitution with oilseed oils and meals on growth performance, nutrient utilization and health of the rainbow trout Oncorhynchus mykiss. Aquaculture International, 2012, 20, 481-497.	1.1	13
66	Dietary supplementation with a specific mannan-rich yeast parietal fraction enhances the gut and skin mucosal barriers of Atlantic salmon (Salmo salar) and reduces its susceptibility to sea lice (Lepeophtheirus salmonis). Aquaculture, 2020, 529, 735701.	1.7	13
67	Probiotic Applications for Finfish Aquaculture. , 2018, , 197-217.		12
68	Effects of dietaryNutrafito Pluson growth, haemotological parameters and total ammonia-nitrogen excretion of juvenile striped catfishPangasianodon hypophthalmus. Aquaculture Research, 2016, 47, 1770-1777.	0.9	10
69	Autochthonous probiotic bacteria modulate intestinal microbiota of Pirarucu, Arapaima gigas. Journal of the World Aquaculture Society, 2019, 50, 1152-1167.	1.2	9
70	Genetic diversity of lactic acid bacteria in the intestine of Persian sturgeon fingerlings. Journal of Applied Ichthyology, 2013, 29, 494-498.	0.3	8
71	Dietary modulation of immune response and related gene expression profiles in mirror carp (Cyprinus) Tj ETQq1 1 0.784314 rgBT /Ov	1.7	8