

Carlo C Lazado

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,199
citations

257450

24
h-index

233421

45
g-index

61
all docs

61
docs citations

61
times ranked

1998
citing authors

#	ARTICLE	IF	CITATIONS
1	Mucosal immunity and probiotics in fish. <i>Fish and Shellfish Immunology</i> , 2014, 39, 78-89.	3.6	320
2	Probiotics as beneficial microbes in aquaculture: an update on their multiple modes of action: a review. <i>Veterinary Quarterly</i> , 2016, 36, 228-241.	6.7	238
3	Prospects of host-associated microorganisms in fish and penaeids as probiotics with immunomodulatory functions. <i>Fish and Shellfish Immunology</i> , 2015, 45, 2-12.	3.6	178
4	Mucosal Barrier Functions of Fish under Changing Environmental Conditions. <i>Fishes</i> , 2019, 4, 2.	1.7	93
5	Host-derived probiotics <i>Enterococcus casseliflavus</i> improves resistance against <i>Streptococcus iniae</i> infection in rainbow trout (<i>Oncorhynchus mykiss</i>) via immunomodulation. <i>Fish and Shellfish Immunology</i> , 2016, 52, 198-205.	3.6	85
6	Infection-induced changes in expression of antibacterial and cytokine genes in the gill epithelial cells of Atlantic cod, <i>Gadus morhua</i> during incubation with bacterial pathogens. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 156, 319-325.	1.6	83
7	In vitro adherence of two candidate probiotics from Atlantic cod and their interference with the adhesion of two pathogenic bacteria. <i>Veterinary Microbiology</i> , 2011, 148, 252-259.	1.9	70
8	Chemically and Green Synthesized ZnO Nanoparticles Alter Key Immunological Molecules in Common Carp (<i>Cyprinus carpio</i>) Skin Mucus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3270.	4.1	64
9	Daily Rhythmicity of Clock Gene Transcripts in Atlantic Cod Fast Skeletal Muscle. <i>PLoS ONE</i> , 2014, 9, e99172.	2.5	57
10	Aqualase [®] , a yeast-based in-feed probiotic, modulates intestinal microbiota, immunity and growth of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture Research</i> , 2017, 48, 1815-1826.	1.8	54
11	Expression profiles of genes associated with immune response and oxidative stress in Atlantic cod, <i>Gadus morhua</i> head kidney leukocytes modulated by live and heat-inactivated intestinal bacteria. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 249-255.	1.6	53
12	Dietary phytoimmunostimulant Persian hogweed (<i>Heracleum persicum</i>) has more remarkable impacts on skin mucus than on serum in common carp (<i>Cyprinus carpio</i>). <i>Fish and Shellfish Immunology</i> , 2016, 59, 77-82.	3.6	53
13	Characterization of GP21 and GP12: Two Potential Probiotic Bacteria Isolated from the Gastrointestinal Tract of Atlantic Cod. <i>Probiotics and Antimicrobial Proteins</i> , 2010, 2, 126-134.	3.9	45
14	Innate immune defenses exhibit circadian rhythmicity and differential temporal sensitivity to a bacterial endotoxin in Nile tilapia (<i>Oreochromis niloticus</i>). <i>Fish and Shellfish Immunology</i> , 2016, 55, 613-622.	3.6	41
15	Influence of alginic acid and fucoidan on the immune responses of head kidney leukocytes in cod. <i>Fish Physiology and Biochemistry</i> , 2011, 37, 603-612.	2.3	40
16	Enzymes from the gut bacteria of Atlantic cod, <i>Gadus morhua</i> and their influence on intestinal enzyme activity. <i>Aquaculture Nutrition</i> , 2012, 18, 423-431.	2.7	40
17	Atlantic salmon (<i>Salmo salar</i>) mounts systemic and mucosal stress responses to peracetic acid. <i>Fish and Shellfish Immunology</i> , 2019, 93, 895-903.	3.6	39
18	Atlantic cod in the dynamic probiotics research in aquaculture. <i>Aquaculture</i> , 2014, 424-425, 53-62.	3.5	38

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19	Humoral and mucosal defense molecules rhythmically oscillate during a light–dark cycle in permit, <i>Trachinotus falcatus</i> . <i>Fish and Shellfish Immunology</i> , 2015, 47, 902-912.	3.6	37
20	Nutritional impacts on fish mucosa: immunostimulants, pre- and probiotics. , 2015, , 211-272.		35
21	The optimum velocity for Atlantic salmon post-smolts in RAS is a compromise between muscle growth and fish welfare. <i>Aquaculture</i> , 2021, 532, 736076.	3.5	31
22	Interplay between daily rhythmic serum-mediated bacterial killing activity and immune defence factors in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Fish and Shellfish Immunology</i> , 2018, 72, 418-425.	3.6	30
23	Differential expression of immune and stress genes in the skin of Atlantic cod (<i>Gadus morhua</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 158-162.	1.0	28
24	Probiotics–pathogen interactions elicit differential regulation of cutaneous immune responses in epidermal cells of Atlantic cod <i>Gadus morhua</i> . <i>Fish and Shellfish Immunology</i> , 2014, 36, 113-119.	3.6	26
25	The Effects of Ozone on Atlantic Salmon Post-Smolt in Brackish Water–Establishing Welfare Indicators and Thresholds. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5109.	4.1	26
26	Vitamin C Mitigates Oxidative Stress and Behavioral Impairments Induced by Deltamethrin and Lead Toxicity in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12714.	4.1	26
27	Bacterial viability differentially influences the immunomodulatory capabilities of potential host-derived probiotics in the intestinal epithelial cells of Atlantic cod <i>Gadus morhua</i> . <i>Journal of Applied Microbiology</i> , 2014, 116, 990-998.	3.1	25
28	Pathogenic characteristics of <i>Aeromonas veronii</i> isolated from the liver of a diseased guppy (<i>Poecilia reticulata</i>). <i>Letters in Applied Microbiology</i> , 2018, 67, 476-483.	2.2	23
29	Dietary inclusion of Antarctic krill meal during the finishing feed period improves health and fillet quality of Atlantic salmon (<i>Salmo salar</i> L.). <i>British Journal of Nutrition</i> , 2020, 124, 418-431.	2.3	23
30	Responses of Atlantic cod <i>Gadus morhua</i> head kidney leukocytes to phytase produced by gastrointestinal-derived bacteria. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 883-891.	2.3	18
31	Oxidant-induced modifications in the mucosal transcriptome and circulating metabolome of Atlantic salmon. <i>Aquatic Toxicology</i> , 2020, 227, 105625.	4.0	18
32	Decay of peracetic acid in seawater and implications for its chemotherapeutic potential in aquaculture. <i>Aquaculture Environment Interactions</i> , 2020, 12, 153-165.	1.8	17
33	Antioxidative, histological and immunological responses of rainbow trout after periodic and continuous exposures to a peracetic acid-based disinfectant. <i>Aquaculture</i> , 2020, 520, 734956.	3.5	16
34	Transcriptome Responses of Atlantic Salmon (<i>Salmo salar</i> L.) to Viral and Bacterial Pathogens, Inflammation, and Stress. <i>Frontiers in Immunology</i> , 2021, 12, 705601.	4.8	16
35	Oxidative Chemical Stressors Alter the Physiological State of the Nasal Olfactory Mucosa of Atlantic Salmon. <i>Antioxidants</i> , 2020, 9, 1144.	5.1	15
36	Temporal control of responses to chemically induced oxidative stress in the gill mucosa of Atlantic salmon (<i>Salmo salar</i>). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 205, 111851.	3.8	15

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37	Survey findings of disinfection strategies at selected Norwegian and North American land-based RAS facilities: A comparative insight. <i>Aquaculture</i> , 2021, 532, 736038.	3.5	15
38	Transcription of selected immune-related genes in spleen cells of cod, <i>Gadus morhua</i> following incubation with alginic acid and β -glucan. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 416-417, 202-207.	1.5	13
39	Crowding reshapes the mucosal but not the systemic response repertoires of Atlantic salmon to peracetic acid. <i>Aquaculture</i> , 2021, 531, 735830.	3.5	13
40	Intermittent administration of peracetic acid is a mild environmental stressor that elicits mucosal and systemic adaptive responses from Atlantic salmon post-smolts. <i>BMC Zoology</i> , 2022, 7, .	1.0	13
41	Rhythmicity and plasticity of digestive physiology in a euryhaline teleost fish, permit (<i>Trachinotus</i>) Tj ETQq1 1 0.784314 rgBT /Overlook 2017, 212, 107-116.	1.8	11
42	Dynamic morphometrics of mucous cells reveal the minimal impact of therapeutic doses of peracetic acid on Atlantic salmon gill health. <i>Aquaculture</i> , 2021, 534, 736315.	3.5	11
43	Morphomolecular alterations in the skin mucosa of Atlantic salmon (<i>Salmo salar</i>) after exposure to peracetic acid-based disinfectant. <i>Aquaculture Reports</i> , 2020, 17, 100368.	1.7	10
44	The gut mucosal barrier of zebrafish (<i>Danio rerio</i>) responds to the time-restricted delivery of <i>Lobosphaera incisa</i> -enriched diets. <i>Fish and Shellfish Immunology</i> , 2019, 89, 368-377.	3.6	9
45	Secretory Proteins in the Skin Mucus of Nile Tilapia (<i>Oreochromis niloticus</i>) are Modulated Temporally by Photoperiod and Bacterial Endotoxin Cues. <i>Fishes</i> , 2019, 4, 57.	1.7	9
46	Impact of ozone treatment on dissolved organic matter in land-based recirculating aquaculture systems studied by Fourier transform ion cyclotron resonance mass spectrometry. <i>Science of the Total Environment</i> , 2022, 843, 157009.	8.0	9
47	Acute dose-response exposure of a peracetic acid-based disinfectant to Atlantic salmon parr reared in recirculating aquaculture systems. <i>Aquaculture</i> , 2022, 554, 738142.	3.5	8
48	Short-term handling stress affects the humoral immune responses of juvenile Atlantic cod, <i>Gadus morhua</i> . <i>Aquaculture International</i> , 2014, 22, 1283-1293.	2.2	7
49	Consequences of continuous ozonation on the health and welfare of Atlantic salmon post-smolts in a brackish water recirculating aquaculture system. <i>Aquatic Toxicology</i> , 2021, 238, 105935.	4.0	7
50	Multimiomics Provide Insights into the Key Molecules and Pathways Involved in the Physiological Adaptation of Atlantic Salmon (<i>Salmo salar</i>) to Chemotherapeutic-Induced Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 1931.	5.1	7
51	First report of <i>Streptococcus parauberis</i> in a cultured freshwater ornamental fish, the ram cichlid <i>Mikrogeophagus ramirezi</i> (Myers & Harry, 1948). <i>Journal of Fish Diseases</i> , 2018, 41, 161-164.	1.9	6
52	Exogenous sulphide donors modify the gene expression patterns of Atlantic salmon nasal leukocytes. <i>Fish and Shellfish Immunology</i> , 2022, 120, 1-10.	3.6	6
53	Evaluation of a Recirculating Aquaculture System Research Facility Designed to Address Current Knowledge Needs in Atlantic Salmon Production. <i>Frontiers in Animal Science</i> , 2022, 3, .	1.9	6
54	Unmethylated CpG oligodeoxynucleotides activate head kidney leukocytes of Atlantic cod, <i>Gadus morhua</i> . <i>Fish Physiology and Biochemistry</i> , 2010, 36, 1151-1158.	2.3	5

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55	In vitro and ex vivo models indicate that the molecular clock in fast skeletal muscle of Atlantic cod is not autonomous. <i>Molecular Biology Reports</i> , 2014, 41, 6679-6689.	2.3	5
56	Cortisol levels and expression of selected stress- and apoptosis-related genes in the embryos of Atlantic cod, <i>Gadus morhua</i> following short-term exposure to air. <i>International Aquatic Research</i> , 2015, 7, 75-84.	1.5	5
57	Activation of intestinal epithelial cells in Atlantic cod, <i>Gadus morhua</i> , induced by algal derivatives. <i>Aquaculture Research</i> , 2012, 43, 1194-1199.	1.8	4
58	Mode of Application of Peracetic Acid-Based Disinfectants has a Minimal Influence on the Antioxidant Defences and Mucosal Structures of Atlantic Salmon (<i>Salmo salar</i>) Parr. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	2
59	The 1 st international symposium on mucosal health in aquaculture “MHA2019. <i>Tissue Barriers</i> , 2020, 8, 1712177.	3.2	1
60	The circulating plasma metabolome of <i>Neoparamoeba perurans</i> -infected Atlantic salmon (<i>Salmo salar</i>). <i>Microbial Pathogenesis</i> , 2022, 166, 105553.	2.9	1
61	Health and Welfare of Atlantic Salmon in FishGLOBE V5 “a Novel Closed Containment System at Sea. <i>Frontiers in Animal Science</i> , 0, 3, .	1.9	0