

Roger Huerlimann

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,571
citations

489802

18
h-index

371746

37
g-index

52
all docs

52
docs citations

52
times ranked

2688
citing authors

#	ARTICLE	IF	CITATIONS
1	Using bacterial whole genome sequencing to identify toxin genes associated with disease outbreaks in black tiger shrimp (<i>Penaeus monodon</i>) aquaculture production. <i>Aquaculture</i> , 2022, 546, 737255.	1.7	1
2	The bacterial gut microbiome of probiotic-treated very-preterm infants: changes from admission to discharge. <i>Pediatric Research</i> , 2022, 92, 142-150.	1.1	11
3	Genome assembly of the Australian black tiger shrimp (<i>Penaeus monodon</i>) reveals a novel fragmented IHHNV EVE sequence. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	9
4	To Probiotic or Not to Probiotic: A Metagenomic Comparison of the Discharge Gut Microbiome of Infants Supplemented With Probiotics in NICU and Those Who Are Not. <i>Frontiers in Pediatrics</i> , 2022, 10, 838559.	0.9	5
5	The interplay of fungal and bacterial microbiomes on rainforest frogs following a disease outbreak. <i>Ecosphere</i> , 2022, 13, .	1.0	4
6	Microbiome diversity and dysbiosis in aquaculture. <i>Reviews in Aquaculture</i> , 2021, 13, 1077-1096.	4.6	74
7	Validation of eDNA as a viable method of detection for dangerous cubozoan jellyfish. <i>Environmental DNA</i> , 2021, 3, 769-779.	3.1	15
8	Methods for exploring the faecal microbiome of premature infants: a review. <i>Maternal Health, Neonatology and Perinatology</i> , 2021, 7, 11.	1.0	3
9	Improved detection sensitivity using an optimal eDNA preservation and extraction workflow and its application to threatened sawfishes. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2131-2148.	0.9	10
10	Using Green Sea Turtles (<i>Chelonia mydas</i>) as Essential Bioindicators for Monitoring Antibiotic Resistance in Marine Environments Worldwide: A Critical Appraisal. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
11	Testudines as Sentinels for Monitoring the Dissemination of Antibiotic Resistance in Marine Environments: An Integrative Review. <i>Antibiotics</i> , 2021, 10, 775.	1.5	6
12	Digital Droplet PCR-Based Environmental DNA Tool for Monitoring Cryptocaryon irritans in a Marine Fish Farm from Hong Kong. <i>Diversity</i> , 2021, 13, 350.	0.7	7
13	Microbial Diversity Profiling of Gut Microbiota of <i>Macropus giganteus</i> Using Three Hypervariable Regions of the Bacterial 16S rRNA. <i>Microorganisms</i> , 2021, 9, 1721.	1.6	3
14	First detection of critically endangered scalloped hammerhead sharks (<i>Sphyrna lewini</i>) in Guam, Micronesia, in five decades using environmental DNA. <i>Ecological Indicators</i> , 2021, 127, 107649.	2.6	20
15	Next Generation Sequencing of Single Nucleotide Polymorphic DNA-Markers in Selecting for Intramuscular Fat, Fat Melting Point, Omega-3 Long-Chain Polyunsaturated Fatty Acids and Meat Eating Quality in Tattykeel Australian White MARGRA Lamb. <i>Foods</i> , 2021, 10, 2288.	1.9	8
16	Novel Allergen Discovery through Comprehensive De Novo Transcriptomic Analyses of Five Shrimp Species. <i>International Journal of Molecular Sciences</i> , 2021, 22, 32.	1.8	15
17	Molecular evidence for horizontal transmission of chelonid alphaherpesvirus 5 at green turtle (<i>Chelonia mydas</i>) foraging grounds in Queensland, Australia. <i>PLoS ONE</i> , 2020, 15, e0227268.	1.1	23
18	Can environmental DNA be used for aquatic biosecurity in the aquarium fish trade?. <i>Biological Invasions</i> , 2020, 22, 1011-1025.	1.2	5

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19	Genetics of Omega-3 Long-Chain Polyunsaturated Fatty Acid Metabolism and Meat Eating Quality in Tattykeel Australian White Lambs. <i>Genes</i> , 2020, 11, 587.	1.0	21
20	Enhancing tropical conservation and ecology research with aquatic environmental DNA methods: an introduction for non-environmental DNA specialists. <i>Animal Conservation</i> , 2020, 23, 632-645.	1.5	34
21	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.	1.2	12
22	Microbiome diversity and composition varies across body areas in a freshwater turtle. <i>Microbiology (United Kingdom)</i> , 2020, 166, 440-452.	0.7	15
23	Multi-species transcriptomics reveals evolutionary diversity in the mechanisms regulating shrimp tail muscle excitation-contraction coupling. <i>Gene</i> , 2020, 752, 144765.	1.0	4
24	How does marker choice affect your diet analysis: comparing genetic markers and digestion levels for diet metabarcoding of tropical-reef piscivores. <i>Marine and Freshwater Research</i> , 2019, 70, 8.	0.7	27
25	microDecon: A highly accurate read-subtraction tool for the post-sequencing removal of contamination in metabarcoding studies. <i>Environmental DNA</i> , 2019, 1, 14-25.	3.1	115
26	Bacterial signatures of productivity decay in <i>Penaeus monodon</i> ponds infected with PirA toxin. <i>Aquaculture</i> , 2019, 511, 734202.	1.7	14
27	Bacteriophage versus antibiotic therapy on gut bacterial communities of juvenile green turtle, <i>Chelonia mydas</i> . <i>Environmental Microbiology</i> , 2019, 21, 2871-2885.	1.8	14
28	Parasitic protozoan interactions with bacterial microbiome in a tropical fish farm. <i>Aquaculture</i> , 2019, 502, 196-201.	1.7	26
29	Methods for normalizing microbiome data: An ecological perspective. <i>Methods in Ecology and Evolution</i> , 2019, 10, 389-400.	2.2	225
30	Comparative analysis of gut bacterial communities of green turtles (<i>Chelonia mydas</i>) pre-hospitalization and post-rehabilitation by high-throughput sequencing of bacterial 16S rRNA gene. <i>Microbiological Research</i> , 2018, 207, 91-99.	2.5	45
31	Adverse effect of early-life high-fat/high-carbohydrate (Western) diet on bacterial community in the distal bowel of mice. <i>Nutrition Research</i> , 2018, 50, 25-36.	1.3	20
32	Integrating complementary methods to improve diet analysis in fishery-targeted species. <i>Ecology and Evolution</i> , 2018, 8, 9503-9515.	0.8	38
33	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.	1.6	48
34	The State of Omics Research for Farmed Penaeids: Advances in Research and Impediments to Industry Utilization. <i>Frontiers in Genetics</i> , 2018, 9, 282.	1.1	22
35	Toxic effects of polyethylene terephthalate microparticles and Di(2-ethylhexyl)phthalate on the calanoid copepod, <i>Parvocalanus crassirostris</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 298-305.	2.9	88
36	Responses of mixed methanotrophic consortia to variable Cu ²⁺ /Fe ²⁺ ratios. <i>Journal of Environmental Management</i> , 2017, 197, 159-166.	3.8	9

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37	Response of mixed methanotrophic consortia to different methane to oxygen ratios. Waste Management, 2017, 61, 220-228.	3.7	17
38	Fecal bacterial communities of wild-captured and stranded green turtles (<i>Chelonia mydas</i>) on the Great Barrier Reef. FEMS Microbiology Ecology, 2017, 93, .	1.3	44
39	Increased expression and secretion of recombinant hIFN β through amino acid starvation-induced selective pressure on the adjacent HIS4 gene in <i>Pichia pastoris</i> . Acta Facultatis Pharmaceuticae Universitatis Comeniana, 2015, 62, 43-50.	0.2	1
40	Phylogenetic Analysis of Nucleus-Encoded Acetyl-CoA Carboxylases Targeted at the Cytosol and Plastid of Algae. PLoS ONE, 2015, 10, e0131099.	1.1	9
41	Microalgal Classification. , 2015, , 25-41.		33
42	The effect of nitrogen limitation on acetyl-CoA carboxylase expression and fatty acid content in <i>Chromera velia</i> and <i>Isochrysis aff. galbana</i> (TISO). Gene, 2014, 543, 204-211.	1.0	22
43	Effects of growth phase and nitrogen starvation on expression of fatty acid desaturases and fatty acid composition of <i>Isochrysis aff. galbana</i> (TISO). Gene, 2014, 545, 36-44.	1.0	24
44	Comprehensive guide to acetyl-carboxylases in algae. Critical Reviews in Biotechnology, 2013, 33, 49-65.	5.1	92
45	Growth, lipid content, productivity, and fatty acid composition of tropical microalgae for scale-up production. Biotechnology and Bioengineering, 2010, 107, 245-257.	1.7	324
46	Exploring the long-term colonisation and persistence of probiotic-prophylaxis species on the gut microbiome of preterm infants: a pilot study. European Journal of Pediatrics, 0, , .	1.3	4