

Andrea C Alfaro

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

2,416
citations

185998

28
h-index

253896

43
g-index

103
all docs

103
docs citations

103
times ranked

1963
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of trophic interactions within an estuarine food web (northern New Zealand) using fatty acid biomarkers and stable isotopes. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 70, 271-286.	0.9	207
2	Showcasing metabolomic applications in aquaculture: a review. <i>Reviews in Aquaculture</i> , 2018, 10, 135-152.	4.6	114
3	Benthic macro-invertebrate community composition within a mangrove/seagrass estuary in northern New Zealand. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 66, 97-110.	0.9	98
4	Metabolomics Study of Immune Responses of New Zealand Greenshell, Mussels (<i>Perna canaliculus</i>) Infected with Pathogenic <i>Vibrio</i> sp.. <i>Marine Biotechnology</i> , 2018, 20, 396-409.	1.1	82
5	Bottom-drifting algal/mussel spat associations along a sandy coastal region in northern New Zealand. <i>Aquaculture</i> , 2004, 241, 269-290.	1.7	60
6	Copper-induced immunomodulation in mussel (<i>Perna canaliculus</i>) haemocytes. <i>Metallomics</i> , 2018, 10, 965-978.	1.0	58
7	Metabolic and immunological responses of male and female new Zealand Greenshell, mussels (<i>Perna</i>) Tj ETQq1 1 0.784314 rgBT /Qv 1.5 56	1.5	56
8	Geological imprint of methane seepage on the seabed and biota of the convergent Hikurangi Margin, New Zealand: Box core and grab carbonate results. <i>Marine Geology</i> , 2010, 272, 285-306.	0.9	51
9	Temporal patterns of arrival of beachcast green-lipped mussel (<i>Perna canaliculus</i>) spat harvested for aquaculture in New Zealand and its relationship with hydrodynamic and meteorological conditions. <i>Aquaculture</i> , 2010, 302, 208-218.	1.7	50
10	Differential expression of novel metabolic and immunological biomarkers in oysters challenged with a virulent strain of OsHV-1. <i>Developmental and Comparative Immunology</i> , 2017, 73, 229-245.	1.0	50
11	Metabolomic strategies for aquaculture research: a primer. <i>Reviews in Aquaculture</i> , 2018, 10, 26-56.	4.6	50
12	Population dynamics of the green-lipped mussel, <i>Perna canaliculus</i> , at various spatial and temporal scales in northern New Zealand. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 334, 294-315.	0.7	46
13	Regulatory effects of mussel (<i>Aulacomya maoriana</i> Iredale 1915) larval settlement by neuroactive compounds, amino acids and bacterial biofilms. <i>Aquaculture</i> , 2011, 322-323, 158-168.	1.7	46
14	Chemical cues promote settlement in larvae of the green-lipped mussel, <i>Perna canaliculus</i> . <i>Aquaculture International</i> , 2006, 14, 405-412.	1.1	45
15	The role of bacterial biofilms and exudates on the settlement of mussel (<i>Perna canaliculus</i>) larvae. <i>Aquaculture</i> , 2010, 306, 388-392.	1.7	45
16	Effect of water flow and oxygen concentration on early settlement of the New Zealand green-lipped mussel, <i>Perna canaliculus</i> . <i>Aquaculture</i> , 2005, 246, 285-294.	1.7	43
17	Variability in mussel settlement on suspended ropes placed at Ahipara Bay, Northland, New Zealand. <i>Aquaculture</i> , 2003, 216, 115-126.	1.7	41
18	The complex interactions of <i>Ostreid herpesvirus 1</i> , <i>Vibrio</i> bacteria, environment and host factors in mass mortality outbreaks of <i>Crassostrea gigas</i> . <i>Reviews in Aquaculture</i> , 2019, 11, 1148-1168.	4.6	41

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19	Tissue-specific immune responses to <i>Vibrio</i> sp. infection in mussels (<i>Perna canaliculus</i>): A metabolomics approach. <i>Aquaculture</i> , 2019, 500, 118-125.	1.7	41
20	Diet of <i>Littoraria scabra</i> , while vertically migrating on mangrove trees: Gut content, fatty acid, and stable isotope analyses. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 718-726.	0.9	40
21	Itaconic acid inhibits growth of a pathogenic marine <i>Vibrio</i> strain: A metabolomics approach. <i>Scientific Reports</i> , 2019, 9, 5937.	1.6	39
22	Evidence of cannibalism and benthic-pelagic coupling within the life cycle of the mussel, <i>Perna canaliculus</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 329, 206-217.	0.7	37
23	Multi-strain probiotics enhance immune responsiveness and alters metabolic profiles in the New Zealand black-footed abalone (<i>Haliotis iris</i>). <i>Fish and Shellfish Immunology</i> , 2018, 82, 330-338.	1.6	37
24	Effects of mangrove removal on benthic communities and sediment characteristics at Mangawhai Harbour, northern New Zealand. <i>ICES Journal of Marine Science</i> , 2010, 67, 1087-1104.	1.2	36
25	Impact of acute handling stress, anaesthesia, and euthanasia on fish plasma biochemistry: implications for veterinary screening and metabolomic sampling. <i>Fish Physiology and Biochemistry</i> , 2019, 45, 1485-1494.	0.9	35
26	A metabolomics approach to assess the effect of storage conditions on metabolic processes of New Zealand surf clam (<i>Crassula aequilatera</i>). <i>Aquaculture</i> , 2019, 498, 315-321.	1.7	33
27	Applications of omics to investigate responses of bivalve haemocytes to pathogen infections and environmental stress. <i>Aquaculture</i> , 2020, 518, 734488.	1.7	33
28	Targeted metabolomics to investigate antimicrobial activity of itaconic acid in marine molluscs. <i>Metabolomics</i> , 2019, 15, 97.	1.4	31
29	Effect of neuroactive compounds on the settlement of mussel (<i>Perna canaliculus</i>) larvae. <i>Aquaculture</i> , 2011, 319, 277-283.	1.7	30
30	Spatial variation of heavy metals in sediments within a temperate mangrove ecosystem in northern New Zealand. <i>Marine Pollution Bulletin</i> , 2018, 135, 790-800.	2.3	29
31	Byssal attachment of juvenile mussels, <i>Perna canaliculus</i> , affected by water motion and air bubbles. <i>Aquaculture</i> , 2006, 255, 357-361.	1.7	28
32	Omics approaches to investigate host-pathogen interactions in mass mortality outbreaks of <i>Crassostrea gigas</i> . <i>Reviews in Aquaculture</i> , 2019, 11, 1308-1324.	4.6	26
33	Metabolomics investigation of summer mortality in New Zealand Greenshell mussels (<i>Perna</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	26
34	Aerobic scope and oxygen regulation of New Zealand geoduck (<i>Panopea zelandica</i>) in response to progressive hypoxia. <i>Aquaculture</i> , 2016, 463, 28-36.	1.7	24
35	A Review on Biodiversity, Ecosystem Services, and Perceptions of New Zealand's Mangroves: Can We Make Informed Decisions about Their Removal?. <i>Resources</i> , 2018, 7, 23.	1.6	23
36	Physiological stress associated with mechanical harvesting and transport of cultured mussels (<i>Perna</i>) Tj ETQq0 0 0 rgBT /Overlock 10	1.7	23

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37	New fossil mussels (Bivalvia: Mytilidae) from Miocene hydrocarbon seep deposits, North Island, New Zealand, with general remarks on vent and seep mussels. <i>Zootaxa</i> , 2010, 2577, 1.	0.2	22
38	Leaf Stable Isotope and Nutrient Status of Temperate Mangroves As Ecological Indicators to Assess Anthropogenic Activity and Recovery from Eutrophication. <i>Frontiers in Plant Science</i> , 2016, 7, 1922.	1.7	22
39	Metabolic responses of whiteleg shrimp to white spot syndrome virus (WSSV). <i>Journal of Invertebrate Pathology</i> , 2021, 180, 107545.	1.5	22
40	An integrated omics approach to investigate summer mortality of New Zealand Greenshellâ„¢ mussels. <i>Metabolomics</i> , 2020, 16, 100.	1.4	20
41	Untargeted metabolomics in halophytes: The role of different metabolites in New Zealand mangroves under multi-factorial abiotic stress conditions. <i>Environmental and Experimental Botany</i> , 2020, 173, 103993.	2.0	20
42	Applications of flow cytometry in molluscan immunology: Current status and trends. <i>Fish and Shellfish Immunology</i> , 2019, 94, 239-248.	1.6	19
43	In vitro study of apoptosis in mussel (<i>Perna canaliculus</i>) haemocytes induced by lipopolysaccharide. <i>Aquaculture</i> , 2019, 503, 8-15.	1.7	19
44	Title is missing!. <i>Molluscan Research</i> , 2003, 23, 223.	0.2	19
45	Metabolic profiling of mussel larvae: effect of handling and culture conditions. <i>Aquaculture International</i> , 2016, 24, 843-856.	1.1	18
46	Characterisation of Chinook salmon (<i>Oncorhynchus tshawytscha</i>) blood and validation of flow cytometry cell count and viability assay kit. <i>Fish and Shellfish Immunology</i> , 2019, 88, 179-188.	1.6	18
47	Food and habitat partitioning in grazing snails (<i>Turbo smaragdus</i>), Northern New Zealand. <i>Estuaries and Coasts</i> , 2007, 30, 431-440.	1.0	17
48	Advances in salmonid fish immunology: A review of methods and techniques for lymphoid tissue and peripheral blood leucocyte isolation and application. <i>Fish and Shellfish Immunology</i> , 2019, 95, 44-80.	1.6	16
49	Variability of growth, health, and population turnover within mussel beds of <i>Perna canaliculus</i> in northern New Zealand. <i>Marine Biology Research</i> , 2008, 4, 376-383.	0.3	15
50	Effect of dietary protein and temperature on the growth and health of juvenile New Zealand black-footed abalone (<i>Haliotis iris</i>). <i>Aquaculture Research</i> , 2011, 42, 366-385.	0.9	15
51	Putative involvement of adrenergic receptors in regulation of mussel (<i>Perna canaliculus</i>) larval settlement. <i>Marine Biology Research</i> , 2015, 11, 655-665.	0.3	15
52	Immune response in probiotic-fed New Zealand black-footed abalone (<i>Haliotis iris</i>) under <i>Vibrio splendidus</i> challenge. <i>Fish and Shellfish Immunology</i> , 2020, 104, 633-639.	1.6	15
53	Characterization of biofilm exudates and their effects on settlement of mussel (<i>Perna canaliculus</i>) larvae. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 434-435, 34-46.	0.7	14
54	Uncoupling Thermotolerance and Growth Performance in Chinook Salmon: Blood Biochemistry and Immune Capacity. <i>Metabolites</i> , 2021, 11, 547.	1.3	14

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55	Metabolomics in salmonid aquaculture research: Applications and future perspectives. <i>Reviews in Aquaculture</i> , 2022, 14, 547-577.	4.6	14
56	Migration and trail affinity of snails, <i>Littoraria scabra</i> , on mangrove trees of Nananu-i-ra, Fiji Islands. <i>Marine and Freshwater Behaviour and Physiology</i> , 2007, 40, 247-255.	0.4	13
57	Biomass and nutrient composition of temperate mangroves (<i>Avicennia marina</i> var. <i>australasica</i>) in New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2017, 51, 427-442.	0.8	13
58	Establishing sampling confidence parameters: Effect of sampling and transport conditions on haemocyte and metabolite profiles of Greenshell mussels. <i>Aquaculture</i> , 2021, 538, 736538.	1.7	13
59	Characterisation ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ isotopes) of the food webs in a New Zealand stream in the Waitakere Ranges, with emphasis on the trophic level of the endemic frog <i>Leiopelma hochstetteri</i> . <i>New Zealand Journal of Zoology</i> , 2009, 36, 165-176.	0.6	12
60	Alternative Protein Sources in Artificial Diets for New Zealand's Black-footed Abalone, <i>Haliotis iris</i> , Martyn 1784, Juveniles. <i>Journal of the World Aquaculture Society</i> , 2012, 43, 1-29.	1.2	12
61	Establishing the thermal window for aerobic scope in New Zealand geoduck clams (<i>Panopea</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3 <i>Physiology</i> , 2017, 187, 265-276.	0.7	12
62	In vitro immune response of chinook salmon (<i>Oncorhynchus tshawytscha</i>) peripheral blood mononuclear cells stimulated by bacterial lipopolysaccharide. <i>Fish and Shellfish Immunology</i> , 2019, 94, 190-198.	1.6	12
63	Temporal variations of trace metals and a metalloid in temperate estuarine mangrove sediments. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 780.	1.3	12
64	Sedimentary and elemental dynamics as a function of the elevation profile in a semi-arid mangrove toposequence. <i>Catena</i> , 2019, 173, 289-301.	2.2	12
65	Development stage of cryopreserved mussel (<i>Perna canaliculus</i>) larvae influences post-thaw impact on shell formation, organogenesis, neurogenesis, feeding ability and survival. <i>Cryobiology</i> , 2020, 93, 121-132.	0.3	12
66	Trace metal dynamics in soils and plants along intertidal gradients in semi-arid mangroves (New) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 <i>Environmental Monitoring and Assessment</i> , 2019, 191, 780.	2.3	12
67	Functional morphology and performance of New Zealand geoduck clam (<i>Panopea zelandica</i>) larvae reared in a flow-through system. <i>Aquaculture</i> , 2017, 468, 32-44.	1.7	11
68	Stocks and soil-plant transfer of macro-nutrients and trace metals in temperate New Zealand estuarine mangroves. <i>Plant and Soil</i> , 2019, 436, 565-586.	1.8	11
69	Metabolic and immune responses of Chinook salmon (<i>Oncorhynchus tshawytscha</i>) smolts to a short-term poly (I:C) challenge. <i>Journal of Fish Biology</i> , 2020, 96, 731-746.	0.7	11
70	Omics research on abalone (<i>Haliotis</i> spp.): Current state and perspectives. <i>Aquaculture</i> , 2022, 547, 737438.	1.7	11
71	Urban-rural gradients in the distribution of trace metals in sediments within temperate mangroves (New Zealand). <i>Marine Pollution Bulletin</i> , 2019, 149, 110614.	2.3	10
72	Enabling and driving aquaculture growth in New Zealand through innovation. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2014, 48, 311-313.	0.8	9

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73	Mangrove removal: Effects on trace metal concentrations in temperate estuarine sediments. <i>Marine Chemistry</i> , 2019, 216, 103688.	0.9	9
74	Development of a microencapsulated probiotic delivery system for New Zealand black-footed abalone (<i>Haliotis iris</i>). <i>Pharmaceutical Development and Technology</i> , 2021, 26, 390-402.	1.1	9
75	The Effects of Live Transport on Metabolism and Stress Responses of Abalone (<i>Haliotis iris</i>). <i>Metabolites</i> , 2021, 11, 748.	1.3	9
76	Investigation of early mussel (<i>Perna canaliculus</i>) development using histology, SEM imaging, immunochemistry and confocal microscopy. <i>Marine Biology Research</i> , 2017, 13, 314-329.	0.3	8
77	The role of aquafeeds in abalone nutrition and health: A comprehensive review. <i>Journal of the World Aquaculture Society</i> , 2023, 54, 7-31.	1.2	8
78	Effect of antiaggregants on the in vitro viability, cell count and stability of abalone (<i>Haliotis iris</i>) haemocytes. <i>Fish and Shellfish Immunology</i> , 2018, 78, 131-139.	1.6	7
79	Evaluation of immune stimulatory products for whiteleg shrimp (<i>Penaeus vannamei</i>) by a metabolomics approach. <i>Fish and Shellfish Immunology</i> , 2022, 120, 421-428.	1.6	7
80	The effects of bacterial cell suspensions on mussel (<i>Perna canaliculus</i>) larval settlement. <i>Aquaculture</i> , 2012, 350-353, 143-146.	1.7	6
81	Beyond relaxed: magnesium chloride anaesthesia alters the circulatory metabolome of a marine mollusc (<i>Perna canaliculus</i>). <i>Metabolomics</i> , 2021, 17, 73.	1.4	6
82	Effects of Dietary Protein Source and Amount on Shell Morphology of Juvenile Abalone <i>Haliotis iris</i> . <i>Journal of Fisheries and Aquatic Science</i> , 2011, 6, 107-118.	0.1	6
83	Practical fertilization procedure and embryonic development of the New Zealand geoduck clam (<i>Panopea zelandica</i>). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2018, 98, 475-484.	0.4	5
84	Metabolite profiling of abalone (<i>Haliotis iris</i>) energy metabolism: a Chatham Islands case study. <i>Metabolomics</i> , 2022, 18, .	1.4	5
85	Tidal migration influences the zonation of grazing snails (<i>Turbo smaragdus</i>) in a mangrove-seagrass estuary, Northern New Zealand. <i>Estuaries and Coasts</i> , 2006, 29, 731-736.	1.0	4
86	Effect of neuroactive compounds on larval metamorphosis of New Zealand geoduck (<i>Panopea</i>)	0.9	4
87	Muddied Waters: Perceptions and Attitudes towards Mangroves and Their Removal in New Zealand. <i>Sustainability</i> , 2019, 11, 2631.	1.6	4
88	Dual Analysis of Virus-Host Interactions: The Case of Ostreid herpesvirus 1 and the Cupped Oyster <i>Crassostrea gigas</i> . <i>Evolutionary Bioinformatics</i> , 2019, 15, 117693431983130.	0.6	4
89	The secret lives of mangroves: Exploring New Zealand's urban mangroves with integrated biodiversity assessments. <i>Ocean and Coastal Management</i> , 2020, 191, 105185.	2.0	4
90	Chitosan coated alginate beads as probiotic delivery system for New Zealand black footed abalone (<i>Haliotis iris</i>). <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	4

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91	Biochemical composition of New Zealand geoduck clam broodstock (<i>Panopea zelandica</i>) conditioned under different temperature and feeding regimes. <i>Aquaculture Research</i> , 2017, 48, 1799-1814.	0.9	3
92	Allometric scaling of physiological rates in the New Zealand geoduck clam, <i>Panopea zelandica</i> . <i>Aquaculture</i> , 2017, 473, 105-109.	1.7	3
93	Effects of temperature on early development of the New Zealand geoduck <i>Panopea zelandica</i> (Quoy & Gaimard, 1835). <i>Aquaculture Research</i> , 2020, 51, 751-760.	0.9	3
94	Haematological and metabolic profiles associated with age and sex in giant kokopu (<i>Galaxias</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.7	3
95	Faunal composition within algal mats and adjacent habitats on Likuri Island, Fiji Islands. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2009, 89, 295-302.	0.4	2
96	Effect of anticoagulants on farmed giant kokopu, <i>Galaxias argenteus</i> (Gmelin 1789) haematological parameters and erythrocyte fragility. <i>Journal of Fish Biology</i> , 2021, 99, 684-689.	0.7	2
97	Effects of Dual Microalgal Species Biofilms on New Zealand Black-Footed Abalone (<i>Haliotis iris</i>) Larval/Post-Larval Processes. <i>Journal of Applied Aquaculture</i> , 2011, 23, 14-31.	0.7	1
98	Polyinosinic:polycytidylic acid in vivo enhances Chinook salmon (<i>Oncorhynchus tshawytscha</i>) immunity and alters the fish metabolome. <i>Aquaculture International</i> , 2020, 28, 2437-2463.	1.1	1
99	Influence of habitat on meiofaunal abundance and distribution in a New Zealand temperate estuary. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2022, 56, 107-134.	0.8	1
100	Physiological responses of juvenile New Zealand geoduck (<i>Panopea zelandica</i>) following emersion and recovery. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 41, 100929.	0.4	1
101	Characterization of mussel (<i>Perna canaliculus</i>) haemocytes and their phagocytic activity across seasons. <i>Aquaculture Research</i> , 2022, 53, 4288-4303.	0.9	1
102	Haematological and metabolic profiles of brooder giant kokopu, <i>Galaxias argenteus</i> (Gmelin 1789) based on sex and temperature. <i>Aquaculture Research</i> , 0, , .	0.9	0
103	Metabolomics investigation into summer mortality events of Greenshell mussels (<i>Perna canaliculus</i>) in New Zealand. , 2022, , 245-257.		0