

Fernando L Garc a-Carre o

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1255850/publications.pdf>

Version: 2024-02-01

72
papers

2,971
citations

147801
31
h-index

168389
53
g-index

72
all docs

72
docs citations

72
times ranked

2130
citing authors

#	ARTICLE	IF	CITATIONS
1	The hurdles of delivery CRISPR-Cas9 components for gene editing in penaeid shrimps. <i>Aquaculture Research</i> , 2021, 52, 5297-5306.	1.8	5
2	The role of shrimp microRNA in immune response and beyond. <i>Reviews in Aquaculture</i> , 2020, 12, 176-185.	9.0	3
3	Proteolytic profile of larval developmental stages of <i>Penaeus vannamei</i> : An activity and mRNA expression approach. <i>PLoS ONE</i> , 2020, 15, e0239413.	2.5	2
4	The toolbox for protein digestion in decapod crustaceans: a review. <i>Reviews in Aquaculture</i> , 2019, 11, 1005-1021.	9.0	14
5	Techniques for protein digestion research in Decapoda: A review. <i>Trends in Food Science and Technology</i> , 2019, 89, 65-75.	15.1	2
6	The protease-based compensatory mechanism to minimize the effect of dietary Soybean Trypsin Inhibitor in <i>Litopenaeus vannamei</i> . <i>Aquaculture</i> , 2019, 500, 18-23.	3.5	10
7	American lobster Cathepsin D, an aspartic peptidase resistant to proteolysis and active in organic solvents, non-ionic detergents and salts. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1501-1509.	7.5	6
8	Is digestive cathepsin D the rule in decapod crustaceans?. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 215, 31-38.	1.6	17
9	Advances in the study of activity additivity of supplemented proteases to improve digestion of feed protein by <i>Penaeus vannamei</i> . <i>Aquaculture Nutrition</i> , 2017, 23, 414-421.	2.7	6
10	Peptidase compensation in the digestive system of whiteleg shrimp <i>Penaeus vannamei</i> against dietary Kunitz-type soybean trypsin inhibitor. <i>Aquaculture Nutrition</i> , 2017, 23, 1095-1103.	2.7	8
11	<i>Litopenaeus vannamei</i> digestive metallo peptidases compensate for anti-nutritional SBTI in feed. <i>Aquaculture</i> , 2017, 473, 508-512.	3.5	5
12	Proteinases during Early Development of the Pacific Whiteleg Shrimp <i>Penaeus vannamei</i> . <i>Biological Bulletin</i> , 2017, 232, 2-11.	1.8	7
13	A Synergistic Peptidase Network Mediates Food Protein Digestion in the American Lobster <i>Homarus americanus</i> (Edwards, 1837). <i>Journal of Shellfish Research</i> , 2016, 35, 1067-1074.	0.9	2
14	Complementary Proteomic and Biochemical Analysis of Peptidases in Lobster Gastric Juice Uncovers the Functional Role of Individual Enzymes in Food Digestion. <i>Marine Biotechnology</i> , 2016, 18, 201-214.	2.4	11
15	A chymotrypsin from the Digestive Tract of California Spiny Lobster, <i>Panulirus interruptus</i> : Purification and Biochemical Characterization. <i>Marine Biotechnology</i> , 2015, 17, 416-427.	2.4	16
16	Biochemical characterisation of chymotrypsin from the midgut gland of yellowleg shrimp, <i>Penaeus californiensis</i> . <i>Food Chemistry</i> , 2015, 173, 147-155.	8.2	16
17	Marine Viruses: the Beneficial Side of a Threat. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 2368-2379.	2.9	5
18	Exogenous proteinases as feed supplement for shrimp: <i>in vitro</i> evaluation. <i>Aquaculture Nutrition</i> , 2013, 19, 731-740.	2.7	17

#	ARTICLE	IF	CITATIONS
19	Cold-Adapted Digestive Aspartic Protease of the Clawed Lobsters <i>Homarus americanus</i> and <i>Homarus gammarus</i> : Biochemical Characterization. <i>Marine Biotechnology</i> , 2013, 15, 87-96.	2.4	13
20	Title is missing!. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2013, 13, .	0.9	4
21	Cuticular chitin synthase and chitinase mRNA of whiteleg shrimp <i>Litopenaeus vannamei</i> during the molting cycle. <i>Aquaculture</i> , 2012, 330-333, 111-115.	3.5	61
22	Effect of fasting on digestive gland lipase transcripts expression in <i>Penaeus vannamei</i> . <i>Marine Genomics</i> , 2011, 4, 273-278.	1.1	28
23	Comparison of digestive proteinases in three penaeids. <i>Aquaculture</i> , 2011, 317, 99-106.	3.5	23
24	Purification and characterization of an intracellular lipase from pleopods of whiteleg shrimp (<i>Litopenaeus vannamei</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 158, 99-105.	1.6	32
25	Catalytic subunits $atp\hat{1}\pm$ and $atp\hat{1}^2$ from the Pacific white shrimp <i>Litopenaeus vannamei</i> FOF1 ATP-synthase complex: cDNA sequences, phylogenies, and mRNA quantification during hypoxia. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 119-133.	2.3	19
26	Purification and Biochemical Characterization of Digestive Lipase in Whiteleg Shrimp. <i>Marine Biotechnology</i> , 2011, 13, 284-295.	2.4	29
27	Aspartic Cathepsin D Endopeptidase Contributes to Extracellular Digestion in Clawed Lobsters <i>Homarus americanus</i> and <i>Homarus gammarus</i> . <i>Marine Biotechnology</i> , 2010, 12, 696-707.	2.4	37
28	Isolation, biochemical characterization, and molecular modeling of American lobster digestive cathepsin D1. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 157, 394-400.	1.6	16
29	Digestive lipase activity through development and after fasting and re-feeding in the whiteleg shrimp <i>Penaeus vannamei</i> . <i>Aquaculture</i> , 2010, 300, 163-168.	3.5	22
30	Functional Properties of Protein from Frozen Mantle and Fin of Jumbo Squid <i>Dosidicus gigas</i> in Function of pH and Ionic Strength. <i>Food Science and Technology International</i> , 2010, 16, 451-458.	2.2	12
31	EFFECT OF pH AND TEMPERATURE ON JUMBO SQUID PROTEINS. <i>Journal of Food Biochemistry</i> , 2009, 33, 260-272.	2.9	10
32	PROTEIN SOLUBILITY AND PRODUCTION OF GELS FROM JUMBO SQUID. <i>Journal of Food Biochemistry</i> , 2009, 33, 273-290.	2.9	13
33	Properties of recovered solids from stick-water treated by centrifugation and pH shift. <i>Food Chemistry</i> , 2009, 114, 197-203.	8.2	17
34	Protein isolates from jumbo squid (<i>Dosidicus gigas</i>) by pH-shift processing. <i>Process Biochemistry</i> , 2009, 44, 584-587.	3.7	27
35	Nuclear and mitochondrial subunits from the white shrimp <i>Litopenaeus vannamei</i> FOF1 ATP-synthase complex: cDNA sequence, molecular modeling, and mRNA quantification of $atp9$ and $atp6$. <i>Journal of Bioenergetics and Biomembranes</i> , 2008, 40, 359-369.	2.3	11
36	Invertebrate trypsin: a review. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 655-672.	1.5	113

#	ARTICLE	IF	CITATIONS
37	Effect of storage at 0 °C on mantle proteins and functional properties of jumbo squid. <i>International Journal of Food Science and Technology</i> , 2008, 43, 1263-1270.	2.7	14
38	Phenoloxidase Activity of Hemocyanin in Whiteleg Shrimp <i>Penaeus vannamei</i> : Conversion, Characterization of Catalytic Properties, and Role in Postmortem Melanosis. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6454-6459.	5.2	80
39	The effect of proteinase inhibitors in food protein hydrolysis by digestive proteinases of white shrimp (<i>Penaeus vannamei</i>) larvae. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 120-126.	3.5	5
40	Concentrates of fish protein from bycatch species produced by various drying processes. <i>Food Chemistry</i> , 2007, 100, 705-711.	8.2	42
41	Digestive proteases of three carps <i>Catla catla</i> , <i>Labeo rohita</i> and <i>Hypophthalmichthys molitrix</i> : partial characterization and protein hydrolysis efficiency. <i>Aquaculture Nutrition</i> , 2007, 13, 381-388.	2.7	35
42	COMPARISON OF FREEZING AND THAWING TREATMENTS ON MUSCLE PROPERTIES OF WHITELEG SHRIMP (<i>LITOPENAEUS VANNAMEI</i>). <i>Journal of Food Biochemistry</i> , 2007, 31, 563-576.	2.9	49
43	Effect of short-term starvation on hepatopancreas and plasma energy reserves of the Pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 340, 184-193.	1.5	156
44	Usage of energy reserves in crustaceans during starvation: Status and future directions. <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 241-249.	2.7	158
45	Characterization and comparison of digestive proteinases of the Cortez swimming crab, <i>Callinectes bellicosus</i> , and the arched swimming crab, <i>Callinectes arcuatus</i> . <i>Invertebrate Biology</i> , 2006, 125, 125-135.	0.9	20
46	Purification and biochemical characterization of chymotrypsin from the viscera of Monterey sardine (<i>Sardinops sagax caeruleus</i>). <i>Food Chemistry</i> , 2006, 99, 252-259.	8.2	57
47	Aspartic proteinases in the digestive tract of marine decapod crustaceans. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 645-654.	1.3	50
48	Whiteleg shrimp (<i>Litopenaeus vannamei</i> , Boone, 1931) isotrypsins: Their genotype and modulation. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 326, 105-113.	1.5	23
49	Starvation and diet composition affect mRNA levels of the high density-lipoprotein- β 2 glucan binding protein in the shrimp <i>Litopenaeus vannamei</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 209-216.	1.6	13
50	Characterization of Proteases in the Digestive System of Spiny Lobster (<i>Panulirus interruptus</i>). <i>Marine Biotechnology</i> , 2004, 6, 262-269.	2.4	54
51	Characterization of acidic proteolytic enzymes from Monterey sardine (<i>Sardinops sagax caerulea</i>) viscera. <i>Food Chemistry</i> , 2004, 85, 343-350.	8.2	71
52	Trypsin Synthesis and Storage as Zymogen in the Midgut Gland of the Shrimp <i>Litopenaeus Vannamei</i> . <i>Journal of Crustacean Biology</i> , 2004, 24, 266-273.	0.8	43
53	<i>Penaeus vannamei</i> isotrypsins: purification and characterization. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 138, 155-162.	1.6	53
54	Testing feeds and feed ingredients for juvenile pink shrimp <i>Farfantepenaeus paulensis</i> : in vitro determination of protein digestibility and proteinase inhibition. <i>Aquaculture</i> , 2004, 239, 307-321.	3.5	46

#	ARTICLE	IF	CITATIONS
55	Digestive enzymes in juvenile green abalone, <i>Haliotis fulgens</i> , fed natural food. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 134, 143-150.	1.6	33
56	Effects of dietary protein on the activity and mRNA level of trypsin in the midgut gland of the white shrimp <i>Penaeus vannamei</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 135, 373-383.	1.6	66
57	Ontogenetic variation in digestive proteinase activity, RNA and DNA content of larval and postlarval white shrimp <i>Litopenaeus schmitti</i> . <i>Aquaculture</i> , 2002, 214, 363-380.	3.5	33
58	Digestive proteinases of <i>Brycon orbignyanus</i> (Characidae, Teleostei): characteristics and effects of protein quality. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 132, 343-352.	1.6	50
59	Influence of molting and starvation on the synthesis of proteolytic enzymes in the midgut gland of the white shrimp <i>Penaeus vannamei</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002, 133, 383-394.	1.6	90
60	TRYPSIN AND TRYPSIN INHIBITORS FROM PENAEID SHRIMP. <i>Journal of Food Biochemistry</i> , 2002, 26, 233-251.	2.9	11
61	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 2001, 24, 179-189.	2.3	31
62	The Effect on Growth and Protein Digestibility of Shrimp <i>Penaeus stylirostris</i> . <i>Journal of Aquatic Food Product Technology</i> , 2001, 10, 35-48.	1.4	3
63	Protein digestion in penaeid shrimp: digestive proteinases, proteinase inhibitors and feed digestibility. <i>Aquaculture</i> , 2000, 186, 89-105.	3.5	74
64	pH-stat method to predict protein digestibility in white shrimp (<i>Penaeus vannamei</i>). <i>Aquaculture</i> , 1997, 157, 251-262.	3.5	65
65	Protein-hydrolyzing enzymes in the digestive systems of the adult Mexican blue abalone, <i>Haliotis fulgens</i> (Gastropoda). <i>Aquaculture</i> , 1997, 157, 325-336.	3.5	31
66	PURIFICATION AND CHARACTERIZATION OF CHYMOTRYPSIN FROM PENAEUS VANNAMEI (CRUSTACEA: Tj ETQq0.0.0 rgBT /Overlock 1	2.9	50
67	EFFECTS OF FEED DIETS ON DIGESTIVE PROTEASES FROM THE HEPATOPANCREAS OF WHITE SHRIMP (<i>Penaeus vannamei</i>). <i>Journal of Food Biochemistry</i> , 1997, 21, 401-419.	2.9	42
68	Proteinase inhibitors. <i>Trends in Food Science and Technology</i> , 1996, 7, 197-204.	15.1	46
69	Enzymes with Peptidase and Proteinase Activity from the Digestive Systems of a Freshwater and a Marine Decapod. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 1456-1461.	5.2	98
70	Substrate-Gel Electrophoresis for Composition and Molecular Weight of Proteinases or Proteinaceous Proteinase Inhibitors. <i>Analytical Biochemistry</i> , 1993, 214, 65-69.	2.4	445
71	CHARACTERIZATION OF PROTEINASE CLASSES IN LANGOSTILLA (PLEURONCODES PLANIPES) AND CRAYFISH (PACIFASTACUS ASTACUS) EXTRACTS. <i>Journal of Food Biochemistry</i> , 1993, 17, 97-113.	2.9	192
72	Separation and isolation of lymphocyte subpopulations of different affinity for the antigen. <i>Immunology Letters</i> , 1984, 8, 101-106.	2.5	3