Fernando L GarcÃ-a-CarreÃ±o

List of Publications by Year
in descending order

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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	Substrate-Gel Electrophoresis for Composition and Molecular Weight of Proteinases or Proteinaceous Proteinase Inhibitors. Analytical Biochemistry, 1993, 214, 65-69.	2.4	445
2	CHARACTERIZATION OF PROTEINASE CLASSES IN LANGOSTILLA (PLEURONCODES PLANIPES) AND CRAYFISH (PACIFASTACUS ASTACUS) EXTRACTS. Journal of Food Biochemistry, 1993, 17, 97-113.	2.9	192
3	Usage of energy reserves in crustaceans during starvation: Status and future directions. Insect Biochemistry and Molecular Biology, 2006, 36, 241-249.	2.7	158
4	Effect of short-term starvation on hepatopancreas and plasma energy reserves of the Pacific white shrimp (Litopenaeus vannamei). Journal of Experimental Marine Biology and Ecology, 2007, 340, 184-193.	1.5	156
5	Invertebrate trypsins: a review. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2008, 178, 655-672.	1.5	113
6	Enzymes with Peptidase and Proteinase Activity from the Digestive Systems of a Freshwater and a Marine Decapod. Journal of Agricultural and Food Chemistry, 1994, 42, 1456-1461.	5.2	98
7	Influence of molting and starvation on the synthesis of proteolytic enzymes in the midgut gland of the white shrimp Penaeus vannamei. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 133, 383-394.	1.6	90
8	Phenoloxidase Activity of Hemocyanin in Whiteleg Shrimp Penaeus vannamei: Conversion, Characterization of Catalytic Properties, and Role in Postmortem Melanosis. Journal of Agricultural and Food Chemistry, 2008, 56, 6454-6459.	5.2	80
9	Protein digestion in penaeid shrimp: digestive proteinases, proteinase inhibitors and feed digestibility. Aquaculture, 2000, 186, 89-105.	3.5	74
10	Characterization of acidic proteolytic enzymes from Monterey sardine (Sardinops sagax caerulea) viscera. Food Chemistry, 2004, 85, 343-350.	8.2	71
11	Effects of dietary protein on the activity and mRNA level of trypsin in the midgut gland of the white shrimp Penaeus vannamei. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 135, 373-383.	1.6	66
12	pH-stat method to predict protein digestibility in white shrimp (Penaeus vannamei). Aquaculture, 1997, 157, 251-262.	3.5	65
13	Cuticular chitin synthase and chitinase mRNA of whiteleg shrimp Litopenaeus vannamei during the molting cycle. Aquaculture, 2012, 330-333, 111-115.	3.5	61
14	Purification and biochemical characterization of chymotrypsin from the viscera of Monterey sardine (Sardinops sagax caeruleus). Food Chemistry, 2006, 99, 252-259.	8.2	57
15	Characterization of Proteases in the Digestive System of Spiny Lobster (Panulirus interruptus). Marine Biotechnology, 2004, 6, 262-269.	2.4	54
16	Penaeus vannamei isotrypsins: purification and characterization. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 138, 155-162.	1.6	53
17	PURIFICATION AND CHARACTERIZATION OF CHYMOTRYPSIN FROM PENAEUS VANNAMEI (CRUSTACEA:) Tj ETQq1 1 0.784314 rgBT /	2.9	50
18	Digestive proteinases of Brycon orbignyanus (Characidae, Teleostei): characteristics and effects of protein quality. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 132, 343-352.	1.6	50

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19	Aspartic proteinases in the digestive tract of marine decapod crustaceans. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2006, 305A, 645-654.	1.3	50
20	COMPARISON OF FREEZING AND THAWING TREATMENTS ON MUSCLE PROPERTIES OF WHITELEG SHRIMP (LITOPENAEUS VANNAMEI). Journal of Food Biochemistry, 2007, 31, 563-576.	2.9	49
21	Proteinase inhibitors. Trends in Food Science and Technology, 1996, 7, 197-204.	15.1	46
22	Testing feeds and feed ingredients for juvenile pink shrimp Farfantepenaeus paulensis: in vitro determination of protein digestibility and proteinase inhibition. Aquaculture, 2004, 239, 307-321.	3.5	46
23	Trypsin Synthesis and Storage as Zymogen in the Midgut Gland of the Shrimp Litopenaeus Vannamei. Journal of Crustacean Biology, 2004, 24, 266-273.	0.8	43
24	EFFECTS OF FEED DIETS ON DIGESTIVE PROTEASES FROM THE HEPATOPANCREAS OF WHITE SHRIMP (Penaeus vannamei). Journal of Food Biochemistry, 1997, 21, 401-419.	2.9	42
25	Concentrates of fish protein from bycatch species produced by various drying processes. Food Chemistry, 2007, 100, 705-711.	8.2	42
26	Aspartic Cathepsin D Endopeptidase Contributes to Extracellular Digestion in Clawed Lobsters Homarus americanus and Homarus gammarus. Marine Biotechnology, 2010, 12, 696-707.	2.4	37
27	Digestive proteases of three carps Catla catla, Labeo rohita and Hypophthalmichthys molitrix: partial characterization and protein hydrolysis efficiency. Aquaculture Nutrition, 2007, 13, 381-388.	2.7	35
28	Ontogenetic variation in digestive proteinase activity, RNA and DNA content of larval and postlarval white shrimp Litopenaeus schmitti. Aquaculture, 2002, 214, 363-380.	3.5	33
29	Digestive enzymes in juvenile green abalone, Haliotis fulgens, fed natural food. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 134, 143-150.	1.6	33
30	Purification and characterization of an intracellular lipase from pleopods of whiteleg shrimp (Litopenaeus vannamei). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 158, 99-105.	1.6	32
31	Protein-hydrolyzing enzymes in the digestive systems of the adult Mexican blue abalone, Haliotis fulgens (Gastropoda). Aquaculture, 1997, 157, 325-336.	3.5	31
32	Title is missing!. Fish Physiology and Biochemistry, 2001, 24, 179-189.	2.3	31
33	Purification and Biochemical Characterization of Digestive Lipase in Whiteleg Shrimp. Marine Biotechnology, 2011, 13, 284-295.	2.4	29
34	Effect of fasting on digestive gland lipase transcripts expression in Penaeus vannamei. Marine Genomics, 2011, 4, 273-278.	1.1	28
35	Protein isolates from jumbo squid (Dosidicus gigas) by pH-shift processing. Process Biochemistry, 2009, 44, 584-587.	3.7	27
36	Whiteleg shrimp (Litopenaeus vannamei, Boone, 1931) isotrypsins: Their genotype and modulation. Journal of Experimental Marine Biology and Ecology, 2005, 326, 105-113.	1.5	23

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37	Comparison of digestive proteinases in three penaeids. Aquaculture, 2011, 317, 99-106.	3.5	23
38	Digestive lipase activity through development and after fasting and re-feeding in the whiteleg shrimp Penaeus vannamei. Aquaculture, 2010, 300, 163-168.	3.5	22
39	Characterization and comparison of digestive proteinases of the Cortez swimming crab, Callinectes bellicosus, and the arched swimming crab, Callinectes arcuatus. Invertebrate Biology, 2006, 125, 125-135.	0.9	20
40	Catalytic subunits atpÎ± and atpÎ² from the Pacific white shrimp Litopenaeus vannamei FOF1 ATP-synthase complex: cDNA sequences, phylogenies, and mRNA quantification during hypoxia. Journal of Bioenergetics and Biomembranes, 2011, 43, 119-133.	2.3	19
41	Properties of recovered solids from stick-water treated by centrifugation and pH shift. Food Chemistry, 2009, 114, 197-203.	8.2	17
42	Exogenous proteinases as feed supplement for shrimp:in vitroevaluation. Aquaculture Nutrition, 2013, 19, 731-740.	2.7	17
43	Is digestive cathepsin D the rule in decapod crustaceans?. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 215, 31-38.	1.6	17
44	Isolation, biochemical characterization, and molecular modeling of American lobster digestive cathepsin D1. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 157, 394-400.	1.6	16
45	A chymotrypsin from the Digestive Tract of California Spiny Lobster, Panulirus interruptus: Purification and Biochemical Characterization. Marine Biotechnology, 2015, 17, 416-427.	2.4	16
46	Biochemical characterisation of chymotrypsin from the midgut gland of yellowleg shrimp, Penaeus californiensis. Food Chemistry, 2015, 173, 147-155.	8.2	16
47	Effect of storage at 0 Â°C on mantle proteins and functional properties of jumbo squid. International Journal of Food Science and Technology, 2008, 43, 1263-1270.	2.7	14
48	The toolbox for protein digestion in decapod crustaceans: a review. Reviews in Aquaculture, 2019, 11, 1005-1021.	9.0	14
49	Starvation and diet composition affect mRNA levels of the high density-lipoprotein-Î² glucan binding protein in the shrimp Litopenaeus vannamei. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 142, 209-216.	1.6	13
50	PROTEIN SOLUBILITY AND PRODUCTION OF GELS FROM JUMBO SQUID. Journal of Food Biochemistry, 2009, 33, 273-290.	2.9	13
51	Cold-Adapted Digestive Aspartic Protease of the Clawed Lobsters Homarus americanus and Homarus gammarus: Biochemical Characterization. Marine Biotechnology, 2013, 15, 87-96.	2.4	13
52	Functional Properties of Protein from Frozen Mantle and Fin of Jumbo Squid Dosidicus gigas in Function of pH and Ionic Strength. Food Science and Technology International, 2010, 16, 451-458.	2.2	12
53	TRYPSIN AND TRYPSIN INHIBITORS FROM PENAEID SHRIMP. Journal of Food Biochemistry, 2002, 26, 233-251.	2.9	11
54	Nuclear and mitochondrial subunits from the white shrimp Litopenaeus vannamei F0F1 ATP-synthase complex: cDNA sequence, molecular modeling, and mRNA quantification of atp9 and atp6. Journal of Bioenergetics and Biomembranes, 2008, 40, 359-369.	2.3	11

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55	Complementary Proteomic and Biochemical Analysis of Peptidases in Lobster Gastric Juice Uncovers the Functional Role of Individual Enzymes in Food Digestion. Marine Biotechnology, 2016, 18, 201-214.	2.4	11
56	EFFECT OF pH AND TEMPERATURE ON JUMBO SQUID PROTEINS. Journal of Food Biochemistry, 2009, 33, 260-272.	2.9	10
57	The protease-based compensatory mechanism to minimize the effect of dietary Soybean Trypsin Inhibitor in Litopenaeus vannamei. Aquaculture, 2019, 500, 18-23.	3.5	10
58	Peptidase compensation in the digestive system of whiteleg shrimp Penaeus vannamei against dietary Kunitz-type soybean trypsin inhibitor. Aquaculture Nutrition, 2017, 23, 1095-1103.	2.7	8
59	Proteinases during Early Development of the Pacific Whiteleg Shrimp Penaeus vannamei. Biological Bulletin, 2017, 232, 2-11.	1.8	7
60	Advances in the study of activity additivity of supplemented proteases to improve digestion of feed protein byPenaeus vannamei. Aquaculture Nutrition, 2017, 23, 414-421.	2.7	6
61	American lobster Cathepsin D, an aspartic peptidase resistant to proteolysis and active in organic solvents, non-ionic detergents and salts. International Journal of Biological Macromolecules, 2018, 107, 1501-1509.	7.5	6
62	The effect of proteinase inhibitors in food protein hydrolysis by digestive proteinases of white shrimp (Penaeus vannamei) larvae. Journal of the Science of Food and Agriculture, 2007, 87, 120-126.	3.5	5
63	Marine Viruses: the Beneficial Side of a Threat. Applied Biochemistry and Biotechnology, 2014, 174, 2368-2379.	2.9	5
64	Litopenaeus vannamei digestive metallo peptidases compensate for anti-nutritional SBTI in feed. Aquaculture, 2017, 473, 508-512.	3.5	5
65	The hurdles of delivery CRISPRâ€Cas9 components for gene editing in penaeid shrimps. Aquaculture Research, 2021, 52, 5297-5306.	1.8	5
66	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2013, 13, .	0.9	4
67	Separation and isolation of lymphocyte subpopulations of different affinity for the antigen. Immunology Letters, 1984, 8, 101-106.	2.5	3
68	The Effect on Growth and Protein Digestibility of ShrimpPenaeus stylirrostris. Journal of Aquatic Food Product Technology, 2001, 10, 35-48.	1.4	3
69	The role of shrimp micro<scp>RNA</scp>s in immune response and beyond. Reviews in Aquaculture, 2020, 12, 176-185.	9.0	3
70	A Synergistic Peptidase Network Mediates Food Protein Digestion in the American LobsterHomarus americanus(Edwards, 1837). Journal of Shellfish Research, 2016, 35, 1067-1074.	0.9	2
71	Techniques for protein digestion research in Decapoda: A review. Trends in Food Science and Technology, 2019, 89, 65-75.	15.1	2
72	Proteolytic profile of larval developmental stages of Penaeus vannamei: An activity and mRNA expression approach. PLoS ONE, 2020, 15, e0239413.	2.5	2