Francisco Vargas-Albores

List of Publications by Year
in descending order

79	2,895	136885 32	182361 51
papers	citations	h-index	g-index

79	79	79	2234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An anticoagulant solution for haemolymph collection and prophenoloxidase studies of penaeid shrimp (Penaeus californiensis). Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 106, 299-303.	0.7	225
2	Beta glucan binding protein and its role in shrimp immune response. Aquaculture, 2000, 191, 13-21.	1.7	183
3	Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1996, 113, 61-66.	0.5	151
4	Structural and functional differences of Litopenaeus vannamei crustins. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 138, 415-422.	0.7	109
5	cDNA cloning of the lysozyme of the white shrimp Penaeus vannamei. Fish and Shellfish Immunology, 2003, 15, 325-331.	1.6	107
6	Microbial metagenomics in aquaculture: a potential tool for a deeper insight into the activity. Reviews in Aquaculture, 2017, 9, 42-56.	4.6	100
7	Hemolymph metabolic variables and immune response in Litopenaeus setiferus adult males: the effect of acclimation. Aquaculture, 2001, 198, 13-28.	1.7	95
8	Proteins and amino acids in beers, their contents and relationships with other analytical data. Food Chemistry, 1999, 67, 71-78.	4.2	84
9	Prophenoloxidase from brown shrimp (Penaeus californiensis) hemocytes. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 122, 77-82.	0.7	73
10	A plasma protein isolated from brown shrimp (Penaeus californiensis) which enhances the activation of prophenoloxidase system by Î²-1,3-glucan. Developmental and Comparative Immunology, 1996, 20, 299-306.	1.0	72
11	Significant loss of sensitivity and specificity in the taxonomic classification occurs when short 16S rRNA gene sequences are used. Heliyon, 2016, 2, e00170.	1.4	72
12	Haemolymph metabolic variables and immune response in Litopenaeus setiferus adult males: the effect of an extreme temperature. Aquaculture, 2003, 218, 637-650.	1.7	68
13	Bacterial biota of shrimp intestine is significantly modified by the use of a probiotic mixture: a high throughput sequencing approach. Helgoland Marine Research, 2017, 71, .	1.3	63
14	The nitrification process for nitrogen removal in biofloc system aquaculture. Reviews in Aquaculture, 2020, 12, 2228-2249.	4.6	63
15	Influence of temperature and salinity on the yellowleg shrimp, Penaeus californieinsis Holmes, prophenoloxidase system. Aquaculture Research, 1998, 29, 549-553.	0.9	60
16	Influence of temperature and salinity on the yellowleg shrimp,Penaeus californieinsisHolmes, prophenoloxidase system. Aquaculture Research, 1998, 29, 549-553.	0.9	55
17	Molecular cloning of a Î²-glucan pattern-recognition lipoprotein from the white shrimp Penaeus (Litopenaeus) vannamei: correlations between the deduced amino acid sequence and the native protein structure. Developmental and Comparative Immunology, 2004, 28, 713-726.	1.0	54
18	Phenoloxidase activity in larval and juvenile homogenates and adult plasma and haemocytes of bivalve molluscs. Fish and Shellfish Immunology, 2003, 15, 275-282.	1.6	51

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19	A single WAP domain-containing protein from Litopenaeus vannamei hemocytes. Biochemical and Biophysical Research Communications, 2004, 314, 681-687.	1.0	51
20	Purification and Comparison of Î²-1,3-Glucan Binding Protein From White Shrimp (Penaeus vannamei). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 116, 453-458.	0.7	48
21	Penaeid shrimp hemolymph lipoproteins. Aquaculture, 2000, 191, 177-189.	1.7	48
22	A microplate technique to quantify nutrients (NO2 â^' , NO3 â^' , NH4 + and PO4 3â^') in seawater. Aquaculture Research, 2003, 34, 1201-1204.	0.9	48
23	Characterisation of a serine proteinase from Penaeus vannamei haemocytes. Fish and Shellfish Immunology, 2005, 18, 101-108.	1.6	46
24	Effect of Calcium on the Prophenoloxidase System Activation of the Brown Shrimp (Penaeus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 419-425.	0.7	43
25	Variation of pH, osmolality, sodium and potassium concentrations in the haemolymph of sub-adult blue shrimp (Ps) according to size. Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 102, 1-5.	0.7	42
26	Purification and characterization of the clotting protein from the white shrimp Penaeus vannamei. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 122, 381-387.	0.7	42
27	How conserved are the conserved 16S-rRNA regions?. PeerJ, 2017, 5, e3036.	0.9	39
28	Purification and characterization of Î±2-macroglobulin from the white shrimp (Penaeus vannamei). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2003, 134, 431-438.	1.3	37
29	Shrimp plasma HDL and Î²-glucan binding protein (BGBP): comparison of biochemical characteristics. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 121, 309-314.	0.7	34
30	A four-Kazal domain protein in Litopenaeus vannamei hemocytes. Developmental and Comparative Immunology, 2005, 29, 385-391.	1.0	34
31	Studying long 16S rDNA sequences with ultrafast-metagenomic sequence classification using exact alignments (Kraken). Journal of Microbiological Methods, 2016, 122, 38-42.	0.7	34
32	Synthesis of Hemolymph High-Density Lipoprotein Î²-Glucan Binding Protein by Penaeus vannamei Shrimp Hepatopancreas. Marine Biotechnology, 2000, 2, 485-492.	1.1	33
33	Changes in Trichoderma asperellum enzyme expression during parasitism of the cotton root rot pathogen Phymatotrichopsis omnivora. Fungal Biology, 2015, 119, 264-273.	1.1	31
34	Crustins are distinctive members of the WAP-containing protein superfamily: An improved classification approach. Developmental and Comparative Immunology, 2017, 76, 9-17.	1.0	30
35	A lipopolysaccharide-binding agglutinin isolated from brown shrimp (Penaeus californiensis Holmes) haemolymph. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 104, 407-413.	0.2	29
36	In the spiny lobster (Panulirus interruptus) the prophenoloxidase is located in plasma not in haemocytes. Fish and Shellfish Immunology, 2003, 14, 105-114.	1.6	28

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37	Molecular characterization of the bifunctional VHDL-CP from the hemolymph of white shrimp Penaeus vannamei. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 132, 585-592.	0.7	27
38	A secretory leukocyte proteinase inhibitor (SLPI)-like protein from Litopenaeus vannamei haemocytes. Fish and Shellfish Immunology, 2007, 23, 1119-1126.	1.6	27
39	Inferring the functional properties of bacterial communities in shrimp-culture bioflocs produced with amaranth and wheat seeds as fouler promoters. Aquaculture, 2019, 500, 107-117.	1.7	26
40	Amino Acids and Lipids of the Plasma HDL from the White Shrimp Penaeus vannamei Boone. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 118, 91-96.	0.7	23
41	Effect of supplementing heterotrophic and photoautotrophic biofloc, on the production response, physiological condition and post-harvest quality of the whiteleg shrimp, Litopenaeus vannamei. Aquaculture Reports, 2020, 16, 100257.	0.7	23
42	Amaranth and wheat grains tested as nucleation sites of microbial communities to produce bioflocs used for shrimp culture. Aquaculture, 2018, 497, 503-509.	1.7	22
43	Molecular characterization of vitellin from the ovaries of the white shrimp Penaeus (Litopenaeus) vannamei. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 133, 361-369.	0.7	21
44	Taxonomic and functional changes in the microbiota of the white shrimp (Litopenaeus vannamei) associated with postlarval ontogenetic development. Aquaculture, 2020, 518, 734842.	1.7	20
45	Longitudinal variations in the gastrointestinal microbiome of the white shrimp, Litopenaeus vannamei. PeerJ, 2021, 9, e11827.	0.9	20
46	Functional characterization of Farfantepenaeus californiensis, Litopenaeus vannamei and L. stylirostris haemocyte separated using density gradient centrifugation. Aquaculture Research, 2005, 36, 352-360.	0.9	19
47	Size-dependent haemagglutinating activity in the haemolymph from sub-adult blue shrimp (Penaeus) Tj ETQq1 1 0.784314 rgBT /Ove 487-491.	0.7	17
48	Sequence and Conservation of a rRNA and tRNAVal Mitochondrial Gene Fragment from Penaeus californiensis and Comparison with Penaeus vannamei and Penaeus stylirostris. Marine Biotechnology, 2002, 4, 392-398.	1.1	16
49	Biofilm consumption shapes the intestinal microbiota of shrimp (Penaeus vannamei). Aquaculture Nutrition, 2019, 25, 427-435.	1.1	16
50	Haemolytic activity in the brown shrimp (Penaeus californiensis holmes) haemolymph. Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 106, 271-275.	0.7	15
51	Immunophysiological Response of Pacific White Shrimp Exposed to a Probiotic Mixture of Proteobacteria and Firmicutes in Farm Conditions. North American Journal of Aquaculture, 2016, 78, 193-202.	0.7	15
52	Size-variable zone in V3 region of 16S rRNA. RNA Biology, 2017, 14, 1514-1521.	1.5	14
53	Purification and Characterization of A Lectin from Phaseolus Acu-Tifolius Var. Latifolius. Preparative Biochemistry and Biotechnology, 1987, 17, 379-396.	0.4	13
54	Single IB domain (SIBD) protein from Litopenaeus vannamei, a novel member for the IGFBP family. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2008, 3, 270-274.	0.4	13

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55	Proteinase Activity in the White Shrimp (Penaeus vannamei) Clotting Protein. Biochemical and Biophysical Research Communications, 2001, 287, 332-336.	1.0	12
56	1,3-Î²-D glucan binding protein (BGBP) from the white shrimp, Penaeus vannamei, is also a heparin binding protein. Fish and Shellfish Immunology, 2002, 13, 171-181.	1.6	12
57	ISOFORMS OF LITOPENAEUS VANNAMEI ANTI-LIPOPOLYSACCHARIDE AND ITS EXPRESSION BY BACTERIAL CHALLENGE. Journal of Shellfish Research, 2007, 26, 1169-1175.	0.3	12
58	The expression of protein disulfide isomerase from Litopenaeus vannamei hemocytes is regulated by bacterial inoculation. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2009, 4, 141-146.	0.4	12
59	High-resolution detection of bacterial profile of ocean water, before and after being used by shrimp farms. Aquaculture International, 2017, 25, 1833-1843.	1.1	12
60	Arabinoxylans and gelled arabinoxylans used as anti-obesogenic agents could protect the stability of intestinal microbiota of rats consuming high-fat diets. International Journal of Food Sciences and Nutrition, 2020, 71, 74-83.	1.3	12
61	A computer program to calculate superoxide dismutase activity in crude extracts. Journal of Microbiological Methods, 1993, 17, 239-244.	0.7	10
62	Isolation of an Immunosuppressive Lectin fromPhaseolus vulgarisL. cv Cacahuate Using Stroma. Preparative Biochemistry and Biotechnology, 1993, 23, 473-483.	0.4	10
63	Quantification of pathogenic marine vibrio using membrane filter technique. Journal of Microbiological Methods, 1995, 21, 143-149.	0.7	9
64	Microcalorimetric measurement of Trichoderma spp. growth at different temperatures. Thermochimica Acta, 2010, 509, 40-45.	1.2	9
65	A new type of Kazal proteinase inhibitor related to shrimp Penaeus (Litopenaeus) vannamei immunity. Fish and Shellfish Immunology, 2012, 33, 134-137.	1.6	8
66	The 16S rRNA gene in the study of marine microbial communities. Ciencias Marinas, 2015, 41, 297-313.	0.4	8
67	Biophysical Evidence of Lipid and Carbohydrate Binding Activities of Shrimp High Density Lipoprotein / B Glucan Binding Protein. Protein and Peptide Letters, 2002, 9, 337-334.	0.4	8
68	Classification of Seven Species of Cactaceae Based on Their Chemical and Biochemical Properties. Bioscience, Biotechnology and Biochemistry, 1995, 59, 2022-2027.	0.6	7
69	Functional metagenomics: a tool to gain knowledge for agronomic and veterinary sciences. Biotechnology and Genetic Engineering Reviews, 2019, 35, 69-91.	2.4	6
70	Gene expression kinetics of the yellow head virus in experimentally infectedLitopenaeus vannamei. Aquaculture Research, 2009, 41, 1432-1443.	0.9	5
71	An efficient strategy using k- mers to analyse 16S rRNA sequences. Heliyon, 2017, 3, e00370.	1.4	5
72	False-positive coliform readings using membrane filter techniques for seawater. Letters in Applied Microbiology, 1994, 19, 483-485.	1.0	3

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73	Stability of some Cactaceae proteins based on fluorescence, circular dichroism, and differential scanning calorimetry measurements. The Protein Journal, 1999, 18, 239-247.	1.1	2
74	Different expression of Litopenaeus vannamei (Boone) haemocytes to Vibrio and abiotic particle inoculation. Aquaculture Research, 2005, 36, 912-919.	0.9	2
75	Population Structure of Digestive Trypsin Phenotypes in Hatcheries for Pacific White Shrimp and Their Frequencies during Growth in Commercial Culture. North American Journal of Aquaculture, 2017, 79, 261-266.	0.7	1
76	Beyond the primary structure of Kazal domains in decapod crustaceans. Journal of Crustacean Biology, 2018, 38, 156-165.	0.3	1
77	Tandem repeat sequences expressed in the hemocytes of Litopenaeus vannamei Boone, 1931 (Decapoda:) Tj ETQq1 1 0.784314 rgBT /C	0.3	0
78	Effect of dietary protein and genetic line of Litopenaeus vannamei on its hepatopancreatic microbiota. Scientia Agricola, 2021, 78, .	0.6	0
79	Microbial bioremediation of aquaculture effluents. , 2022, , 409-417.		0