

Rafael Diego da Rosa

List of Publications by Year in descending order

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49
papers

1,751
citations

236612

25
h-index

276539

41
g-index

49
all docs

49
docs citations

49
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	On the silver jubilee of crustacean antimicrobial peptides. <i>Reviews in Aquaculture</i> , 2022, 14, 594-612.	4.6	25
2	Environment: The key piece completing the host-microbe puzzle. <i>Developmental and Comparative Immunology</i> , 2021, 114, 103825.	1.0	0
3	Farfantepenaeus gene-encoded antimicrobial peptides: Identification, molecular characterization and gene expression in response to fungal infections. <i>Journal of Invertebrate Pathology</i> , 2021, 182, 107586.	1.5	5
4	Big defensin from the scallop <i>Argopecten purpuratus</i> ApBD1 is an antimicrobial peptide which entraps bacteria through nanonets formation. <i>Fish and Shellfish Immunology</i> , 2021, 119, 456-461.	1.6	9
5	A Type IIa crustin from the pink shrimp <i>Farfantepenaeus paulensis</i> (crusFpau) is constitutively synthesized and stored by specific granule-containing hemocyte subpopulations. <i>Fish and Shellfish Immunology</i> , 2020, 97, 294-299.	1.6	18
6	Host Defense Effectors Expressed by Hemocytes Shape the Bacterial Microbiota From the Scallop Hemolymph. <i>Frontiers in Immunology</i> , 2020, 11, 599625.	2.2	11
7	Antimicrobial Peptides and Ectosymbiotic Relationships: Involvement of a Novel Type IIa Crustin in the Life Cycle of a Deep-Sea Vent Shrimp. <i>Frontiers in Immunology</i> , 2020, 11, 1511.	2.2	19
8	Functional Insights From the Evolutionary Diversification of Big Defensins. <i>Frontiers in Immunology</i> , 2020, 11, 758.	2.2	35
9	Environmental rearing conditions are key determinants of changes in immune gene expression patterns in shrimp midgut. <i>Developmental and Comparative Immunology</i> , 2020, 106, 103618.	1.0	7
10	Potential immunomodulatory and protective effects of the <i>Arthrospira</i> -based dietary supplement on shrimp intestinal immune defenses. <i>Fish and Shellfish Immunology</i> , 2019, 88, 47-52.	1.6	14
11	The Ancestral N-Terminal Domain of Big Defensins Drives Bacterially Triggered Assembly into Antimicrobial Nanonets. <i>MBio</i> , 2019, 10, .	1.8	35
12	<i>Litopenaeus vannamei</i> stylicins are constitutively produced by hemocytes and intestinal cells and are differentially modulated upon infections. <i>Fish and Shellfish Immunology</i> , 2019, 86, 82-92.	1.6	14
13	An immune-related gene expression atlas of the shrimp digestive system in response to two major pathogens brings insights into the involvement of hemocytes in gut immunity. <i>Developmental and Comparative Immunology</i> , 2018, 79, 44-50.	1.0	37
14	Massive Gene Expansion and Sequence Diversification Is Associated with Diverse Tissue Distribution, Regulation and Antimicrobial Properties of Anti-Lipopolysaccharide Factors in Shrimp. <i>Marine Drugs</i> , 2018, 16, 381.	2.2	27
15	Carrageenan hydrogel as a scaffold for skin-derived multipotent stromal cells delivery. <i>Journal of Biomaterials Applications</i> , 2018, 33, 422-434.	1.2	42
16	Specific Molecular Signatures for Type II Crustins in Penaeid Shrimp Uncovered by the Identification of Crustin-Like Antimicrobial Peptides in <i>Litopenaeus vannamei</i> . <i>Marine Drugs</i> , 2018, 16, 31.	2.2	32
17	Exploring the Impact of the Biofloc Rearing System and an Oral WSSV Challenge on the Intestinal Bacteriome of <i>Litopenaeus vannamei</i> . <i>Microorganisms</i> , 2018, 6, 83.	1.6	46
18	Morphological and functional characterization of the hemocytes from the pearl oyster <i>Pteria hirundo</i> and their immune responses against <i>Vibrio</i> infections. <i>Fish and Shellfish Immunology</i> , 2017, 70, 750-758.	1.6	12

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19	Immune-related redox metabolism of embryonic cells of the tick <i>Rhipicephalus microplus</i> (BME26) in response to infection with <i>Anaplasma marginale</i> . <i>Parasites and Vectors</i> , 2017, 10, 613.	1.0	26
20	Antimicrobial peptides in marine invertebrate health and disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150300.	1.8	101
21	Transcriptional profiling of immune-related genes in Pacific white shrimp (<i>Litopenaeus vannamei</i>) during ontogenesis. <i>Fish and Shellfish Immunology</i> , 2016, 58, 103-107.	1.6	22
22	A hemocyte-expressed fibrinogen-related protein gene (<i>Lv Frep</i>) from the shrimp <i>Litopenaeus vannamei</i> : Expression analysis after microbial infection and during larval development. <i>Fish and Shellfish Immunology</i> , 2016, 56, 123-126.	1.6	16
23	Virulence genes of <i>Rickettsia rickettsii</i> are differentially modulated by either temperature upshift or blood-feeding in tick midgut and salivary glands. <i>Parasites and Vectors</i> , 2016, 9, 331.	1.0	23
24	Exploring the immune signalling pathway-related genes of the cattle tick <i>Rhipicephalus microplus</i> : From molecular characterization to transcriptional profile upon microbial challenge. <i>Developmental and Comparative Immunology</i> , 2016, 59, 1-14.	1.0	43
25	Molecular characterization of an inhibitor of NF- κ B in the scallop <i>Argopecten purpuratus</i> : First insights into its role on antimicrobial peptide regulation in a mollusk. <i>Fish and Shellfish Immunology</i> , 2016, 52, 85-93.	1.6	29
26	An intimate link between antimicrobial peptide sequence diversity and binding to essential components of bacterial membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 958-970.	1.4	86
27	The new insights into the oyster antimicrobial defense: Cellular, molecular and genetic view. <i>Fish and Shellfish Immunology</i> , 2015, 46, 50-64.	1.6	89
28	High polymorphism in big defensin gene expression reveals presenceâ€“absence gene variability (PAV) in the oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2015, 49, 231-238.	1.0	33
29	Molecular signatures at imminent death: Hemocyte gene expression profiling of shrimp succumbing to viral and fungal infections. <i>Developmental and Comparative Immunology</i> , 2014, 42, 294-301.	1.0	31
30	Antimicrobial Histones and DNA Traps in Invertebrate Immunity. <i>Journal of Biological Chemistry</i> , 2014, 289, 24821-24831.	1.6	87
31	Functional Divergence in Shrimp Anti-Lipopolysaccharide Factors (ALFs): From Recognition of Cell Wall Components to Antimicrobial Activity. <i>PLoS ONE</i> , 2013, 8, e67937.	1.1	73
32	A hemocyte gene expression signature correlated with predictive capacity of oysters to survive <i>Vibrio</i> infections. <i>BMC Genomics</i> , 2012, 13, 252.	1.2	38
33	The Antimicrobial Defense of the Pacific Oyster, <i>Crassostrea gigas</i> . How Diversity may Compensate for Scarcity in the Regulation of Resident/Pathogenic Microflora. <i>Frontiers in Microbiology</i> , 2012, 3, 160.	1.5	80
34	Evidence for a novel biological role for the multifunctional β -1,3-glucan binding protein in shrimp. <i>Molecular Immunology</i> , 2012, 51, 363-367.	1.0	31
35	Alpha2-macroglobulin from an Atlantic shrimp: Biochemical characterization, sub-cellular localization and gene expression upon fungal challenge. <i>Fish and Shellfish Immunology</i> , 2011, 31, 938-943.	1.6	19
36	Molecular cloning and recombinant expression of the VP28 carboxyl-terminal hydrophilic region from a brazilian white spot syndrome virus isolate. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 399-404.	0.5	0

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37	Big Defensins, a Diverse Family of Antimicrobial Peptides That Follows Different Patterns of Expression in Hemocytes of the Oyster <i>Crassostrea gigas</i> . PLoS ONE, 2011, 6, e25594.	1.1	103
38	Detection of infectious myonecrosis virus in penaeid shrimps using immunoassays: usefulness of monoclonal antibodies directed to the viral major capsid protein. Archives of Virology, 2011, 156, 9-16.	0.9	7
39	Use of OmpU porins for attachment and invasion of <i>Crassostrea gigas</i> immune cells by the oyster pathogen <i>Vibrio splendidus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2993-2998.	3.3	173
40	Whole Transcriptome Profiling of Successful Immune Response to <i>Vibrio</i> Infections in the Oyster <i>Crassostrea gigas</i> by Digital Gene Expression Analysis. PLoS ONE, 2011, 6, e23142.	1.1	115
41	Detection of major capsid protein of infectious myonecrosis virus in shrimps using monoclonal antibodies. Journal of Virological Methods, 2010, 169, 169-175.	1.0	13
42	A Novel Monoclonal Antibody That Binds to Hemocytes from Shrimps and Oysters. Hybridoma, 2010, 29, 161-167.	0.5	2
43	Presence and histopathological effects of the <i>Parvatrema</i> sp. (Digenea, Gymnophallidae) in the stout razor clam <i>Tagelus plebeius</i> (Bivalvia, Psammobiidae). Journal of Invertebrate Pathology, 2009, 102, 14-20.	1.5	12
44	On shrimp interferon. Aquaculture, 2009, 298, 182.	1.7	0
45	First report of <i>Perkinsus</i> sp. infecting mangrove oysters <i>Crassostrea rhizophorae</i> from the Brazilian coast. Diseases of Aquatic Organisms, 2009, 88, 13-23.	0.5	31
46	Shrimp interferon is rather a portion of the mitochondrial F0-ATP synthase than a true $\hat{I}\pm$ -interferon. Molecular Immunology, 2008, 45, 3490-3493.	1.0	12
47	Comparison of the thioester domain and adjacent regions of the alpha2-macroglobulin from different South Atlantic crustaceans. Fish and Shellfish Immunology, 2008, 24, 257-259.	1.6	7
48	Cloning and characterisation of cDNA sequences encoding for anti-lipopolysaccharide factors (ALFs) in Brazilian palaemonid and penaeid shrimps. Fish and Shellfish Immunology, 2008, 25, 693-696.	1.6	29
49	Molecular cloning of crustins from the hemocytes of Brazilian penaeid shrimps. FEMS Microbiology Letters, 2007, 274, 287-290.	0.7	32