Francisco Lemos

List of Publications by Year
in descending order

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24 papers	928 citations	687363 13 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	1154 citing authors

#	Article	IF	Citations
1	Culture-dependent and culture-independent characterization of microorganisms associated with Aedes aegypti (Diptera: Culicidae) (L.) and dynamics of bacterial colonization in the midgut. Acta Tropica, 2010, 115, 275-281.	2.0	179
2	Aedes aegypti peritrophic matrix and its interaction with heme during blood digestion. Insect Biochemistry and Molecular Biology, 2002, 32, 517-523.	2.7	101
3	First isolation of microorganisms from the gut diverticulum of Aedes aegypti (Diptera: Culicidae): new perspectives for an insect-bacteria association. Memorias Do Instituto Oswaldo Cruz, 2007, 102, 919-924.	1.6	91
4	Presence of chitinase and beta-N-acetylglucosaminidase in the Aedes aegypti. Insect Biochemistry and Molecular Biology, 2002, 32, 1723-1729.	2.7	87
5	A bacteria-digesting midgut-lysozyme from Musca domestica (diptera) larvae. Purification, properties and secretory mechanism. Insect Biochemistry and Molecular Biology, 1993, 23, 533-541.	2.7	70
6	Antibody-mediated inhibition of Aedes aegypti midgut trypsins blocks sporogonic development of Plasmodium gallinaceum. Infection and Immunity, 1996, 64, 739-743.	2.2	63
7	Trypsin and aminopeptidase gene expression is affected by age and food composition in Anopheles gambiae. Insect Biochemistry and Molecular Biology, 1996, 26, 651-658.	2.7	54
8	Properties and intracellular distribution of a cathepsin D-like proteinase active at the acid region of Musca domestica midgut. Insect Biochemistry, 1991, 21, 457-465.	1.8	47
9	Soluble and membrane-bound forms of trypsin-like enzymes in Musca domestica larval midguts. Insect Biochemistry and Molecular Biology, 1992, 22, 613-619.	2.7	36
10	Derris (Lonchocarpus) urucu (Leguminosae) Extract Modifies the Peritrophic Matrix Structure of Aedes aegypti (Diptera:Culicidae). Memorias Do Instituto Oswaldo Cruz, 2002, 97, 371-375.	1.6	32
11	Comparative Larvicidal Activity of Essential Oils from Three Medicinal Plants against Aedes aegypti L.. Chemistry and Biodiversity, 2010, 7, 2801-2807.	2.1	27
12	Molecular characterization of genes encoding trypsin-like enzymes from Aedes aegypti larvae and identification of digestive enzymes. Gene, 2011, 489, 70-75.	2.2	27
13	A high yield preparation of Musca domestica larval midgut microvilli and the subcellular distribution of amylase and trypsin. Insect Biochemistry and Molecular Biology, 1992, 22, 433-438.	2.7	22
14	Induction of actin gene expression in the mosquito midgut by blood ingestion correlates with striking changes of cell shape. Journal of Insect Physiology, 2007, 53, 833-839.	2.0	15
15	Toxicity of Hydrolyzed Vicilins toward Callosobruchus maculatus and Phytopathogenic Fungi. Journal of Agricultural and Food Chemistry, 2009, 57, 8056-8061.	5.2	12
16	Larvicidal activity of Ramalina usnea lichen against Aedes aegypti. Revista Brasileira De Farmacognosia, 2016, 26, 530-532.	1.4	12
17	Neem oil increases the persistence of the entomopathogenic fungus Metarhizium anisopliae for the control of Aedes aegypti (Diptera: Culicidae) larvae. Parasites and Vectors, 2019, 12, 163.	2.5	12
18	Defense response in non-genomic model species: methyl jasmonate exposure reveals the passion fruit leavesâ€™ ability to assemble a cocktail of functionally diversified Kunitz-type trypsin inhibitors and recruit two of them against papain. Planta, 2014, 240, 345-356.	3.2	10

#	Article	IF	Citations
19	Functional characterization of a serine protease inhibitor modulated in the infection of the Aedes aegypti with dengue virus. Biochimie, 2018, 144, 160-168.	2.6	10
20	Selective inhibitors of digestive enzymes from Aedes aegypti larvae identified byÂphage display. Insect Biochemistry and Molecular Biology, 2013, 43, 9-16.	2.7	8
21	Hypometabolic strategy and glucose metabolism maintenance of Aedes aegypti egg desiccation. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 227, 56-63.	1.6	6
22	A Trypsin Inhibitor from Clitoria fairchildiana Cotyledons is Active Against Digestive Enzymes of Aedes aegypti Larvae. Protein and Peptide Letters, 2015, 22, 893-902.	0.9	4
23	Production of serine protease inhibitors by mutagenesis and their effects on the mortality of Aedes aegypti L. larvae. Parasites and Vectors, 2015, 8, 511.	2.5	2
24	A versatile inhibitor of digestive enzymes in Aedes aegypti larvae selected from a pacifastin (TiPI) phage display library. Biochemical and Biophysical Research Communications, 2022, 590, 139-144.	2.1	1