

Elizeu A Santos

List of Publications by Year in descending order

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45
papers

976
citations

331670

21
h-index

434195

31
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45
all docs

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docs citations

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times ranked

968
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#	ARTICLE	IF	CITATIONS
1	Heparins and Heparinoids: Occurrence, Structure and Mechanism of Antithrombotic and Hemorrhagic Activities. <i>Current Pharmaceutical Design</i> , 2004, 10, 951-966.	1.9	85
2	CvL, a lectin from the marine sponge <i>Cliona varians</i> : Isolation, characterization and its effects on pathogenic bacteria and <i>Leishmania</i> promastigotes. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2006, 145, 517-523.	1.8	58
3	Bioinsecticidal activity of a novel Kunitz trypsin inhibitor from <i>Catanduva</i> (<i>Piptadenia moniliformis</i>) seeds. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 61-68.	5.8	52
4	Structural and mechanistic insights into a novel non-competitive Kunitz trypsin inhibitor from <i>Adenanthera pavonina</i> L. seeds with double activity toward serine- and cysteine-proteinases. <i>Journal of Molecular Graphics and Modelling</i> , 2010, 29, 148-156.	2.4	50
5	Purification and characterization of a trypsin papain inhibitor from <i>Pithecellobium dumosum</i> seeds and its in vitro effects towards digestive enzymes from insect pests. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 858-865.	5.8	48
6	A Lactose-Binding Lectin from the Marine Sponge <i>Cinachyrella Apion</i> (Cal) Induces Cell Death in Human Cervical Adenocarcinoma Cells. <i>Marine Drugs</i> , 2012, 10, 727-743.	4.6	44
7	A lactose specific lectin from the sponge <i>Cinachyrella apion</i> : Purification, characterization, N-terminal sequences alignment and agglutinating activity on <i>Leishmania</i> promastigotes. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 211-216.	1.6	40
8	Digestive enzymes during development of <i>Ceratitis capitata</i> (Diptera:Tephritidae) and effects of SBTI on its digestive serine proteinase targets. <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 561-569.	2.7	38
9	Trypsin inhibitor from <i>tamarindus indica</i> L. seeds reduces weight gain and food consumption and increases plasmatic cholecystokinin levels. <i>Clinics</i> , 2015, 70, 136-143.	1.5	37
10	Growth inhibitory activity of a novel lectin from <i>Cliona varians</i> against K562 human erythroleukemia cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2009, 63, 1023-1033.	2.3	35
11	Chitosan-whey protein nanoparticles improve encapsulation efficiency and stability of a trypsin inhibitor isolated from <i>Tamarindus indica</i> L. <i>Food Hydrocolloids</i> , 2018, 84, 247-256.	10.7	35
12	Characterization and Pharmacological Properties of a Novel Multifunctional Kunitz Inhibitor from <i>Erythrina velutina</i> Seeds. <i>PLoS ONE</i> , 2013, 8, e63571.	2.5	34
13	A novel heparan sulphate with high degree of N-sulphation and high heparin cofactor-II activity from the brine shrimp <i>Artemia franciscana</i> . <i>International Journal of Biological Macromolecules</i> , 2000, 27, 49-57.	7.5	30
14	A Trypsin Inhibitor from Tamarind Reduces Food Intake and Improves Inflammatory Status in Rats with Metabolic Syndrome Regardless of Weight Loss. <i>Nutrients</i> , 2016, 8, 544.	4.1	30
15	Inhibitory effects of a Kunitz-type inhibitor from <i>Pithecellobium dumosum</i> (Benth) seeds against insect-pests' digestive proteinases. <i>Plant Physiology and Biochemistry</i> , 2013, 63, 70-76.	5.8	28
16	A heparin-like compound isolated from a marine crab rich in glucuronic acid 2-O-sulfate presents low anticoagulant activity. <i>Carbohydrate Polymers</i> , 2013, 94, 647-654.	10.2	27
17	Effects of a Chitin-Binding Vicilin from <i>Enterolobium contortisiliquum</i> Seeds on Bean Bruchid Pests (<i>Callosobruchus maculatus</i> and <i>Zabrotes subfasciatus</i>) and Phytopathogenic Fungi (<i>Fusarium</i>) <i>Tj ETQq1 1 0.784314_rgBT /Overlock 10</i> 260-266.	5.2	26
18	Identification of a Kunitz-Type Proteinase Inhibitor from <i>Pithecellobium dumosum</i> Seeds with Insecticidal Properties and Double Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7342-7349.	5.2	26

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19	Appearance and fate of a β -galactanase, β -galactosidases, heparan sulfate and chondroitin sulfate degrading enzymes during embryonic development of the mollusc <i>Pomacea</i> sp. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994, 1200, 241-248.	2.4	24
20	Biochemical characterisation of a Kunitz-type inhibitor from <i>Tamarindus indica</i> L. seeds and its efficacy in reducing plasma leptin in an experimental model of obesity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 334-348.	5.2	24
21	Supplementation with a new trypsin inhibitor from peanut is associated with reduced fasting glucose, weight control, and increased plasma CCK secretion in an animal model. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1261-1269.	5.2	23
22	Proteolytic Digestive Enzymes and Peritrophic Membranes during the Development of <i>Plodia interpunctella</i> (Lepidoptera: Piralidae): Targets for the action of Soybean Trypsin Inhibitor (SBTI) and Chitin-Binding Vicilin (EvV). <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7738-7745.	5.2	22
23	<i>Holothuria grisea</i> agglutinin (HGA): the first invertebrate lectin with anti-inflammatory effects. <i>Fundamental and Clinical Pharmacology</i> , 2013, 27, 656-668.	1.9	18
24	Anti-TNF- α Agent Tamarind Kunitz Trypsin Inhibitor Improves Lipid Profile of Wistar Rats Presenting Dyslipidemia and Diet-induced Obesity Regardless of PPAR- γ Induction. <i>Nutrients</i> , 2019, 11, 512.	4.1	17
25	Two Kunitz-Type Inhibitors with Activity Against Trypsin and Papain from <i>Pithecellobium dumosum</i> Seeds: Purification, Characterization, and Activity Towards Pest Insect Digestive Enzyme. <i>Protein and Peptide Letters</i> , 2009, 16, 1526-1532.	0.9	15
26	Satiatogenic Protein from Tamarind Seeds Decreases Food Intake, Leptin Plasma and CCK-1r Gene Expression in Obese Wistar Rats. <i>Obesity Facts</i> , 2018, 11, 440-453.	3.4	15
27	Larvicidal Effects of a Chitin-Binding Vicilin from <i>Erythrina velutina</i> Seeds on the Mediterranean Fruit Fly <i>Ceratitis capitata</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 802-808.	5.2	14
28	Gastroprotective and antielastase effects of protein inhibitors from <i>Erythrina velutina</i> seeds in an experimental ulcer model. <i>Biochemistry and Cell Biology</i> , 2017, 95, 243-250.	2.0	14
29	Mast cells are present in epithelial layers of different tissues of the mollusc <i>Anomalocardia brasiliana</i> . In situ characterization of heparin and a correlation of heparin and histamine concentration. <i>The Histochemical Journal</i> , 2002, 34, 553-558.	0.6	10
30	Growth Impairment Caused by Raw Linseed Consumption: Can Trypsin Inhibitors Be Harmful for Health?. <i>Plant Foods for Human Nutrition</i> , 2015, 70, 338-343.	3.2	9
31	Structural insights and molecular dynamics into the inhibitory mechanism of a Kunitz-type trypsin inhibitor from <i>Tamarindus indica</i> L. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 480-490.	5.2	9
32	Vicilin from <i>Anadenanthera colubrina</i> Seeds: An alternative tool to combat <i>Callosobruchus maculatus</i> . <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5229-5237.	3.8	7
33	Pro-inflammatory effect in mice of CvL, a lectin from the marine sponge <i>Cliona varians</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 147, 216-221.	2.6	6
34	Affinity Chromatography as a Key Tool to Purify Protein Protease Inhibitors from Plants. , 2012, , .		6
35	Purification and Characterization of a β -Glucuronidase Present During Embryogenesis of the Mollusk <i>Pomacea</i> sp.. <i>Protein and Peptide Letters</i> , 2005, 12, 695-700.	0.9	5
36	Dual Insecticidal Effects of <i>Anadenanthera pavonina</i> Kunitz-Type Inhibitor on <i>Plodia interpunctella</i> is Mediated by Digestive Enzymes Inhibition and Chitin-Binding Properties. <i>Molecules</i> , 2019, 24, 4344.	3.8	4

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37	Catalase Inhibition Affects Glyoxylate Cycle Enzyme Expression and Cellular Redox Control during the Functional Transition of Sunflower and Safflower Seedlings. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 272-284.	5.1	3
38	Comparative study between the effects of hyaluronic acid and acid galactan purified from eggs of the mollusk <i>Pomacea</i> sp in wound healing. <i>Acta Cirurgica Brasileira</i> , 2004, 19, 13-17.	0.7	2
39	Effects of a Chitin Binding Vicilin from <i>Erythrina velutina</i> Seeds on Bean Bruchid Pests (<i>Callosobruchus maculatus</i> and <i>Zabrotes subfasciatus</i>). <i>Protein and Peptide Letters</i> , 2008, 15, 270-274.	0.9	2
40	The Kunitz chymotrypsin inhibitor from <i>Erythrina velutina</i> seeds displays activity against HeLa cells through arrest in cell cycle. <i>3 Biotech</i> , 2022, 12, 19.	2.2	2
41	ASSESSMENT OF THE HEMOAGGLUTINANT AND DIGESTIVE ENZYME INHIBITORY ACTIVITY OF EXTRACTS OBTAINED FROM DIFFERENT PARTS OF ATEMOIA. <i>Revista Brasileira De Fruticultura</i> , 2018, 40, .	0.5	1
42	Characterization of novel trypsin inhibitor in raw and toasted peanuts using a simple improved isolation. <i>Acta Chromatographica</i> , 2019, 31, 79-84.	1.3	1
43	Evaluation of SARS-CoV-2 genomic architecture and its alteration pattern through ORF analysis/ Avaliaç�o da arquitetura gen�mica do SARS-CoV-2 e seu padr�o de altera�o por meio de an�lise de ORF. <i>Brazilian Journal of Health Review</i> , 2021, 4, 12700-12709.	0.1	0
44	DETERMINATION OF ANTITRYPTIC ACTIVITY IN PROTEINS FROM PEANUT PRODUCTS ISOLATED BY AFFINITY CHROMATOGRAPHY. <i>Quimica Nova</i> , 2014, , .	0.3	0
45	From the application of active teaching methods to significant learning in Cellular and Molecular Biology: exploring possibilities with Problem Based Learning. <i>Journal of Biochemistry Education</i> , 2021, 19, 1-15.	0.0	0