

Ana Maria Sampaio Assreuy

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42
papers

678
citations

17
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25
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42
ext. papers

758
ext. citations

4.2
avg, IF

2.98
L-index

#	Paper	IF	Citations
42	Purification and biological effects of Araucaria angustifolia (Araucariaceae) seed lectin. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 350, 1050-5	3.4	56
41	Polysaccharide fractions of Caesalpinia ferrea pods: potential anti-inflammatory usage. <i>Journal of Ethnopharmacology</i> , 2012 , 139, 642-8	5	53
40	Vasodilator effects of Diocleinae lectins from the Canavalia genus. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009 , 380, 509-21	3.4	50
39	Biological effects of a sulfated-polysaccharide isolated from the marine red algae Champia feldmannii. <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 691-5	2.3	44
38	Native crystal structure of a nitric oxide-releasing lectin from the seeds of Canavalia maritima. <i>Journal of Structural Biology</i> , 2005 , 152, 185-94	3.4	43
37	Antispasmodic effect of Mentha piperita essential oil on tracheal smooth muscle of rats. <i>Journal of Ethnopharmacology</i> , 2010 , 130, 433-6	5	36
36	Structural analysis of ConBr reveals molecular correlation between the carbohydrate recognition domain and endothelial NO synthase activation. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 408, 566-70	3.4	30
35	Crystal structure of Dioclea violacea lectin and a comparative study of vasorelaxant properties with Dioclea rostrata lectin. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 807-15	5.6	25
34	Structural analysis of Centrolobium tomentosum seed lectin with inflammatory activity. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 596, 73-83	4.1	24
33	Structural studies of a vasorelaxant lectin from Dioclea reflexa Hook seeds: Crystal structure, molecular docking and dynamics. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 12-23	7.9	22
32	Antinociceptive and anti-inflammatory effects of a lectin-like substance from Clitoria fairchildiana R. Howard seeds. <i>Molecules</i> , 2012 , 17, 3277-90	4.8	22
31	Opioid-like antinociceptive effects of oral administration of a lectin purified from the seeds of Canavalia brasiliensis. <i>Fundamental and Clinical Pharmacology</i> , 2013 , 27, 201-9	3.1	21
30	Structural characterization of a lectin from Canavalia virosa seeds with inflammatory and cytotoxic activities. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 271-282	7.9	18
29	Crystal structure of a pro-inflammatory lectin from the seeds of Dioclea wilsonii Standl. <i>Biochimie</i> , 2012 , 94, 525-32	4.6	18
28	Crystallization and characterization of an inflammatory lectin purified from the seeds of Dioclea wilsonii. <i>Molecules</i> , 2011 , 16, 5087-103	4.8	18
27	Antinociceptive activity and toxicology of the lectin from Canavalia boliviana seeds in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009 , 380, 407-14	3.4	18
26	Central action of Araucaria angustifolia seed lectin in mice. <i>Epilepsy and Behavior</i> , 2009 , 15, 291-3	3.2	18

25	Purification and biological activities of <i>Abelmoschus esculentus</i> seed lectin. <i>Protein Journal</i> , 2012 , 31, 674-80	3.9	16
24	Vasorelaxant activity of <i>Canavalia grandiflora</i> seed lectin: A structural analysis. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 543, 31-9	4.1	15
23	Mannose-specific legume lectin from the seeds of <i>Dolichos lablab</i> (FRIL) stimulates inflammatory and hypernociceptive processes in mice. <i>Process Biochemistry</i> , 2014 , 49, 529-534	4.8	13
22	Partial characterization and immobilization in CNBr-activated Sepharose of a native lectin from <i>Platypodium elegans</i> seeds (PELa) and comparative study of edematogenic effect with the recombinant form. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 323-330	7.9	12
21	Purification of a thermostable antinociceptive lectin isolated from <i>Andira anthelmia</i> . <i>Journal of Molecular Recognition</i> , 2016 , 29, 248-52	2.6	12
20	Protein crystal content analysis by mass spectrometry and preliminary X-ray diffraction of a lectin from <i>Canavalia grandiflora</i> seeds with modulatory role in inflammation. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 811-8	2.2	11
19	Molecular modeling, docking and dynamics simulations of the <i>Dioclea lasiophylla</i> Mart. Ex Benth seed lectin: An edematogenic and hypernociceptive protein. <i>Biochimie</i> , 2017 , 135, 126-136	4.6	10
18	Lectins from <i>Parkia biglobosa</i> and <i>Parkia platycephala</i> : A comparative study of structure and biological effects. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 194-201	7.9	10
17	Effects of <i>Canavalia</i> lectins on acute inflammation in sensitized and non-sensitized rats. <i>Inflammation</i> , 2013 , 36, 713-22	5.1	10
16	Relaxant effects of the essential oil of <i>Mentha pulegium</i> L. in rat isolated trachea and urinary bladder. <i>Journal of Pharmacy and Pharmacology</i> , 2012 , 64, 1777-84	4.8	10
15	Structural analysis, molecular docking and molecular dynamics of an edematogenic lectin from <i>Centrolobium microchaete</i> seeds. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 124-133	7.9	10
14	Structural studies and nociceptive activity of a native lectin from <i>Platypodium elegans</i> seeds (nPELa). <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 236-246	7.9	7
13	The galactose-binding lectin isolated from <i>Bauhinia bauhinioides</i> Mart seeds inhibits neutrophil rolling and adhesion via primary cytokines. <i>Journal of Molecular Recognition</i> , 2015 , 28, 285-92	2.6	6
12	Structural characterization of anticoagulant and antithrombotic polysaccharides isolated from <i>Caesalpinia ferrea</i> stem barks. <i>International Journal of Biological Macromolecules</i> , 2021 , 175, 147-155	7.9	5
11	Edematogenic activity of a sulfated galactan from the red marine algae <i>Gelidium crinale</i> . <i>Pharmaceutical Biology</i> , 2012 , 50, 1194-8	3.8	4
10	The polysaccharide-rich tea of <i>Ximenia americana</i> barks prevents indomethacin-induced gastrointestinal damage via neutrophil inhibition. <i>Journal of Ethnopharmacology</i> , 2018 , 224, 195-201	5	4
9	The Lectin Isolated from the Alga <i>Hypnea cervicornis</i> Promotes Antinociception in Rats Subjected to Zymosan-Induced Arthritis: Involvement of cGMP Signalization and Cytokine Expression. <i>Inflammation</i> , 2020 , 43, 1446-1454	5.1	2
8	The effect of <i>Cratylia floribunda</i> lectin on renal hemodynamics and ion transport. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2015 , 51, 755-761	1.8	2

7	A novel vasorelaxant lectin purified from seeds of <i>Clathrotropis nitida</i> : partial characterization and immobilization in chitosan beads. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 588, 33-40	4.1	1
6	Homologous <i>Canavalia</i> Lectins Elicit Different Patterns of Antinociceptive Responses. <i>Natural Product Communications</i> , 2013 , 8, 1934578X1300801	0.9	1
5	Galactomannan of <i>Delonix regia</i> seeds reduces nociception and morphological damage in the rat model of osteoarthritis induced by sodium monoiodoacetate. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021 , 394, 491-501	3.4	1
4	<i>Vatairea guianensis</i> lectin stimulates changes in gene expression and release of TNF- α from rat peritoneal macrophages via glycoconjugate binding. <i>Journal of Molecular Recognition</i> , 2021 , 34, e2922	2.6	0
3	Anti-inflammatory and anti-necrotic effects of lectins from <i>Canavalia ensiformis</i> and <i>Canavalia brasiliensis</i> in experimental acute pancreatitis.. <i>Glycoconjugate Journal</i> , 2022 , 1	3	0
2	The Tea and Polysaccharide Fractions of <i>Ximenia americana</i> Stem Barks Inhibits Inflammatory Parameters Induced by Zymosan in Mice. <i>Journal of Biology and Life Science</i> , 2020 , 11, 168	0.2	
1	In depth analysis on the carbohydrate-binding properties of a vasorelaxant lectin from <i>Mart Ex. Benth</i> seeds. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-14	3.6	