

Kyria Santiago do Nascimento

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

1,126
citations

18
h-index

24
g-index

89
ext. papers

1,310
ext. citations

4.7
avg, IF

3.88
L-index

#	Paper	IF	Citations
87	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
86	Antiproliferative activity of <i>Dioclea violacea</i> lectin in CaCO ₃ particles on cancer cells after controlled release. <i>Journal of Materials Science</i> , 2022 , 57, 8854-8868	4.3	0
85	Differential vasodilator effect of <i>Dioclea rostrata</i> lectin in conductance and resistance arteries: Mechanisms and glycoconjugate binding relationships. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021 , 129, 130-138	3.1	
84	A review of Viciaeae lectins studies: End of the book or a story in the writing?. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 1104-1123	7.9	2
83	<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
82	ConBr lectin modulates MAPKs and Akt pathways and triggers autophagic glioma cell death by a mechanism dependent upon caspase-8 activation. <i>Biochimie</i> , 2021 , 180, 186-204	4.6	6
81	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	
80	Lectins applied to diagnosis and treatment of prostate cancer and benign hyperplasia: A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 543-553	7.9	0
79	Comprehensive review on Caelsalpinioideae lectins: From purification to biological activities. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 333-348	7.9	8
78	Antinociceptive effect of <i>Lonchocarpus araripensis</i> lectin: activation of L-arginine/NO/cGMP/KATP signaling pathway. <i>Inflammopharmacology</i> , 2020 , 28, 1623-1631	5.1	1
77	Exploring the carbohydrate-binding ability of <i>Canavalia bonariensis</i> lectin in inflammation models. <i>Journal of Molecular Recognition</i> , 2020 , 33, e2870	2.6	1
76	Reviewing Mimosoideae lectins: A group of under explored legume lectins. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 159-165	7.9	9
75	Heterologous production of Echain of <i>Dioclea sclerocarpa</i> lectin: Enhancing the biological effects of a wild-type lectin. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 1-9	7.9	
74	A Diocleinae type II lectin from <i>Dioclea lasiophylla</i> Mart. Ex <i>Benth</i> seeds specific to β -lactose/GalNAc. <i>Process Biochemistry</i> , 2020 , 93, 104-114	4.8	2
73	Dalbergieae lectins: A review of lectins from species of a primitive Papilionoideae (leguminous) tribe. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 509-526	7.9	12
72	Molecular dynamics and binding energy analysis of <i>Vatairea guianensis</i> lectin: a new tool for cancer studies. <i>Journal of Molecular Modeling</i> , 2020 , 26, 22	2	1
71	Purification and partial characterization of a new lectin from <i>Parkia panurensis</i> Benth. ex H.C. Hopkins seeds (Leguminosae family; Mimosoideae subfamily) and evaluation of its biological effects. <i>International Journal of Biological Macromolecules</i> , 2020 , 145, 845-855	7.9	5

70	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. <i>MedChemComm</i> , 2019 , 10, 390-398	5	13
69	One century of ConA and 40 years of ConBr research: A structural review. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 901-911	7.9	15
68	Lectin from Dioclea violacea induces autophagy in U87 glioma cells. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 660-672	7.9	11
67	ConBr, the Lectin from Canavalia brasiliensis Mart. Seeds: Forty Years of Research. <i>Current Protein and Peptide Science</i> , 2019 , 20, 600-613	2.8	8
66	Dioclea violacea lectin ameliorates inflammation in the temporomandibular joint of rats by suppressing intercellular adhesion molecule-1 expression. <i>Biochimie</i> , 2019 , 158, 34-42	4.6	11
65	Lectin purified from Lonchocarpus campestris seeds inhibits inflammatory nociception. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 53-60	7.9	12
64	ConA-Like Lectins: High Similarity Proteins as Models to Study Structure/Biological Activities Relationships. <i>International Journal of Molecular Sciences</i> , 2018 , 20,	6.3	28
63	Crystal structure of DlyL, a mannose-specific lectin from Dioclea lasiophylla Mart. Ex Benth seeds that display cytotoxic effects against C6 glioma cells. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 64-76	7.9	16
62	Structural studies and nociceptive activity of a native lectin from Platypodium elegans seeds (nPELa). <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 236-246	7.9	7
61	Homology modeling, molecular docking, and dynamics of two β -methyl-D-mannoside-specific lectins from Arachis genus. <i>Journal of Molecular Modeling</i> , 2018 , 24, 251	2	3
60	Anti-glioma properties of DVL, a lectin purified from Dioclea violacea. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 566-577	7.9	15
59	Canavalia bonariensis lectin: Molecular bases of glycoconjugates interaction and antiglioma potential. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 369-378	7.9	15
58	Structural analysis, molecular docking and molecular dynamics of an edematogenic lectin from Centrolobium microchaete seeds. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 124-133	7.9	10
57	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
56	Molecular modeling, docking and dynamics simulations of the Dioclea lasiophylla Mart. Ex Benth seed lectin: An edematogenic and hypernociceptive protein. <i>Biochimie</i> , 2017 , 135, 126-136	4.6	10
55	Partial characterization and immobilization in CNBr-activated Sepharose of a native lectin from Platypodium elegans 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
54	Structural analysis of Dioclea lasiocarpa lectin: A C6 cells apoptosis-inducing protein. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 92, 79-89	5.6	9
53	Crystal structure of Pisum arvense seed lectin (PAL) and characterization of its interaction with carbohydrates by molecular docking and dynamics. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 630, 27-37	4.1	7

52	Hydrochar as protein support: preservation of biomolecule properties with non-covalent immobilization. <i>Journal of Materials Science</i> , 2017 , 52, 13378-13389	4.3	6
51	Contribution of the carbohydrate-binding ability of Vatairea guianensis lectin to induce edematogenic activity. <i>Biochimie</i> , 2017 , 140, 58-65	4.6	15
50	Lectin from Canavalia villosa seeds: A glucose/mannose-specific protein and a new tool for inflammation studies. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 272-280	7.9	8
49	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
48	The lectin isolated from Lonchocarpus araripensis seed elicits endothelium-dependent vasorelaxation. <i>Journal of Health & Biological Sciences</i> , 2017 , 5, 306	1	2
47	Purification of a thermostable antinociceptive lectin isolated from Andira anthelmia. <i>Journal of Molecular Recognition</i> , 2016 , 29, 248-52	2.6	12
46	Structural characterization of a Vatairea macrocarpa lectin in complex with a tumor-associated antigen: A new tool for cancer research. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 72, 27-39	5.6	11
45	Structural analysis of a Dioclea sclerocarpa lectin: Study on the vasorelaxant properties of Dioclea lectins. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 464-70	7.9	13
44	Structural analysis of Centrolobium tomentosum seed lectin with inflammatory activity. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 596, 73-83	4.1	24
43	Purification and molecular characterization of a novel mannose-specific lectin from Dioclea reflexa hook seeds with inflammatory activity. <i>Journal of Molecular Recognition</i> , 2016 , 29, 134-41	2.6	10
42	Structure prediction and functional analysis of a non-permutated lectin from Dioclea grandiflora. <i>Biochimie</i> , 2016 , 131, 54-67	4.6	3
41	The leguminous lectin of Lonchocarpus araripensis promotes antinociception via mechanisms that include neuronal inhibition of Na(+) currents. <i>Inflammation Research</i> , 2016 , 65, 701-8	7.2	4
40	Purification and primary structure of a novel mannose-specific lectin from Centrolobium microchaete Mart seeds. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 600-7	7.9	15
39	CRLI induces vascular smooth muscle relaxation and suggests a dual mechanism of eNOS activation by legume lectins via muscarinic receptors and shear stress. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 565, 32-9	4.1	10
38	Purification, partial characterization, and CNBr-sepharose immobilization of a vasorelaxant glucose/mannose lectin from Canavalia virosa seeds. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 3342-53	3.2	18
37	Purification, characterization and partial sequence of a pro-inflammatory lectin from seeds of Canavalia oxyphylla Standl. & L. O. Williams. <i>Journal of Molecular Recognition</i> , 2014 , 27, 117-23	2.6	12
36	Antidepressant-like effect of Canavalia brasiliensis (ConBr) lectin in mice: evidence for the involvement of the glutamatergic system. <i>Pharmacology Biochemistry and Behavior</i> , 2014 , 122, 53-60	3.9	23
35	Vasorelaxant activity of Canavalia grandiflora seed lectin: A structural analysis. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 543, 31-9	4.1	15

34	BUL: A novel lectin from Bauhinia unguolata L. seeds with fungistatic and antiproliferative activities. <i>Process Biochemistry</i> , 2014 , 49, 203-209	4.8	23
33	Antiproliferative effect of Canavalia brasiliensis lectin on B16F10 cells. <i>Research in Veterinary Science</i> , 2014 , 96, 276-82	2.5	14
32	A lectin from Dioclea violacea Interacts with midgut surface of Lutzomyia migonei, unlike its homologues, Cratylia floribunda lectin and Canavalia gladiata lectin. <i>Scientific World Journal, The</i> , 2014 , 2014, 239208	2.2	1
31	Effect of algae and plant lectins on planktonic growth and biofilm formation in clinically relevant bacteria and yeasts. <i>BioMed Research International</i> , 2014 , 2014, 365272	3	26
30	Structural studies of an anti-inflammatory lectin from Canavalia boliviana seeds in complex with dimannosides. <i>PLoS ONE</i> , 2014 , 9, e97015	3.7	19
29	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
28	Lectin from Canavalia brasiliensis (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. <i>Neurochemistry International</i> , 2013 , 62, 836-42	4.4	14
27	Interactions between indole-3-acetic acid (IAA) with a lectin from Canavalia maritima seeds reveal a new function for lectins in plant physiology. <i>Biochimie</i> , 2013 , 95, 1697-703	4.6	19
26	Purification and primary structure of a mannose/glucose-binding lectin from Parkia biglobosa Jacq. seeds with antinociceptive and anti-inflammatory properties. <i>Journal of Molecular Recognition</i> , 2013 , 26, 470-8	2.6	18
25	Vatairea macrocarpa lectin (VML) induces depressive-like behavior and expression of neuroinflammatory markers in mice. <i>Neurochemical Research</i> , 2013 , 38, 2375-84	4.6	14
24	Toxicity and binding profile of lectins from the Genus canavalia on brine shrimp. <i>BioMed Research International</i> , 2013 , 2013, 154542	3	9
23	Purification, partial characterization and immobilization of a mannose-specific lectin from seeds of Dioclea lasiophylla mart. <i>Molecules</i> , 2013 , 18, 10857-69	4.8	16
22	Isoform characterisation, heterologous expression and functional analysis of two lectins from Vatairea macrocarpa. <i>Protein and Peptide Letters</i> , 2013 , 20, 1204-10	1.9	2
21	Homologous Canavalia lectins elicit different patterns of antinociceptive responses. <i>Natural Product Communications</i> , 2013 , 8, 1621-4	0.9	4
20	ConBr, a lectin from Canavalia brasiliensis seeds, protects against quinolinic acid-induced seizures in mice. <i>Neurochemical Research</i> , 2012 , 37, 288-97	4.6	19
19	An overview of lectins purification strategies. <i>Journal of Molecular Recognition</i> , 2012 , 25, 527-41	2.6	45
18	Crystal structure of the lectin of Camptosema pedicellatum: implications of a conservative substitution at the hydrophobic subsite. <i>Journal of Biochemistry</i> , 2012 , 152, 87-98	3.1	8
17	Crystal structure of a pro-inflammatory lectin from the seeds of Dioclea wilsonii Standl. <i>Biochimie</i> , 2012 , 94, 525-32	4.6	18

16	Structure of Dioclea virgata lectin: Relations between carbohydrate binding site and nitric oxide production. <i>Biochimie</i> , 2012 , 94, 900-6	4.6	21
15	Purification and primary structure determination of a galactose-specific lectin from Vatairea guianensis Aublet seeds that exhibits vasorelaxant effect. <i>Process Biochemistry</i> , 2012 , 47, 2347-2355	4.8	17
14	Protein crystal content analysis by mass spectrometry and preliminary X-ray diffraction of a lectin from Canavalia grandiflora seeds with modulatory role in inflammation. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 811-8	2.2	11
13	Purification and characterization of a mannose/N-acetyl-D-glucosamine-specific lectin from the seeds of Platymiscium floribundum Vogel. <i>Journal of Molecular Recognition</i> , 2012 , 25, 443-9	2.6	15
12	Antifungal activity of lectins against yeast of vaginal secretion. <i>Brazilian Journal of Microbiology</i> , 2012 , 43, 770-8	2.2	12
11	Characterization of isoforms of the lectin isolated from the red algae Bryothamnion seaforthii and its pro-healing effect. <i>Marine Drugs</i> , 2012 , 10, 1936-54	6	25
10	Effect of lectins from Diocleinae subtribe against oral Streptococci. <i>Molecules</i> , 2011 , 16, 3530-43	4.8	20
9	Molecular characterization and tandem mass spectrometry of the lectin extracted from the seeds of Dioclea sclerocarpa Ducke. <i>Molecules</i> , 2011 , 16, 9077-89	4.8	18
8	Crystallization and characterization of an inflammatory lectin purified from the seeds of Dioclea wilsonii. <i>Molecules</i> , 2011 , 16, 5087-103	4.8	18
7	Partition of lectin from Canavalia grandiflora Benth in aqueous two-phase systems using factorial design. <i>Biochemical Engineering Journal</i> , 2011 , 53, 165-171	4.2	28
6	Lectins from the Red Marine Algal Species Bryothamnion seaforthii and Bryothamnion triquetrum as Tools to Differentiate Human Colon Carcinoma Cells. <i>Advances in Pharmacological Sciences</i> , 2009 , 2009, 862162	4.9	14
5	Vasodilator effects of Diocleinae lectins from the Canavalia genus. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009 , 380, 509-21	3.4	50
4	Pharmacological analysis of the neutrophil migration induced by D. rostrata lectin: involvement of cytokines and nitric oxide. <i>Toxicon</i> , 2009 , 54, 736-44	2.8	27
3	Renal effects induced by the lectin from Vatairea macrocarpa seeds. <i>Journal of Pharmacy and Pharmacology</i> , 2005 , 57, 1329-33	4.8	7
2	HCA and HML isolated from the red marine algae Hypnea cervicornis and Hypnea musciformis define a novel lectin family. <i>Protein Science</i> , 2005 , 14, 2167-76	6.3	40
1	New affinity procedure for the isolation and further characterization of the blood group B specific lectin from the red marine alga Ptilota plumosa. <i>Journal of Applied Phycology</i> , 2002 , 14, 489-495	3.2	18