Kyria Santiago do Nascimento

List of Publications by Citations

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	Vasodilator effects of Diocleinae lectins from the Canavalia genus. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2009**, 380, 509-21	3.4	50
86	An overview of lectins purification strategies. *Journal of Molecular Recognition*, **2012**, 25, 527-41	2.6	45
85	HCA and HML isolated from the red marine algae Hypnea cervicornis and Hypnea musciformis define a novel lectin family. *Protein Science*, **2005**, 14, 2167-76	6.3	40
84	ConA-Like Lectins: High Similarity Proteins as Models to Study Structure/Biological Activities Relationships. *International Journal of Molecular Sciences*, **2018**, 20,	6.3	28
83	Partition of lectin from Canavalia grandiflora Benth in aqueous two-phase systems using factorial design. *Biochemical Engineering Journal*, **2011**, 53, 165-171	4.2	28
82	Pharmacological analysis of the neutrophil migration induced by D. rostrata lectin: involvement of cytokines and nitric oxide. *Toxicon*, **2009**, 54, 736-44	2.8	27
81	Effect of algae and plant lectins on planktonic growth and biofilm formation in clinically relevant bacteria and yeasts. *BioMed Research International*, **2014**, 2014, 365272	3	26
80	Crystal structure of Dioclea violacea lectin and a comparative study of vasorelaxant properties with Dioclea rostrata lectin. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 807-15	5.6	25
79	Characterization of isoforms of the lectin isolated from the red algae Bryothamnion seaforthii and its pro-healing effect. *Marine Drugs*, **2012**, 10, 1936-54	6	25
78	Structural analysis of Centrolobium tomentosum seed lectin with inflammatory activity. *Archives of Biochemistry and Biophysics*, **2016**, 596, 73-83	4.1	24
77	Antidepressant-like effect of Canavalia brasiliensis (ConBr) lectin in mice: evidence for the involvement of the glutamatergic system. *Pharmacology Biochemistry and Behavior*, **2014**, 122, 53-60	3.9	23
76	BUL: A novel lectin from Bauhinia ungulata L. seeds with fungistatic and antiproliferative activities. *Process Biochemistry*, **2014**, 49, 203-209	4.8	23
75	Structural studies of a vasorelaxant lectin from Dioclea reflexa Hook seeds: Crystal structure, molecular docking and dynamics. *International Journal of Biological Macromolecules*, **2017**, 98, 12-23	7.9	22
74	Structure of Dioclea virgata lectin: Relations between carbohydrate binding site and nitric oxide production. *Biochimie*, **2012**, 94, 900-6	4.6	21
73	Effect of lectins from Diocleinae subtribe against oral Streptococci. *Molecules*, **2011**, 16, 3530-43	4.8	20
72	ConBr, a lectin from Canavalia brasiliensis seeds, protects against quinolinic acid-induced seizures in mice. *Neurochemical Research*, **2012**, 37, 288-97	4.6	19
71	Interactions between indole-3-acetic acid (IAA) with a lectin from Canavalia maritima seeds reveal a new function for lectins in plant physiology. *Biochimie*, **2013**, 95, 1697-703	4.6	19

70	Structural studies of an anti-inflammatory lectin from Canavalia boliviana seeds in complex with dimannosides. *PLoS ONE*, **2014**, 9, e97015	3.7	19
69	Purification, partial characterization, and CNBr-sepharose immobilization of a vasorelaxant glucose/mannose lectin from Canavalia virosa seeds. *Applied Biochemistry and Biotechnology*, **2014**, 172, 3342-53	3.2	18
68	Structural characterization of a lectin from Canavalia virosa seeds with inflammatory and cytotoxic activities. *International Journal of Biological Macromolecules*, **2017**, 94, 271-282	7.9	18
67	Crystal structure of a pro-inflammatory lectin from the seeds of Dioclea wilsonii Standl. *Biochimie*, **2012**, 94, 525-32	4.6	18
66	Purification and primary structure of a mannose/glucose-binding lectin from Parkia biglobosa Jacq. seeds with antinociceptive and anti-inflammatory properties. *Journal of Molecular Recognition*, **2013**, 26, 470-8	2.6	18
65	Molecular characterization and tandem mass spectrometry of the lectin extracted from the seeds of Dioclea sclerocarpa Ducke. *Molecules*, **2011**, 16, 9077-89	4.8	18
64	Crystallization and characterization of an inflammatory lectin purified from the seeds of Dioclea wilsonii. *Molecules*, **2011**, 16, 5087-103	4.8	18
63	New affinity procedure for the isolation and further characterization of the blood group B specific lectin from the red marine alga Ptilota plumosa. *Journal of Applied Phycology*, **2002**, 14, 489-495	3.2	18
62	Purification and primary structure determination of a galactose-specific lectin from Vatairea guianensis Aublet seeds that exhibits vasorelaxant effect. *Process Biochemistry*, **2012**, 47, 2347-2355	4.8	17
61	Crystal structure of DlyL, a mannose-specific lectin from Dioclea lasiophylla Mart. Ex Benth seeds that display cytotoxic effects against C6 glioma cells. *International Journal of Biological Macromolecules*, **2018**, 114, 64-76	7.9	16
60	Purification, partial characterization and immobilization of a mannose-specific lectin from seeds of Dioclea lasiophylla mart. *Molecules*, **2013**, 18, 10857-69	4.8	16
59	One century of ConA and 40 years of ConBr research: A structural review. *International Journal of Biological Macromolecules*, **2019**, 134, 901-911	7.9	15
58	Purification and primary structure of a novel mannose-specific lectin from Centrolobium microchaete Mart seeds. *International Journal of Biological Macromolecules*, **2015**, 81, 600-7	7.9	15
57	Anti-glioma properties of DVL, a lectin purified from Dioclea violacea. *International Journal of Biological Macromolecules*, **2018**, 120, 566-577	7.9	15
56	Vasorelaxant activity of Canavalia grandiflora seed lectin: A structural analysis. *Archives of Biochemistry and Biophysics*, **2014**, 543, 31-9	4.1	15
55	Contribution of the carbohydrate-binding ability of Vatairea guianensis lectin to induce edematogenic activity. *Biochimie*, **2017**, 140, 58-65	4.6	15
54	Purification and characterization of a mannose/N-acetyl-D-glucosamine-specific lectin from the seeds of Platymiscium floribundum Vogel. *Journal of Molecular Recognition*, **2012**, 25, 443-9	2.6	15
53	Canavalia bonariensis lectin: Molecular bases of glycoconjugates interaction and antiglioma potential. *International Journal of Biological Macromolecules*, **2018**, 106, 369-378	7.9	15

52	Antiproliferative effect of Canavalia brasiliensis lectin on B16F10 cells. *Research in Veterinary Science*, **2014**, 96, 276-82	2.5	14
51	Lectin from Canavalia brasiliensis (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. *Neurochemistry International*, **2013**, 62, 836-42	4.4	14
50	Vatairea macrocarpa lectin (VML) induces depressive-like behavior and expression of neuroinflammatory markers in mice. *Neurochemical Research*, **2013**, 38, 2375-84	4.6	14
49	Lectins from the Red Marine Algal Species Bryothamnion seaforthii and Bryothamnion triquetrum as Tools to Differentiate Human Colon Carcinoma Cells. *Advances in Pharmacological Sciences*, **2009**, 2009, 862162	4.9	14
48	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. *MedChemComm*, **2019**, 10, 390-398	5	13
47	Structural analysis of a Dioclea sclerocarpa lectin: Study on the vasorelaxant properties of Dioclea lectins. *International Journal of Biological Macromolecules*, **2016**, 82, 464-70	7.9	13
46	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. *International Journal of Biological Macromolecules*, **2017**, 102, 323-330	7.9	12
45	Purification of a thermostable antinociceptive lectin isolated from Andira anthelmia. *Journal of Molecular Recognition*, **2016**, 29, 248-52	2.6	12
44	Purification, characterization and partial sequence of a pro-inflammatory lectin from seeds of Canavalia oxyphylla Standl. & L. O. Williams. *Journal of Molecular Recognition*, **2014**, 27, 117-23	2.6	12
43	Antifungal activity of lectins against yeast of vaginal secretion. *Brazilian Journal of Microbiology*, **2012**, 43, 770-8	2.2	12
42	Dalbergieae lectins: A review of lectins from species of a primitive Papilionoideae (leguminous) tribe. *International Journal of Biological Macromolecules*, **2020**, 144, 509-526	7.9	12
41	Lectin purified from Lonchocarpus campestris seeds inhibits inflammatory nociception. *International Journal of Biological Macromolecules*, **2019**, 125, 53-60	7.9	12
40	Lectin from Dioclea violacea induces autophagy in U87 glioma cells. *International Journal of Biological Macromolecules*, **2019**, 134, 660-672	7.9	11
39	Structural characterization of a Vatairea macrocarpa lectin in complex with a tumor-associated antigen: A new tool for cancer research. *International Journal of Biochemistry and Cell Biology*, **2016**, 72, 27-39	5.6	11
38	Protein crystal content analysis by mass spectrometry and preliminary X-ray diffraction of a lectin from Canavalia grandiflora seeds with modulatory role in inflammation. *Rapid Communications in Mass Spectrometry*, **2012**, 26, 811-8	2.2	11
37	Dioclea violacea lectin ameliorates inflammation in the temporomandibular joint of rats by suppressing intercellular adhesion molecule-1 expression. *Biochimie*, **2019**, 158, 34-42	4.6	11
36	Molecular modeling, docking and dynamics simulations of the Dioclea lasiophylla Mart. Ex Benth seed lectin: An edematogenic and hypernociceptive protein. *Biochimie*, **2017**, 135, 126-136	4.6	10
35	CRLI induces vascular smooth muscle relaxation and suggests a dual mechanism of eNOS activation by legume lectins via muscarinic receptors and shear stress. *Archives of Biochemistry and Biophysics*, **2015**, 565, 32-9	4.1	10

34	Purification and molecular characterization of a novel mannose-specific lectin from Dioclea reflexa hook seeds with inflammatory activity. *Journal of Molecular Recognition*, **2016**, 29, 134-41	2.6	10
33	Structural analysis, molecular docking and molecular dynamics of an edematogenic lectin from Centrolobium microchaete seeds. *International Journal of Biological Macromolecules*, **2018**, 117, 124-133	7.9	10
32	Structural analysis of Dioclea lasiocarpa lectin: A C6 cells apoptosis-inducing protein. *International Journal of Biochemistry and Cell Biology*, **2017**, 92, 79-89	5.6	9
31	Reviewing Mimosoideae lectins: A group of under explored legume lectins. *International Journal of Biological Macromolecules*, **2020**, 154, 159-165	7.9	9
30	Toxicity and binding profile of lectins from the Genus canavalia on brine shrimp. *BioMed Research International*, **2013**, 2013, 154542	3	9
29	Comprehensive review on Caelsalpinioideae lectins: From purification to biological activities. *International Journal of Biological Macromolecules*, **2020**, 162, 333-348	7.9	8
28	Lectin from Canavalia villosa seeds: A glucose/mannose-specific protein and a new tool for inflammation studies. *International Journal of Biological Macromolecules*, **2017**, 105, 272-280	7.9	8
27	Crystal structure of the lectin of Camptosema pedicellatum: implications of a conservative substitution at the hydrophobic subsite. *Journal of Biochemistry*, **2012**, 152, 87-98	3.1	8
26	ConBr, the Lectin from Canavalia brasiliensis Mart. Seeds: Forty Years of Research. *Current Protein and Peptide Science*, **2019**, 20, 600-613	2.8	8
25	Structural studies and nociceptive activity of a native lectin from Platypodium elegans seeds (nPELa). *International Journal of Biological Macromolecules*, **2018**, 107, 236-246	7.9	7
24	Crystal structure of Pisum arvense seed lectin (PAL) and characterization of its interaction with carbohydrates by molecular□docking and dynamics. *Archives of Biochemistry and Biophysics*, **2017**, 630, 27-37	4.1	7
23	Renal effects induced by the lectin from Vatairea macrocarpa seeds. *Journal of Pharmacy and Pharmacology*, **2005**, 57, 1329-33	4.8	7
22	Hydrochar as protein support: preservation of biomolecule properties with non-covalent immobilization. *Journal of Materials Science*, **2017**, 52, 13378-13389	4.3	6
21	ConBr lectin modulates MAPKs and Akt pathways and triggers autophagic glioma cell death by a mechanism dependent upon caspase-8 activation. *Biochimie*, **2021**, 180, 186-204	4.6	6
20	Purification and partial characterization of a new lectin from Parkia panurensis Benth. ex H.C. Hopkins seeds (Leguminosae family; Mimosoideae subfamily) and evaluation of its biological effects. *International Journal of Biological Macromolecules*, **2020**, 145, 845-855	7.9	5
19	The leguminous lectin of Lonchocarpus araripensis promotes antinociception via mechanisms that include neuronal inhibition of Na(+) currents. *Inflammation Research*, **2016**, 65, 701-8	7.2	4
18	Homologous Canavalia lectins elicit different patterns of antinociceptive responses. *Natural Product Communications*, **2013**, 8, 1621-4	0.9	4
17	Homology modeling, molecular docking, and dynamics of two □methyl-D-mannoside-specific lectins from Arachis genus. *Journal of Molecular Modeling*, **2018**, 24, 251	2	3

16	Structure prediction and functional analysis of a non-permutated lectin from Dioclea grandiflora. *Biochimie*, **2016**, 131, 54-67	4.6	3
15	A Diocleinae type II lectin from Dioclea lasiophylla Mart. Ex Benth seeds specific to lactose/GalNAc. *Process Biochemistry*, **2020**, 93, 104-114	4.8	2
14	The lectin isolated from Lonchocarpus araripensis seed elicits endothelium-dependent vasorelaxation. *Journal of Health & Biological Sciences*, **2017**, 5, 306	1	2
13	Isoform characterisation, heterologous expression and functional analysis of two lectins from Vatairea macrocarpa. *Protein and Peptide Letters*, **2013**, 20, 1204-10	1.9	2
12	A review of Vicieae lectins studies: End of the book or a story in the writing?. *International Journal of Biological Macromolecules*, **2021**, 181, 1104-1123	7.9	2
11	Antinociceptive effect of Lonchocarpus araripensis lectin: activation of L-arginine/NO/cGMP/KATP signaling pathway. *Inflammopharmacology*, **2020**, 28, 1623-1631	5.1	1
10	Exploring the carbohydrate-binding ability of Canavalia bonariensis lectin in inflammation models. *Journal of Molecular Recognition*, **2020**, 33, e2870	2.6	1
9	A lectin from Dioclea violacea Interacts with midgut surface of Lutzomyia migonei, unlike its homologues, Cratylia floribunda lectin and Canavalia gladiata lectin. *Scientific World Journal, The*, **2014**, 2014, 239208	2.2	1
8	Molecular dynamics and binding energy analysis of Vatairea guianensis lectin: a new tool for cancer studies. *Journal of Molecular Modeling*, **2020**, 26, 22	2	1
7	Vatairea guianensis lectin stimulates changes in gene expression and release of TNF- from rat peritoneal macrophages via glycoconjugate binding. *Journal of Molecular Recognition*, **2021**, 34, e2922	2.6	0
6	Lectins applied to diagnosis and treatment of prostate cancer and benign hyperplasia: A review. *International Journal of Biological Macromolecules*, **2021**, 190, 543-553	7.9	0
5	Anti-inflammatory and anti-necrotic effects of lectins from Canavalia ensiformis and Canavalia brasiliensis in experimental acute pancreatitis.. *Glycoconjugate Journal*, **2022**, 1	3	0
4	Antiproliferative activity of Dioclea violacea lectin in CaCO3 particles on cancer cells after controlled release. *Journal of Materials Science*, **2022**, 57, 8854-8868	4.3	0
3	Heterologous production of chain of Dioclea sclerocarpa lectin: Enhancing the biological effects of a wild-type lectin. *International Journal of Biological Macromolecules*, **2020**, 156, 1-9	7.9	
2	Differential vasodilator effect of Dioclea rostrata lectin in conductance and resistance arteries: Mechanisms and glycoconjugate binding relationships. *Basic and Clinical Pharmacology and Toxicology*, **2021**, 129, 130-138	3.1	
1	In depth analysis on the carbohydrate-binding properties of a vasorelaxant lectin from Mart Ex. Benth seeds. *Journal of Biomolecular Structure and Dynamics*, **2021**, 1-14	3.6	