

Kyria Santiago do Nascimento

List of Publications by Year in descending order

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89
papers

1,434
citations

304368

22
h-index

500791

28
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89
all docs

89
docs citations

89
times ranked

1055
citing authors

#	ARTICLE	IF	CITATIONS
1	Vasodilator effects of Diocleinae lectins from the <i>Canavalia</i> genus. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 380, 509-521.	1.4	55
2	An overview of lectins purification strategies. <i>Journal of Molecular Recognition</i> , 2012, 25, 527-541.	1.1	54
3	ConA-Like Lectins: High Similarity Proteins as Models to Study Structure/Biological Activities Relationships. <i>International Journal of Molecular Sciences</i> , 2019, 20, 30.	1.8	47
4	HCA and HML isolated from the red marine algae <i>Hypnea cervicornis</i> and <i>Hypnea musciformis</i> define a novel lectin family. <i>Protein Science</i> , 2005, 14, 2167-2176.	3.1	42
5	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, 1-9.	0.9	37
6	BUL: A novel lectin from <i>Bauhinia unguolata</i> L. seeds with fungistatic and antiproliferative activities. <i>Process Biochemistry</i> , 2014, 49, 203-209.	1.8	30
7	Partition of lectin from <i>Canavalia grandiflora</i> Benth in aqueous two-phase systems using factorial design. <i>Biochemical Engineering Journal</i> , 2011, 53, 165-171.	1.8	29
8	Pharmacological analysis of the neutrophil migration induced by <i>D. rostrata</i> lectin: Involvement of cytokines and nitric oxide. <i>Toxicol</i> , 2009, 54, 736-744.	0.8	28
9	Characterization of Isoforms of the Lectin Isolated from the Red Algae <i>Bryothamnion seaforthii</i> and Its Pro-Healing Effect. <i>Marine Drugs</i> , 2012, 10, 1936-1954.	2.2	28
10	Crystal structure of <i>Dioclea violacea</i> lectin and a comparative study of vasorelaxant properties with <i>Dioclea rostrata</i> lectin. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 807-815.	1.2	28
11	Antidepressant-like effect of <i>Canavalia brasiliensis</i> (ConBr) lectin in mice: Evidence for the involvement of the glutamatergic system. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 122, 53-60.	1.3	27
12	Structural analysis of <i>Centrolobium tomentosum</i> seed lectin with inflammatory activity. <i>Archives of Biochemistry and Biophysics</i> , 2016, 596, 73-83.	1.4	27
13	Structural studies of a vasorelaxant lectin from <i>Dioclea reflexa</i> Hook seeds: Crystal structure, molecular docking and dynamics. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 12-23.	3.6	27
14	One century of ConA and 40 years of ConBr research: A structural review. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 901-911.	3.6	26
15	Effect of Lectins from <i>Diocleinae</i> Subtribe against Oral Streptococci. <i>Molecules</i> , 2011, 16, 3530-3543.	1.7	25
16	Crystal structure of DlyL, a mannose-specific lectin from <i>Dioclea lasiophylla</i> Mart. Ex Benth seeds that display cytotoxic effects against C6 glioma cells. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 64-76.	3.6	25
17	Structural characterization of a lectin from <i>Canavalia virosa</i> seeds with inflammatory and cytotoxic activities. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 271-282.	3.6	24
18	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. <i>MedChemComm</i> , 2019, 10, 390-398.	3.5	24

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19	Structure of Dioclea virgata lectin: Relations between carbohydrate binding site and nitric oxide production. <i>Biochimie</i> , 2012, 94, 900-906.	1.3	23
20	Purification and primary structure of a mannose/glucose-binding lectin from <i>Parkia biglobosa</i> Jacq. seeds with antinociceptive and anti-inflammatory properties. <i>Journal of Molecular Recognition</i> , 2013, 26, 470-478.	1.1	23
21	Anti-glioma properties of DVL, a lectin purified from <i>Dioclea violacea</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 120, 566-577.	3.6	23
22	Title is missing!. <i>Journal of Applied Phycology</i> , 2002, 14, 489-495.	1.5	22
23	ConBr, a Lectin from <i>Canavalia brasiliensis</i> Seeds, Protects Against Quinolinic Acid-Induced Seizures in Mice. <i>Neurochemical Research</i> , 2012, 37, 288-297.	1.6	22
24	Interactions between indole-3-acetic acid (IAA) with a lectin from <i>Canavalia maritima</i> seeds reveal a new function for lectins in plant physiology. <i>Biochimie</i> , 2013, 95, 1697-1703.	1.3	22
25	Structural Studies of an Anti-Inflammatory Lectin from <i>Canavalia boliviana</i> Seeds in Complex with Dimannosides. <i>PLoS ONE</i> , 2014, 9, e97015.	1.1	22
26	Purification and primary structure determination of a galactose-specific lectin from <i>Vatairea guianensis</i> Aublet seeds that exhibits vasorelaxant effect. <i>Process Biochemistry</i> , 2012, 47, 2347-2355.	1.8	21
27	Molecular Characterization and Tandem Mass Spectrometry of the Lectin Extracted from the Seeds of <i>Dioclea sclerocarpa</i> Ducke. <i>Molecules</i> , 2011, 16, 9077-9089.	1.7	20
28	Crystallization and Characterization of an Inflammatory Lectin Purified from the Seeds of <i>Dioclea wilsonii</i> . <i>Molecules</i> , 2011, 16, 5087-5103.	1.7	20
29	Purification, Partial Characterization, and CNBr-Sepharose Immobilization of a Vasorelaxant Glucose/Mannose Lectin from <i>Canavalia virosa</i> Seeds. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 3342-3353.	1.4	20
30	<i>Canavalia bonariensis</i> lectin: Molecular bases of glycoconjugates interaction and antiglioma potential. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 369-378.	3.6	20
31	Lectins from the Red Marine Algal Species <i>Bryothamnion seforthii</i> and <i>Bryothamnion triquetrum</i> as Tools to Differentiate Human Colon Carcinoma Cells. <i>Advances in Pharmacological Sciences</i> , 2009, 2009, 1-6.	3.7	19
32	Purification, Partial Characterization and Immobilization of a Mannose-Specific Lectin from Seeds of <i>Dioclea lasiophylla</i> Mart.. <i>Molecules</i> , 2013, 18, 10857-10869.	1.7	19
33	Lectin purified from <i>Lonchocarpus campestris</i> seeds inhibits inflammatory nociception. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 53-60.	3.6	19
34	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.	3.6	19
35	Crystal structure of a pro-inflammatory lectin from the seeds of <i>Dioclea wilsonii</i> Standl. <i>Biochimie</i> , 2012, 94, 525-532.	1.3	18
36	Reviewing Mimosoideae lectins: A group of under explored legume lectins. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 159-165.	3.6	18

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37	Antifungal activity of lectins against yeast of vaginal secretion. Brazilian Journal of Microbiology, 2012, 43, 770-778.	0.8	17
38	Vasorelaxant activity of Canavalia grandiflora seed lectin: A structural analysis. Archives of Biochemistry and Biophysics, 2014, 543, 31-39.	1.4	17
39	Antiproliferative effect of Canavalia brasiliensis lectin on B16F10 cells. Research in Veterinary Science, 2014, 96, 276-282.	0.9	17
40	Lectin from Dioclea violacea induces autophagy in U87 glioma cells. International Journal of Biological Macromolecules, 2019, 134, 660-672.	3.6	17
41	Vatairea macrocarpa Lectin (VML) Induces Depressive-like Behavior and Expression of Neuroinflammatory Markers in Mice. Neurochemical Research, 2013, 38, 2375-2384.	1.6	16
42	Contribution of the carbohydrate-binding ability of Vatairea guianensis lectin to induce edematogenic activity. Biochimie, 2017, 140, 58-65.	1.3	16
43	Purification and characterization of a mannose/ <i>N</i> -acetylglucosamine-specific lectin from the seeds of <i>Platymiscium floribundum</i> Vogel. Journal of Molecular Recognition, 2012, 25, 443-449.	1.1	15
44	Lectin from Canavalia brasiliensis (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. Neurochemistry International, 2013, 62, 836-842.	1.9	15
45	Purification and primary structure of a novel mannose-specific lectin from Centrolobium microchaete Mart seeds. International Journal of Biological Macromolecules, 2015, 81, 600-607.	3.6	15
46	Purification and molecular characterization of a novel mannose-specific lectin from <i>Dioclea reflexa</i> hook seeds with inflammatory activity. Journal of Molecular Recognition, 2016, 29, 134-141.	1.1	15
47	Structural analysis of a Dioclea sclerocarpa lectin: Study on the vasorelaxant properties of Dioclea lectins. International Journal of Biological Macromolecules, 2016, 82, 464-470.	3.6	15
48	Purification, characterization and partial sequence of a proinflammatory lectin from seeds of <i>Canavalia oxyphylla</i> Standl. & L. O. Williams. Journal of Molecular Recognition, 2014, 27, 117-123.	1.1	14
49	Purification of a thermostable antinociceptive lectin isolated from <i>Andira anthelmia</i> . Journal of Molecular Recognition, 2016, 29, 248-252.	1.1	14
50	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. International Journal of Biological Macromolecules, 2017, 102, 323-330.	3.6	14
51	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.	1.3	14
52	Toxicity and Binding Profile of Lectins from the Genus <i>Canavalia</i> on Brine Shrimp. BioMed Research International, 2013, 2013, 1-7.	0.9	13
53	<i>Dioclea violacea</i> lectin ameliorates inflammation in the temporomandibular joint of rats by suppressing intercellular adhesion molecule-1 expression. Biochimie, 2019, 158, 34-42.	1.3	13
54	Crystal structure of the lectin of <i>Camptosema pedicellatum</i> : implications of a conservative substitution at the hydrophobic subsite. Journal of Biochemistry, 2012, 152, 87-98.	0.9	12

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55	Structural characterization of a <i>Vatairea macrocarpa</i> 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.	1.2	12
56	Structural analysis of <i>Dioclea lasiocarpa</i> lectin: A C6 cells apoptosis-inducing protein. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 92, 79-89.	1.2	12
57	Lectin from <i>Canavalia villosa</i> seeds: A glucose/mannose-specific protein and a new tool for inflammation studies. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 272-280.	3.6	12
58	Structural analysis, molecular docking and molecular dynamics of an edematogenic lectin from <i>Centrobium microchaete</i> seeds. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 124-133.	3.6	12
59	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, 811-818.	0.7	11
60	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.	1.3	11
61	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.	3.6	11
62	ConBr, the Lectin from <i>Canavalia brasiliensis</i> Mart. Seeds: Forty Years of Research. <i>Current Protein and Peptide Science</i> , 2019, 20, 600-613.	0.7	11
63	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, 32-39.	1.4	10
64	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.	3.6	10
65	Comprehensive review on Caesalpinioideae lectins: From purification to biological activities. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 333-348.	3.6	10
66	Crystal structure of <i>Pisum arvense</i> 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.	1.4	9
67	Renal effects induced by the lectin from <i>Vatairea macrocarpa</i> seeds. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 1329-1333.	1.2	8
68	Hydrochar as protein support: preservation of biomolecule properties with non-covalent immobilization. <i>Journal of Materials Science</i> , 2017, 52, 13378-13389.	1.7	8
69	The leguminous lectin of <i>Lonchocarpus araripensis</i> promotes antinociception via mechanisms that include neuronal inhibition of Na ⁺ currents. <i>Inflammation Research</i> , 2016, 65, 701-708.	1.6	6
70	Homology modeling, molecular docking, and dynamics of two α -methyl-d-mannoside-specific lectins from <i>Arachis</i> genus. <i>Journal of Molecular Modeling</i> , 2018, 24, 251.	0.8	5
71	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.	1.7	5
72	Antinociceptive effect of <i>Lonchocarpus araripensis</i> lectin: activation of l-arginine/NO/cGMP/K ⁺ ATP signaling pathway. <i>Inflammopharmacology</i> , 2020, 28, 1623-1631.	1.9	4

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73	A Diocleinae type II lectin from <i>Dioclea lasiophylla</i> Mart. Ex Benth seeds specific to $\hat{\pm}$ -lactose/GalNAc. <i>Process Biochemistry</i> , 2020, 93, 104-114.	1.8	4
74	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.	3.6	4
75	Homologous <i>Canavalia</i> lectins elicit different patterns of antinociceptive responses. <i>Natural Product Communications</i> , 2013, 8, 1621-4.	0.2	4
76	A Lectin from <i>Dioclea violacea</i> Interacts with Midgut Surface of <i>Lutzomyia migonei</i> , Unlike Its Homologues, <i>Cratylia floribunda</i> Lectin and <i>Canavalia gladiata</i> Lectin. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	3
77	Structure prediction and functional analysis of a non-permutated lectin from <i>Dioclea grandiflora</i> . <i>Biochimie</i> , 2016, 131, 54-67.	1.3	3
78	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.	0.8	3
79	Exploring the carbohydrate-binding ability of <i>Canavalia bonariensis</i> lectin in inflammation models. <i>Journal of Molecular Recognition</i> , 2020, 33, e2870.	1.1	3
80	A review of <i>Vicieae</i> lectins studies: End of the book or a story in the writing?. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 1104-1123.	3.6	3
81	<i>Vatairea guianensis</i> lectin stimulates changes in gene expression and release of TNF $\hat{\pm}$ from rat peritoneal macrophages via glycoconjugate binding. <i>Journal of Molecular Recognition</i> , 2021, 34, e2922.	1.1	3
82	The lectin isolated from <i>Lonchocarpus araripensis</i> seed elicits endothelium-dependent vasorelaxation. <i>Journal of Health & Biological Sciences</i> , 2017, 5, 306-310.	0.0	3
83	Isoform Characterisation, Heterologous Expression and Functional Analysis of Two Lectins from <i>Vatairea macrocarpa</i> . <i>Protein and Peptide Letters</i> , 2013, 20, 1204-1210.	0.4	3
84	Purification and characterization of a highly thermostable GlcNAc-binding lectin from <i>Collaea speciosa</i> seeds. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1562-1571.	3.6	3
85	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, 39, 599-608.	1.4	3
86	Purification and Partial Characterization of a New Mannose/Glucose-Specific Lectin from <i>Centrolobium tomentosum</i> Guill. ex Benth Seeds Exhibiting Low Toxicity on <i>Artemia</i> sp.. <i>International Journal of Indigenous Medicinal Plants</i> , 2014, 47, 1567-1577.	1.0	2
87	In depth analysis on the carbohydrate-binding properties of a vasorelaxant lectin from <i>Dioclea lasiophylla</i> Mart Ex. Benth seeds. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 6817-6830.	2.0	1
88	Heterologous production of $\hat{\pm}$ -chain 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.	3.6	0
89	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.	1.2	0