Celso Shiniti Nagano

List of Publications by Year
in descending order

107	1,812	279487 23	433756 31
papers	citations	h-index	g-index

107	107	107	1421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antinociceptive and anti-inflammatory effects of a mucin-binding agglutinin isolated from the red marine alga Hypnea cervicornis. Naunyn-Schmiedeberg's Archives of Pharmacology, 2008, 377, 139-148.	1.4	59
2	The amino acid sequence of the agglutinin isolated from the red marine alga Bryothamnion triquetrum defines a novel lectin structure. Cellular and Molecular Life Sciences, 2000, 57, 343-350.	2.4	48
3	The amino-acid sequence of the glucose/mannose-specific lectin isolated from Parkia platycephala seeds reveals three tandemly arranged jacalin-related domains. FEBS Journal, 2001, 268, 4414-4422.	0.2	47
4	Structural characterization of two isolectins from the marine red alga Solieria filiformis (KÃ¼tzing) P.W. Gabrielson and their anticancer effect on MCF-7 breast cancer cells. International Journal of Biological Macromolecules, 2018, 107, 1320-1329.	3.6	45
5	HCA and HML isolated from the red marine algaeHypnea cervicornisandHypnea musciformisdefine a novel lectin family. Protein Science, 2005, 14, 2167-2176.	3.1	42
6	In vitroinhibition of oral streptococci binding to the acquired pellicle by algal lectins. Journal of Applied Microbiology, 2007, 103, 1001-1006.	1.4	38
7	Purification and molecular cloning of a new galactose-specific lectin from Bauhinia variegata seeds. Journal of Biosciences, 2008, 33, 355-363.	0.5	36
8	The potent anti-cancer activity of Dioclea lasiocarpa lectin. Journal of Inorganic Biochemistry, 2017, 175, 179-189.	1.5	34
9	The First Crystal Structure of a Mimosoideae Lectin Reveals a Novel Quaternary Arrangement of a Widespread Domain. Journal of Molecular Biology, 2005, 353, 574-583.	2.0	33
10	Structural analysis of ConBr reveals molecular correlation between the carbohydrate recognition domain and endothelial NO synthase activation. Biochemical and Biophysical Research Communications, 2011, 408, 566-570.	1.0	33
11	Seminal plasma proteins and their relationship with sperm motility and morphology in boars. Andrologia, 2019, 51, e13222.	1.0	32
12	Purification and Characterization of a new Lectin from the Red Marine Alga Hypnea Musciformis. Protein and Peptide Letters, 2002, 9, 159-165.	0.4	28
13	Insights into the structural basis of the pH-dependent dimerâ€“tetramer equilibrium through crystallographic analysis of recombinantDiocleinaelectins. Biochemical Journal, 2008, 409, 417-428.	1.7	28
14	Characterization of Isoforms of the Lectin Isolated from the Red Algae Bryothamnion seaforthii and Its Pro-Healing Effect. Marine Drugs, 2012, 10, 1936-1954.	2.2	28
15	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, 807-815.	1.2	28
16	H-3, a new lectin from the marine sponge Haliclona caerulea: Purification and mass spectrometric characterization. International Journal of Biochemistry and Cell Biology, 2013, 45, 2864-2873.	1.2	27
17	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.	3.6	27
18	Chemical composition of volatile compounds in two red seaweeds, Pterocladiella capillacea and Osmundaria obtusiloba, using static headspace gas chromatography mass spectrometry. Journal of Applied Phycology, 2017, 29, 1571-1576.	1.5	26

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19	cDNA cloning and 1.75â€ƒÃ… crystal structure determination of PPL2, an endochitinase and N-acetylglucosamine-binding hemagglutinin from Parkia platycephala seeds. FEBS Journal, 2006, 273, 3962-3974.	2.2	25
20	Purification and Partial Characterization of a New Pro-Inflammatory Lectin from Bauhinia bauhinioides Mart (Caesalpinoideae) Seeds. Protein and Peptide Letters, 2011, 18, 396-402.	0.4	25
21	Opioidâ€like antinociceptive effects of oral administration of a lectin purified from the seeds of Canavalia brasiliensis. Fundamental and Clinical Pharmacology, 2013, 27, 201-209.	1.0	25
22	High-resolution structure of a new Tn antigen-binding lectin from Vatairea macrocarpa and a comparative analysis of Tn-binding legume lectins. International Journal of Biochemistry and Cell Biology, 2015, 59, 103-110.	1.2	25
23	Structural characterization of a lectin from Canavalia virosa seeds with inflammatory and cytotoxic activities. International Journal of Biological Macromolecules, 2017, 94, 271-282.	3.6	24
24	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. MedChemComm, 2019, 10, 390-398.	3.5	24
25	Isolation and characterization of a new agglutinin from the red marine alga Hypnea cervicornis J. Agardh. Biochemistry and Cell Biology, 2006, 84, 49-54.	0.9	23
26	Structure of Dioclea virgata lectin: Relations between carbohydrate binding site and nitric oxide production. Biochimie, 2012, 94, 900-906.	1.3	23
27	Purification and primary structure of a mannose/glucoseâ€binding lectin from Parkia biglobosa Jacq. seeds with antinociceptive and antiâ€inflammatory properties. Journal of Molecular Recognition, 2013, 26, 470-478.	1.1	23
28	Halilectin-3, a Lectin from the Marine Sponge Haliclona caerulea, Induces Apoptosis and Autophagy in Human Breast Cancer MCF7 Cells Through Caspase-9 Pathway and LC3-II Protein Expression. Anti-Cancer Agents in Medicinal Chemistry, 2018, 18, 521-528.	0.9	23
29	Title is missing!. Journal of Applied Phycology, 2002, 14, 489-495.	1.5	22
30	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, 1697-1703.	1.3	22
31	Antioxidant potential and cytotoxic activity of two red seaweed species, Amansia multifida and Meristiella echinocarpa, from the coast of Northeastern Brazil. Anais Da Academia Brasileira De Ciencias, 2014, 86, 251-263.	0.3	22
32	Purification, Biochemical Characterization, and Amino Acid Sequence of a Novel Type of Lectin from Aplysia dactylomela Eggs with Antibacterial/Antibiofilm Potential. Marine Biotechnology, 2017, 19, 49-64.	1.1	22
33	Antibacterial activity of a new lectin isolated from the marine sponge Chondrilla caribensis. International Journal of Biological Macromolecules, 2018, 109, 1292-1301.	3.6	22
34	Structural Studies of an Anti-Inflammatory Lectin from Canavalia boliviana Seeds in Complex with Dimannosides. PLoS ONE, 2014, 9, e97015.	1.1	22
35	Purification and Biological Activities of Abelmoschus esculentus Seed Lectin. Protein Journal, 2012, 31, 674-680.	0.7	21
36	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.	1.8	21

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37	Antihyperglycemic and antioxidant activities of a lectin from the marine red algae, Bryothamnion seaforthii, in rats with streptozotocin-induced diabetes. International Journal of Biological Macromolecules, 2020, 158, 773-780.	3.6	21
38	Molecular Characterization and Tandem Mass Spectrometry of the Lectin Extracted from the Seeds of Dioclea sclerocarpa Ducke. Molecules, 2011, 16, 9077-9089.	1.7	20
39	Crystallization and Characterization of an Inflammatory Lectin Purified from the Seeds of Dioclea wilsonii. Molecules, 2011, 16, 5087-5103.	1.7	20
40	Purification, Partial Characterization, and CNBr-Sepharose Immobilization of a Vasorelaxant Glucose/Mannose Lectin from Canavalia virosa Seeds. Applied Biochemistry and Biotechnology, 2014, 172, 3342-3353.	1.4	20
41	Lectins from the Red Marine Algal SpeciesBryothamnion seaforthiiandBryothamnion triquetrumas Tools to Differentiate Human Colon Carcinoma Cells. Advances in Pharmacological Sciences, 2009, 2009, 1-6.	3.7	19
42	Purification, Partial Characterization and Immobilization of a Mannose-Specific Lectin from Seeds of Dioclea lasiophylla Mart.. Molecules, 2013, 18, 10857-10869.	1.7	19
43	Purification and biophysical characterization of a mannose/N-acetyl-d-glucosamine-specific lectin from Machaerium acutifolium and its effect on inhibition of orofacial pain via TRPV1 receptor. Archives of Biochemistry and Biophysics, 2019, 664, 149-156.	1.4	19
44	Modulation of the pharmacological effects of enzymatically-active PLA2 by BTL-2, an isolectin isolated from the Bryothamnion triquetrum red alga. BMC Biochemistry, 2008, 9, 16.	4.4	18
45	Crystal structure of a pro-inflammatory lectin from the seeds of Dioclea wilsonii Standl. Biochimie, 2012, 94, 525-532.	1.3	18
46	HGA-2, a novel galactoside-binding lectin from the sea cucumber Holothuria grisea binds to bacterial cells. International Journal of Biological Macromolecules, 2014, 64, 435-442.	3.6	18
47	Halilectin 1 (Hâ€1) and Halilectin 2 (Hâ€2): two new lectins isolated from the marine sponge Haliclona caerulea. Journal of Molecular Recognition, 2013, 26, 51-58.	1.1	17
48	Vasorelaxant activity of Canavalia grandiflora seed lectin: A structural analysis. Archives of Biochemistry and Biophysics, 2014, 543, 31-39.	1.4	17
49	Purification, Characterization, and Preliminary X-Ray Diffraction Analysis of a Lactose-Specific Lectin from Cymbosema roseum Seeds. Applied Biochemistry and Biotechnology, 2009, 152, 383-393.	1.4	16
50	Vatairea macrocarpa Lectin (VML) Induces Depressive-like Behavior and Expression of Neuroinflammatory Markers in Mice. Neurochemical Research, 2013, 38, 2375-2384.	1.6	16
51	Mannose-specific legume lectin from the seeds of Dolichos lablab (FRIL) stimulates inflammatory and hypernociceptive processes in mice. Process Biochemistry, 2014, 49, 529-534.	1.8	16
52	Proteomic identification of boar seminal plasma proteins related to sperm resistance to cooling at 17ÂÂ°C. Theriogenology, 2020, 147, 135-145.	0.9	16
53	Purification and characterization of a mannose/Nâ€acetylâ€<scp>d</scp>â€glucosamineâ€specific lectin from the seeds of Platymiscium floribundum Vogel. Journal of Molecular Recognition, 2012, 25, 443-449.	1.1	15
54	Structural basis of ConM binding with resveratrol, an anti-inflammatory and antioxidant polyphenol. International Journal of Biological Macromolecules, 2015, 72, 1136-1142.	3.6	15

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55	l-rhamnose-binding lectin from eggs of the Echinometra lucunter: Amino acid sequence and molecular modeling. International Journal of Biological Macromolecules, 2015, 78, 180-188.	3.6	15
56	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
57	Purification and molecular characterization of a novel mannoseâ€specific lectin from Dioclea reflexa hook seeds with inflammatory activity. Journal of Molecular Recognition, 2016, 29, 134-141.	1.1	15
58	Purification of a PHA-Like Chitin-binding Protein from Acacia farnesiana Seeds: A Time-dependent Oligomerization Protein. Applied Biochemistry and Biotechnology, 2008, 150, 97-111.	1.4	14
59	Lectin of Pisum arvense seeds induces in-vivo and in-vitro neutrophil migration. Journal of Pharmacy and Pharmacology, 2010, 57, 375-381.	1.2	14
60	Purification, characterization and partial sequence of a proâ€inflammatory lectin from seeds of Canavalia oxyphylla Standl. & L. O. Williams. Journal of Molecular Recognition, 2014, 27, 117-123.	1.1	14
61	Meristiella echinocarpa lectin (MEL): a new member of the OAAH-lectin family. Journal of Applied Phycology, 2018, 30, 2629-2638.	1.5	14
62	Structural and functional features of a class VI chitinase from cashew (Anacardium occidentale L.) with antifungal properties. Phytochemistry, 2020, 180, 112527.	1.4	14
63	Energetics of 5-bromo-4-chloro-3-indolyl-Î±-D-mannose binding to theParkia platycephalaseed lectin and its use for MAD phasing. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 326-331.	0.7	13
64	Mass Spectrometry and X-ray Diffraction Analysis of Two Crystal Types of Dioclea virgata Lectin: An Antinociceptive Protein Candidate to Structure/Function Analysis. Applied Biochemistry and Biotechnology, 2011, 164, 741-754.	1.4	13
65	Purification and partial characterization of a novel lectin from Dioclea lasiocarpa Mart seeds with vasodilator effects. Journal of Molecular Recognition, 2012, 25, 657-664.	1.1	13
66	Toxicity and Binding Profile of Lectins from the GenusCanavaliaon Brine Shrimp. BioMed Research International, 2013, 2013, 1-7.	0.9	13
67	A new mucin-binding lectin from the marine sponge Aplysina fulva (AFL) exhibits antibiofilm effects. Archives of Biochemistry and Biophysics, 2019, 662, 169-176.	1.4	13
68	Potent Anti-Candida Fraction Isolated from Capsicum chinense Fruits Contains an Antimicrobial Peptide That is Similar to Plant Defensin and is Able to Inhibit the Activity of Different Î±-Amylase Enzymes. Probiotics and Antimicrobial Proteins, 2021, 13, 862-872.	1.9	13
69	Crystal structure of the lectin of Camptosema pedicellatum: implications of a conservative substitution at the hydrophobic subsite. Journal of Biochemistry, 2012, 152, 87-98.	0.9	12
70	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.	1.2	12
71	Cloning of cDNA sequences encoding cowpea (Vigna unguiculata) vicilins: Computational simulations suggest a binding mode of cowpea vicilins to chitin oligomers. International Journal of Biological Macromolecules, 2018, 117, 565-573.	3.6	12
72	Proteome of the periovulatory oviduct and uterus of goats as related to nutritional balance. Reproduction in Domestic Animals, 2018, 53, 1085-1095.	0.6	12

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73	Protein crystal content analysis by mass spectrometry and preliminary Xâ€ray diffraction of a lectin from Canavalia grandiflora seeds with modulatory role in inflammation. Rapid Communications in Mass Spectrometry, 2012, 26, 811-818.	0.7	11
74	Hemagglutinating/Hemolytic activities in extracts of marine invertebrates from the Brazilian coast and isolation of two lectins from the marine sponge Cliona varians and the sea cucumber Holothuria grisea. Anais Da Academia Brasileira De Ciencias, 2015, 87, 973-984.	0.3	11
75	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.	1.3	11
76	Isolation, biochemical characterization and antibiofilm effect of a lectin from the marine sponge Aplysina lactuca. International Journal of Biological Macromolecules, 2017, 99, 213-222.	3.6	11
77	ClCPI, a cysteine protease inhibitor purified from Cassia leiandra seeds has antifungal activity against Candida tropicalis by inducing disruption of the cell surface. International Journal of Biological Macromolecules, 2019, 133, 1115-1124.	3.6	10
78	Latex peptidases produce peptides capable of delaying fungal growth in bread. Food Chemistry, 2022, 373, 131410.	4.2	10
79	The galactoseâ€binding lectin isolated from Bauhinia bauhinioides Mart seeds inhibits neutrophil rolling and adhesion via primary cytokines. Journal of Molecular Recognition, 2015, 28, 285-292.	1.1	9
80	Secretory production in Escherichia coli of a GH46 chitosanase from Chromobacterium violaceum, suitable to generate antifungal chitooligosaccharides. International Journal of Biological Macromolecules, 2020, 165, 1482-1495.	3.6	9
81	H2O2 priming induces proteomic responses to defense against salt stress in maize. Plant Molecular Biology, 2021, 106, 33-48.	2.0	9
82	Fine specificities of two lectins from Cymbosema roseum seeds: a lectin specific for high-mannose oligosaccharides and a lectin specific for blood group H type II trisaccharide. Glycobiology, 2011, 21, 925-933.	1.3	7
83	Purification and partial characterization of a new mannose/glucoseâ€specific lectin from Dialium guineense Willd seeds that exhibits toxic effect. Journal of Molecular Recognition, 2013, 26, 351-356.	1.1	7
84	Aqueous Two-Phase Systems of Mixture of Triblock Copolymer (EO)₁₃(PO)₃₀(EO)₁₃ (L64) and Sulfate Salts at Different Temperatures. Journal of Chemical & Engineering Data, 2015, 60, 1722-1726.	1.0	7
85	New lectins from Codium isthmocladum Vickers show unique amino acid sequence and antibiofilm effect on pathogenic bacteria. Journal of Applied Phycology, 2020, 32, 4263-4276.	1.5	7
86	Proteome of milk fat globule membrane and mammary gland tissue in goat fed different lipid supplementation. Small Ruminant Research, 2021, 199, 106378.	0.6	7
87	Crystallization and preliminary X-ray diffraction analysis of the lectin fromCanavalia bolivianaPiper seeds. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 213-215.	0.7	6
88	Biological Applications of Plants and Algae Lectins: An Overview. , 0, , .		6
89	Elucidation of the primary structure and molecular modeling of Parkia pendula lectin and in vitro evaluation of the leishmanicidal activity. Process Biochemistry, 2021, 101, 1-10.	1.8	6
90	Crystallization and preliminary X-ray diffraction analysis of a new chitin-binding protein fromParkia platycephalaseeds. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 841-843.	0.7	5

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91	Crystallization and preliminary X-ray diffraction analysis of HML, a lectin from the red marine algaHypnea musciformis. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 997-999.	0.7	5
92	Morphology, ultrastructure and immunocytochemistry of Hypnea cervicornis and Hypnea musciformis-(Hypneaceae, Rhodophyta) from the coastal waters of CearÃ¡, Brazil. Journal of Microscopy and Ultrastructure, 2014, 2, 104.	0.1	5
93	A chromophore-containing agglutinin from Haliclona manglaris: Purification and biochemical characterization. International Journal of Biological Macromolecules, 2015, 72, 1368-1375.	3.6	5
94	Protein profile of the ovarian follicular fluid of brown brocket deer (Mazama gouazoubira) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.5	5
95	Structural characterization of a galectin isolated from the marine sponge Chondrilla caribensis with leishmanicidal potential. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129992.	1.1	5
96	A Diocleinae type II lectin from Dioclea lasiophylla Mart. Ex Benth seeds specific to Î±-lactose/GalNAc. Process Biochemistry, 2020, 93, 104-114.	1.8	4
97	Structure prediction and functional analysis of a non-permutated lectin from Dioclea grandiflora. Biochimie, 2016, 131, 54-67.	1.3	3
98	Identification of enzyme inhibitors and antimicrobial activities from Capsicum annuum L. protein extracts against Colletotrichum scovillei. Horticulture Environment and Biotechnology, 2021, 62, 493-506.	0.7	3
99	Isoform Characterisation, Heterologous Expression and Functional Analysis of Two Lectins from Vatairea macrocarpa. Protein and Peptide Letters, 2013, 20, 1204-1210.	0.4	3
100	Codium isthmocladum lectin 1 (CiL-1): Interaction with N-glycans explains antinociceptive and anti-inflammatory activities in adult zebrafish (Danio rerio). International Journal of Biological Macromolecules, 2022, 208, 1082-1089.	3.6	3
101	Crystallization and preliminary X-ray diffraction analysis of the seed lectin fromParkia platycephala. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 167-169.	2.5	2
102	A novel vasorelaxant lectin purified from seeds of Clathrotropis nitida : partial characterization and immobilization in chitosan beads. Archives of Biochemistry and Biophysics, 2015, 588, 33-40.	1.4	2
103	Structural aspects and physiological implications of the hemoglobin of green iguana (Iguana iguana). International Journal of Biological Macromolecules, 2018, 120, 1275-1285.	3.6	1
104	Purification and enzymatic properties of a textile dye-decolourizing peroxidase from Moringa oleifera roots. Brazilian Journal of Development, 2020, 6, 17526-17548.	0.0	1
105	Inhibition of Serine Protease, Î±-Amylase and Growth of Phytopathogenic Fungi by Antimicrobial Peptides from Capsicum chinense Fruits. Probiotics and Antimicrobial Proteins, 2023, 15, 502-515.	1.9	1
106	Diocleinae Lectins: Clues to Delineate Structure/Function Correlations. Principles and Practice, 2004, , 81-91.	0.3	1
107	STRUCTURAL CHARACTERIZATION OF A RECOMBINANT TN ANTIGEN-BINDING LECTIN FROM VATAIREA MACROCARPA. , 0, , .		0