Celso Shiniti Nagano

List of Publications by Year in descending order

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107 papers 1,812 citations

279487
23
h-index

31 g-index

107 all docs

107
docs citations

107 times ranked

1421 citing authors

#	Article	IF	CITATIONS
1	Inhibition of Serine Protease, α-Amylase and Growth of Phytopathogenic Fungi by Antimicrobial Peptides from Capsicum chinense Fruits. Probiotics and Antimicrobial Proteins, 2023, 15, 502-515.	1.9	1
2	Latex peptidases produce peptides capable of delaying fungal growth in bread. Food Chemistry, 2022, 373, 131410.	4.2	10
3	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
4	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
5	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 α-Amylase Enzymes. Probiotics and Antimicrobial Proteins, 2021, 13, 862-872.	1.9	13
6	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
7	H2O2 priming induces proteomic responses to defense against salt stress in maize. Plant Molecular Biology, 2021, 106, 33-48.	2.0	9
8	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
9	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
10	Protein profile of the ovarian follicular fluid of brown brocket deer (<i>Mazama gouazoubira</i> ;) Tj ETQq0 0 0 r	gBT/Over	lock 10 Tf 50 3
11	Proteomic identification of boar seminal plasma proteins related to sperm resistance to cooling at 17°C. Theriogenology, 2020, 147, 135-145.	0.9	16
12	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
13	Structural and functional features of a class VI chitinase from cashew (Anacardium occidentale L.) with antifungal properties. Phytochemistry, 2020, 180, 112527.	1.4	14
14	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
15	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
16	A Diocleinae type II lectin from Dioclea lasiophylla Mart. Ex Benth seeds specific to \hat{l} ±-lactose/GalNAc. Process Biochemistry, 2020, 93, 104-114.	1.8	4
17	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
18	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. MedChemComm, 2019, 10, 390-398.	3 . 5	24

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19	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
20	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
21	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
22	Seminal plasma proteins and their relationship with sperm motility and morphology in boars. Andrologia, 2019, 51, e13222.	1.0	32
23	Structural characterization of two isolectins from the marine red alga Solieria filiformis (Kýtzing) 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
24	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
25	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
26	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
27	Meristiella echinocarpa lectin (MEL): a new member of the OAAH-lectin family. Journal of Applied Phycology, 2018, 30, 2629-2638.	1.5	14
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	The potent anti-cancer activity of Dioclea lasiocarpa lectin. Journal of Inorganic Biochemistry, 2017, 175, 179-189.	1.5	34
36	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

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37	Purification and molecular characterization of a novel mannoseâ€specific lectin from ⟨i⟩Dioclea reflexa⟨ i⟩ hook seeds with inflammatory activity. Journal of Molecular Recognition, 2016, 29, 134-141.	1.1	15
38	Structure prediction and functional analysis of a non-permutated lectin from Dioclea grandiflora. Biochimie, 2016, 131, 54-67.	1.3	3
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.	1.2	12
40	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
41	The galactoseâ€binding lectin isolated from <i>Bauhinia bauhinioides</i> Mart seeds inhibits neutrophil rolling and adhesion via primary cytokines. Journal of Molecular Recognition, 2015, 28, 285-292.	1.1	9
42	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
43	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
44	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
45	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
46	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 & Different Superatures (Po) (L64) and Sulfate Salts at Different Temperatures (Po) (Po) (Po) (Po) (Po) (Po) (Po) (Po)	1.0	7
47	A chromophore-containing agglutinin from Haliclona manglaris: Purification and biochemical characterization. International Journal of Biological Macromolecules, 2015, 72, 1368-1375.	3.6	5
48	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
49	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
50	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
51	Purification, characterization and partial sequence of a proâ€inflammatory lectin from seeds of <i>Canavalia oxyphylla</i> Standl. & D. Williams. Journal of Molecular Recognition, 2014, 27, 117-123.	1.1	14
52	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
53	Vasorelaxant activity of Canavalia grandiflora seed lectin: A structural analysis. Archives of Biochemistry and Biophysics, 2014, 543, 31-39.	1.4	17
54	Morphology, ultrastructure and immunocytochemistry of Hypnea cervicornis and Hypnea musciformis-(Hypneaceae, Rhodophyta) from the coastal waters of Cear \tilde{A}_i , Brazil. Journal of Microscopy and Ultrastructure, 2014, 2, 104.	0.1	5

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55	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
56	Structural Studies of an Anti-Inflammatory Lectin from Canavalia boliviana Seeds in Complex with Dimannosides. PLoS ONE, 2014, 9, e97015.	1.1	22
57	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
58	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
59	Halilectin 1 (Hâ€1) and Halilectin 2 (Hâ€2): two new lectins isolated from the marine sponge <i>Haliclona caerulea</i> . Journal of Molecular Recognition, 2013, 26, 51-58.	1.1	17
60	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
61	Purification and partial characterization of a new mannose/glucoseâ€specific lectin from ⟨i⟩Dialium guineense⟨/i⟩ Willd seeds that exhibits toxic effect. Journal of Molecular Recognition, 2013, 26, 351-356.	1.1	7
62	Purification and primary structure of a mannose/glucoseâ€binding lectin from <i>Parkia biglobosa</i> Jacq. seeds with antinociceptive and antiâ€inflammatory properties. Journal of Molecular Recognition, 2013, 26, 470-478.	1.1	23
63	Vatairea macrocarpa Lectin (VML) Induces Depressive-like Behavior and Expression of Neuroinflammatory Markers in Mice. Neurochemical Research, 2013, 38, 2375-2384.	1.6	16
64	Opioidâ€like antinociceptive effects of oral administration of a lectin purified from the seeds of <i>Canavalia brasiliensis</i> . Fundamental and Clinical Pharmacology, 2013, 27, 201-209.	1.0	25
65	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
66	Purification, Partial Characterization and Immobilization of a Mannose-Specific Lectin from Seeds of Dioclea lasiophylla Mart Molecules, 2013, 18, 10857-10869.	1.7	19
67	Isoform Characterisation, Heterologous Expression and Functional Analysis of Two Lectins from Vatairea macrocarpa. Protein and Peptide Letters, 2013, 20, 1204-1210.	0.4	3
68	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
69	Purification and partial characterization of a novel lectin from <i>Dioclea lasiocarpa</i> Mart seeds with vasodilator effects. Journal of Molecular Recognition, 2012, 25, 657-664.	1.1	13
70	Purification and Biological Activities of Abelmoschus esculentus Seed Lectin. Protein Journal, 2012, 31, 674-680.	0.7	21
71	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
72	Crystal structure of a pro-inflammatory lectin from the seeds of Dioclea wilsonii Standl. Biochimie, 2012, 94, 525-532.	1.3	18

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73	Structure of Dioclea virgata lectin: Relations between carbohydrate binding site and nitric oxide production. Biochimie, 2012, 94, 900-906.	1.3	23
74	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
75	Protein crystal content analysis by mass spectrometry and preliminary Xâ€ray diffraction of a lectin from <i>Canavalia grandiflora</i> seeds with modulatory role in inflammation. Rapid Communications in Mass Spectrometry, 2012, 26, 811-818.	0.7	11
76	Purification and characterization of a mannose/ <i>N</i> àêacetyl― <scp>d</scp> â€glucosamineâ€specific lectin from the seeds of <i>Platymiscium floribundum</i> Vogel. Journal of Molecular Recognition, 2012, 25, 443-449.	1.1	15
77	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
78	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
79	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
80	Crystallization and Characterization of an Inflammatory Lectin Purified from the Seeds of Dioclea wilsonii. Molecules, 2011, 16, 5087-5103.	1.7	20
81	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
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	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
84	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
85	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
86	Crystallization and preliminary X-ray diffraction analysis of the lectin from Canavalia boliviana Piper seeds. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 213-215.	0.7	6
87	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
88	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
89	Purification and molecular cloning of a new galactose-specific lectin from Bauhinia variegata seeds. Journal of Biosciences, 2008, 33, 355-363.	0.5	36
90	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

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91	Insights into the structural basis of the pH-dependent dimer–tetramer equilibrium through crystallographic analysis of recombinant⟨i⟩Diocleinae⟨/i⟩lectins. Biochemical Journal, 2008, 409, 417-428.	1.7	28
92	In vitroinhibition of oral streptococci binding to the acquired pellicle by algal lectins. Journal of Applied Microbiology, 2007, 103, 1001-1006.	1.4	38
93	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
94	cDNA cloning and $1.75 \hat{a} \in f \tilde{A}$ 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
95	HCA and HML isolated from the red marine algaeHypnea cervicornisandHypnea musciformisdefine a novel lectin family. Protein Science, 2005, 14, 2167-2176.	3.1	42
96	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
97	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
98	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
99	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
100	Diocleinae Lectins: Clues to Delineate Structure/Function Correlations. Principles and Practice, 2004, , 81-91.	0.3	1
101	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
102	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
103	Title is missing!. Journal of Applied Phycology, 2002, 14, 489-495.	1.5	22
104	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
105	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
106	Biological Applications of Plants and Algae Lectins: An Overview. , 0, , .		6
107	STRUCTURAL CHARACTERIZATION OF A RECOMBINANT TN ANTIGEN-BINDING LECTIN FROM VATAIREA MACROCARPA. , 0, , .		0