Els Van Damme

List of Publications by Year
in descending order

390 papers	17,576 citations	15495 65 h-index	26591 107 g-index
397 all docs	397 docs citations	397 times ranked	10071 citing authors

#	Article	IF	Citations
1	RNAi of the Nâ€glycosylationâ€related genes confirms their importance in insect development and Î±â€1,6â€fucosyltransferase plays a role in the ecdysis event for the hemimetabolous pest insect Nilaparvata lugens. Insect Science, 2022, 29, 91-99.	1.5	6
2	35Âyears in plant lectin research: a journey from basic science to applicationsÂin agriculture and medicine. Glycoconjugate Journal, 2022, 39, 83-97.	1.4	19
3	A novel chicory fructanase can degrade common microbial fructan product profiles and displays positive cooperativity. Journal of Experimental Botany, 2022, 73, 1602-1622.	2.4	11
4	Improved heat stability of recombined filled evaporated milk emulsions by wet heat pre-treatment of skim milk powder dispersions at different pH values. LWT - Food Science and Technology, 2022, 154, 112739.	2.5	1
5	Developmental Oâ€glycan profile analysis shows pentasaccharide mucinâ€type Oâ€glycans are linked with pupation of Tribolium castaneum. Archives of Insect Biochemistry and Physiology, 2022, 109, e21852.	0.6	1
6	RNAi-Based Biocontrol Products: Market Status, Regulatory Aspects, and Risk Assessment. Frontiers in Insect Science, 2022, 1, .	0.9	36
7	Legume Lectins with Different Specificities as Potential Glycan Probes for Pathogenic Enveloped Viruses. Cells, 2022, 11, 339.	1.8	10
8	Antiproliferative activity of Dioclea violacea lectin in CaCO3 particles on cancer cells after controlled release. Journal of Materials Science, 2022, 57, 8854-8868.	1.7	5
9	In Vitro Characterization of the Carbohydrate-Binding Agents HHA, GNA, and UDA as Inhibitors of Influenza A and B Virus Replication. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	8
10	Effect of RIP Overexpression on Abiotic Stress Tolerance and Development of Rice. International Journal of Molecular Sciences, 2021, 22, 1434.	1.8	7
11	Lewis A Glycans Are Present on Proteins Involved in Cell Wall Biosynthesis and Appear Evolutionarily Conserved Among Natural Arabidopsis thaliana Accessions. Frontiers in Plant Science, 2021, 12, 630891.	1.7	14
12	RNAi-Mediated Silencing of Pgants Shows Core 1 O-Glycans Are Required for Pupation in Tribolium castaneum. Frontiers in Physiology, 2021, 12, 629682.	1.3	3
13	Can Plant Lectins Help to Elucidate Insect Lectin-Mediated Immune Response?. Insects, 2021, 12, 497.	1.0	3
14	Sweet Modifications Modulate Plant Development. Biomolecules, 2021, 11, 756.	1.8	14
15	The lectin Orysata induces phosphatase-mediated and carbohydrate-independent aggregation of insect cells. Journal of Insect Physiology, 2021, 131, 104241.	0.9	4
16	Man-Specific Lectins from Plants, Fungi, Algae and Cyanobacteria, as Potential Blockers for SARS-CoV, MERS-CoV and SARS-CoV-2 (COVID-19) Coronaviruses: Biomedical Perspectives. Cells, 2021, 10, 1619.	1.8	26
17	Accelerated delivery of dsRNA in lepidopteran midgut cells by a Galanthus nivalis lectin (GNA)-dsRNA-binding domain fusion protein. Pesticide Biochemistry and Physiology, 2021, 175, 104853.	1.6	23
18	Overexpression of F-Box Nictaba Promotes Defense and Anthocyanin Accumulation in Arabidopsis thaliana After Pseudomonas syringae Infection. Frontiers in Plant Science, 2021, 12, 692606.	1.7	8

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19	The T/Tn-Specific Helix pomatia Lectin Induces Cell Death in Lymphoma Cells Negative for T/Tn Antigens. Cancers, 2021, 13, 4356.	1.7	5
20	Editorial: Plant Glycobiology - A Sweet World of Glycans, Glycoproteins, Glycolipids, and Carbohydrate-Binding Proteins. Frontiers in Plant Science, 2021, 12, 751923.	1.7	5
21	Binding of Orysata lectin induces an immune response in insect cells. Insect Science, 2021, , .	1.5	6
22	Improved heat stability of recombined evaporated milk emulsions by wet heat pretreatment of skim milk powder dispersions. Food Hydrocolloids, 2021, 118, 106757.	5.6	3
23	The type-1 ribosome-inactivating protein OsRIP1 triggers caspase-independent apoptotic-like death in HeLa cells. Food and Chemical Toxicology, 2021, 157, 112590.	1.8	4
24	Glycosylation reduces the glycan-independent immunomodulatory effect of recombinant Orysata lectin in Drosophila S2 cells. Scientific Reports, 2021, 11, 17958.	1.6	1
25	Review: The multiple roles of plant lectins. Plant Science, 2021, 313, 111096.	1.7	22
26	Purification and characterization of a highly thermostable GlcNAc-binding lectin from Collaea speciosa seeds. International Journal of Biological Macromolecules, 2021, 193, 1562-1571.	3.6	3
27	Letâ€™s talk about sexes: sex-related N-glycosylation in ecologically important invertebrates. Glycoconjugate Journal, 2020, 37, 41-46.	1.4	2
28	Synthesis and biological roles of O-glycans in insects. Glycoconjugate Journal, 2020, 37, 47-56.	1.4	12
29	Protection of rice against Nilaparvata lugens by direct toxicity of sodium selenate. Archives of Insect Biochemistry and Physiology, 2020, 103, e21644.	0.6	3
30	Involvement of OsRIP1, a ribosome-inactivating protein from rice, in plant defense against Nilaparvata lugens. Phytochemistry, 2020, 170, 112190.	1.4	7
31	Are Dietary Lectins Relevant Allergens in Plant Food Allergy?. Foods, 2020, 9, 1724.	1.9	15
32	130 years of Plant Lectin Research. Glycoconjugate Journal, 2020, 37, 533-551.	1.4	103
33	Man-Specific, GalNAc/T/Tn-Specific and Neu5Ac-Specific Seaweed Lectins as Glycan Probes for the SARS-CoV-2 (COVID-19) Coronavirus. Marine Drugs, 2020, 18, 543.	2.2	17
34	Arabidopsis Lectin EULS3 Is Involved in ABA Signaling in Roots. Frontiers in Plant Science, 2020, 11, 437.	1.7	13
35	N-glycosylation Site Analysis Reveals Sex-related Differences in Protein N-glycosylation in the Rice Brown Planthopper (Nilaparvata lugens). Molecular and Cellular Proteomics, 2020, 19, 529-539.	2.5	10
36	OsEUL Lectin Gene Expression in Rice: Stress Regulation, Subcellular Localization and Tissue Specificity. Frontiers in Plant Science, 2020, 11, 185.	1.7	16

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37	The ArathEULS3 Lectin Ends up in Stress Granules and Can Follow an Unconventional Route for Secretion. International Journal of Molecular Sciences, 2020, 21, 1659.	1.8	15
38	Purification of GNA-Related Lectins from Natural Sources. Methods in Molecular Biology, 2020, 2132, 413-419.	0.4	1
39	Mannose-Specific Lectins from Marine Algae: Diverse Structural Scaffolds Associated to Common Virucidal and Anti-Cancer Properties. Marine Drugs, 2019, 17, 440.	2.2	45
40	The N-glycome of the hemipteran pest insect Nilaparvata lugens reveals unexpected sex differences. Insect Biochemistry and Molecular Biology, 2019, 107, 39-45.	1.2	24
41	Lectin Sequence Distribution in QTLs from Rice (Oryza sativa) Suggest A Role in Morphological Traits and Stress Responses. International Journal of Molecular Sciences, 2019, 20, 437.	1.8	9
42	Structure and Activity of a Cytosolic Ribosome-Inactivating Protein from Rice. Toxins, 2019, 11, 325.	1.5	8
43	The OSTâ€complex as target for RNAiâ€based pest control in Nilaparvata lugens. Archives of Insect Biochemistry and Physiology, 2019, 101, e21555.	0.6	7
44	The N-glycan profile of the peritrophic membrane in the Colorado potato beetle larva (Leptinotarsa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	20
45	Messages From the Past: New Insights in Plant Lectin Evolution. Frontiers in Plant Science, 2019, 10, 36.	1.7	35
46	Sodium Selenate Treatment Using a Combination of Seed Priming and Foliar Spray Alleviates Salinity Stress in Rice. Frontiers in Plant Science, 2019, 10, 116.	1.7	87
47	Morniga-G, a T/Tn-Specific Lectin, Induces Leukemic Cell Death via Caspase and DR5 Receptor-Dependent Pathways. International Journal of Molecular Sciences, 2019, 20, 230.	1.8	12
48	Overview of the Structureâ€"Function Relationships of Mannose-Specific Lectins from Plants, Algae and Fungi. International Journal of Molecular Sciences, 2019, 20, 254.	1.8	48
49	Signaling through plant lectins: modulation of plant immunity and beyond. Biochemical Society Transactions, 2018, 46, 217-233.	1.6	69
50	Evolutionarily conserved and species-specific glycoproteins in the N-glycoproteomes of diverse insect species. Insect Biochemistry and Molecular Biology, 2018, 100, 22-29.	1.2	10
51	Diversity and functions of protein glycosylation in insects. Insect Biochemistry and Molecular Biology, 2017, 83, 21-34.	1.2	80
52	Evolution and structural diversification ofNictaba-like lectin genes in food crops with a focus on soybean (Glycine max). Annals of Botany, 2017, 119, mcw259.	1.4	9
53	Evolutionary relationships and expression analysis of EUL domain proteins in rice (Oryza sativa). Rice, 2017, 10, 26.	1.7	31
54	Plant AB Toxins with Lectin Domains. Toxinology, 2017, , 183-198.	0.2	3

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55	Genome-wide screening of Oryza sativa ssp. japonica and indica reveals a complex family of proteins with ribosome-inactivating protein domains. Phytochemistry, 2017, 143, 87-97.	1.4	8
56	Toxicity, membrane binding and uptake of the Sclerotinia sclerotiorum agglutinin (SSA) in different insect cell lines. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 691-698.	0.7	9
57	Expression of ribosome-inactivating proteins from apple in tobacco plants results in enhanced resistance to Spodoptera exigua. Journal of Asia-Pacific Entomology, 2017, 20, 1-5.	0.4	10
58	Genomeâ€Wide Screening for Lectin Motifs in Arabidopsis thaliana. Plant Genome, 2017, 10, plantgenome2017.02.0010.	1.6	49
59	Distribution of Glycan Motifs at the Surface of Midgut Cells in the Cotton Leafworm (Spodoptera) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	16
60	Amaranthin-Like Proteins with Aerolysin Domains in Plants. Frontiers in Plant Science, 2017, 8, 1368.	1.7	40
61	Comparative Study of Lectin Domains in Model Species: New Insights into Evolutionary Dynamics. International Journal of Molecular Sciences, 2017, 18, 1136.	1.8	40
62	Extensive Evolution of Cereal Ribosome-Inactivating Proteins Translates into Unique Structural Features, Activation Mechanisms, and Physiological Roles. Toxins, 2017, 9, 123.	1.5	18
63	Plant Lectins Targeting O-Glycans at the Cell Surface as Tools for Cancer Diagnosis, Prognosis and Therapy. International Journal of Molecular Sciences, 2017, 18, 1232.	1.8	68
64	Nictaba Homologs from Arabidopsis thaliana Are Involved in Plant Stress Responses. Frontiers in Plant Science, 2017, 8, 2218.	1.7	13
65	Insecticidal activity of a protein extracted from bulbs of Phycella australis Ravenna against the aphids Acyrthosiphon pisum Harris and Myzus persicae Sulzer. Chilean Journal of Agricultural Research, 2016, 76, 188-194.	0.4	9
66	Ribosome Inactivating Proteins from Rosaceae. Molecules, 2016, 21, 1105.	1.7	15
67	Glycan-binding F-box protein from Arabidopsis thaliana protects plants from Pseudomonas syringae infection. BMC Plant Biology, 2016, 16, 213.	1.6	44
68	Lectin-Like Molecules of Lactobacillus rhamnosus GG Inhibit Pathogenic Escherichia coli and Salmonella Biofilm Formation. PLoS ONE, 2016, 11, e0161337.	1.1	79
69	Overexpression of Nictaba-Like Lectin Genes from Glycine max Confers Tolerance toward Pseudomonas syringae Infection, Aphid Infestation and Salt Stress in Transgenic Arabidopsis Plants. Frontiers in Plant Science, 2016, 7, 1590.	1.7	27
70	Systematic Exploration of the Glycoproteome of the Beneficial Gut Isolate Lactobacillus rhamnosus GG. Journal of Molecular Microbiology and Biotechnology, 2016, 26, 345-358.	1.0	12
71	Protein N-glycosylation and N-glycan trimming are required for postembryonic development of the pest beetle Tribolium castaneum. Scientific Reports, 2016, 6, 35151.	1.6	39
72	Ribosome-inactivating proteins from apple have strong aphicidal activity in artificial diet and in planta. Crop Protection, 2016, 87, 19-24.	1.0	19

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73	Genome-wide identification and domain organization of lectin domains in cucumber. Plant Physiology and Biochemistry, 2016, 108, 165-176.	2.8	23
74	Minimal processing of iceberg lettuce has no substantial influence on the survival, attachment and internalization of E. coli O157 and Salmonella. International Journal of Food Microbiology, 2016, 238, 40-49.	2.1	12
75	High mannose-specific lectin Msl mediates key interactions of the vaginal Lactobacillus plantarum isolate CMPG5300. Scientific Reports, 2016, 6, 37339.	1.6	29
76	Molecular evolution of candidate male reproductive genes in the brown algal model Ectocarpus. BMC Evolutionary Biology, 2016, 16, 5.	3.2	9
77	Protein-Carbohydrate Interactions as Part of Plant Defense and Animal Immunity. Molecules, 2015, 20, 9029-9053.	1.7	81
78	Protein-Carbohydrate Interactions, and Beyond â€¦. Molecules, 2015, 20, 15202-15205.	1.7	9
79	The Tobacco Lectin, Prototype of the Family of Nictaba-Related Proteins. Current Protein and Peptide Science, 2015, 16, 5-16.	0.7	25
80	The Cytotoxicity of Elderberry Ribosome-Inactivating Proteins Is Not Solely Determined by Their Protein Translation Inhibition Activity. PLoS ONE, 2015, 10, e0132389.	1.1	9
81	Toxic proteins in plants. Phytochemistry, 2015, 117, 51-64.	1.4	103
82	Plant F-box Proteins â€“ Judges between Life and Death. Critical Reviews in Plant Sciences, 2015, 34, 523-552.	2.7	48
83	NICTABA and UDA, two GlcNAc-binding lectins with unique antiviral activity profiles. Journal of Antimicrobial Chemotherapy, 2015, 70, 1674-1685.	1.3	32
84	Review/N-glycans: The making of a varied toolbox. Plant Science, 2015, 239, 67-83.	1.7	67
85	Exposure of Trypanosoma brucei to an N-acetylglucosamine-Binding Lectin Induces VSG Switching and Glycosylation Defects Resulting in Reduced Infectivity. PLoS Neglected Tropical Diseases, 2015, 9, e0003612.	1.3	11
86	Structural basis for carbohydrate binding properties of a plant chitinase-like agglutinin with conserved catalytic machinery. Journal of Structural Biology, 2015, 190, 115-121.	1.3	10
87	Distribution and Evolution of the Lectin Family in Soybean (Glycine max). Molecules, 2015, 20, 2868-2891.	1.7	37
88	The Arabidopsis lectin EULS3 is involved in stomatal closure. Plant Science, 2015, 238, 312-322.	1.7	48
89	Endogenous biotinâ€binding proteins: an overlooked factor causing false positives in streptavidinâ€based protein detection. Microbial Biotechnology, 2015, 8, 164-168.	2.0	33
90	Plant AB Toxins with Lectin Domains. , 2015, , 1-14.		1

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91	Quantitation and localization of pospiviroids in aphids. Journal of Virological Methods, 2015, 211, 51-54.	1.0	17
92	Plant GlycobiologyÃ¢â‚¬â„¢s diverse world of lectins, glycoproteins, glycolipids and glycans. Frontiers in Plant Science, 2014, 5, 604.	1.7	12
93	Lectin domains at the frontiers of plant defense. Frontiers in Plant Science, 2014, 5, 397.	1.7	213
94	Characterization of a type D1A EUL-related lectin from rice expressed in Pichia pastoris. Biological Chemistry, 2014, 395, 413-424.	1.2	8
95	Transcriptional behavior of EUL-related rice lectins toward important abiotic and biotic stresses. Journal of Plant Physiology, 2014, 171, 986-992.	1.6	16
96	Novel natural and biomimetic ligands to enhance selectivity of membrane processes for soluteâ€“solute separations: beyond nature's logistic legacy. Journal of Chemical Technology and Biotechnology, 2014, 89, 354-371.	1.6	4
97	Cell cycle-dependent O-GlcNAc modification of tobacco histones and their interaction with the tobacco lectin. Plant Physiology and Biochemistry, 2014, 83, 151-158.	2.8	22
98	Transcriptional profiling of the lectin ArathEULS3 from Arabidopsis thaliana toward abiotic stresses. Journal of Plant Physiology, 2014, 171, 1763-1773.	1.6	11
99	Penetration through the peritrophic matrix is a key to lectin toxicity against Tribolium castaneum. Journal of Insect Physiology, 2014, 70, 94-101.	0.9	43
100	In vivo interaction between the tobacco lectin and the core histone proteins. Journal of Plant Physiology, 2014, 171, 1149-1156.	1.6	22
101	Comparative analysis of carbohydrate binding properties of Sambucus nigra lectins and ribosome-inactivating proteins. Glycoconjugate Journal, 2014, 31, 345-354.	1.4	18
102	Orysata, a jacalin-related lectin from rice, could protect plants against biting-chewing and piercing-sucking insects. Plant Science, 2014, 221-222, 21-28.	1.7	57
103	Title is missing!. Kagaku To Seibutsu, 2014, 52, 643-645.	0.0	0
104	History of Plant Lectin Research. Methods in Molecular Biology, 2014, 1200, 3-13.	0.4	43
105	Hevea brasiliensis and Urtica dioica impact the in vitro mycorrhization of neighbouring Medicago truncatula seedlings. Symbiosis, 2013, 60, 123-132.	1.2	8
106	Promoter Analysis for Three Types of EUL-Related Rice Lectins in Transgenic Arabidopsis. Plant Molecular Biology Reporter, 2013, 31, 1315-1324.	1.0	5
107	High entomotoxicity and mechanism of the fungal GalNAc/Gal-specific Rhizoctonia solani lectin in pest insects. Journal of Insect Physiology, 2013, 59, 295-305.	0.9	34
108	Uncovering the genetic basis for early isogamete differentiation: a case study of Ectocarpus siliculosus. BMC Genomics, 2013, 14, 909.	1.2	27

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109	Structural analysis of the <scp>R</scp>hizoctoniaÂsolani agglutinin reveals a domainâ€swapping dimeric assembly. FEBS Journal, 2013, 280, 1750-1763.	2.2	19
110	HIVâ€1 envelope trimer has similar binding characteristics for carbohydrateâ€binding agents as monomeric gp120. FEBS Letters, 2013, 587, 860-866.	1.3	18
111	Expression Analysis of Jasmonate-Responsive Lectins in Plants. Methods in Molecular Biology, 2013, 1011, 251-263.	0.4	1
112	Carbohydrateâ€binding agents act as potent trypanocidals that elicit modifications in <scp>VSG</scp> glycosylation and reduced virulence in <scp>T</scp>rypanosoma brucei. Molecular Microbiology, 2013, 90, 665-679.	1.2	12
113	Qualitative and quantitative analysis of the Nictaba promoter activity during development in Nicotiana tabacum. Plant Physiology and Biochemistry, 2013, 67, 162-168.	2.8	4
114	Inhibition of infection and transmission of HIV-1 and lack of significant impact on the vaginal commensal lactobacilli by carbohydrate-binding agents. Journal of Antimicrobial Chemotherapy, 2013, 68, 2026-2037.	1.3	14
115	Promiscuity of the Euonymus Carbohydrate-Binding Domain. Biomolecules, 2012, 2, 415-434.	1.8	36
116	Biologically active, magnICONÂ®-expressed EPO-Fc from stably transformed Nicotiana benthamiana plants presenting tetra-antennary N-glycan structures. Journal of Biotechnology, 2012, 160, 242-250.	1.9	24
117	Expression analysis of a type S2 EUL-related lectin from rice in Pichia pastoris. Glycoconjugate Journal, 2012, 29, 467-479.	1.4	12
118	Arabidopsis Fâ€box protein containing a Nictabaâ€related lectin domain interacts with Nâ€acetyllactosamine structures. FEBS Open Bio, 2012, 2, 151-158.	1.0	29
119	Introduction of tri-antennary N-glycans in Arabidopsis thaliana plants. Plant Science, 2012, 185-186, 161-168.	1.7	8
120	Mechanism of entomotoxicity of the plant lectin from Hippeastrum hybrid (Amaryllis) in Spodoptera littoralis larvae. Journal of Insect Physiology, 2012, 58, 1177-1183.	0.9	20
121	Production of Plant Made Pharmaceuticals: From Plant Host to Functional Protein. Critical Reviews in Plant Sciences, 2012, 31, 148-180.	2.7	25
122	GalNAc/Gal-Binding Rhizoctonia solani Agglutinin Has Antiproliferative Activity in Drosophila melanogaster S2 Cells via MAPK and JAK/STAT Signaling. PLoS ONE, 2012, 7, e33680.	1.1	22
123	The major secreted protein Msp1/p75 is O-glycosylated in Lactobacillus rhamnosus GG. Microbial Cell Factories, 2012, 11, 15.	1.9	72
124	Novel cellulose and polyamide halochromic textile sensors based on the encapsulation of Methyl Red into a solâ€“gel matrix. Sensors and Actuators B: Chemical, 2012, 162, 27-34.	4.0	81
125	Interaction of the Tobacco Lectin with Histone Proteins Â Â Â. Plant Physiology, 2011, 155, 1091-1102.	2.3	47
126	Comparative Study of the Phototoxicity of Long-Wavelength Photosensitizers Targeted by the MornigaG Lectin. Bioconjugate Chemistry, 2011, 22, 1337-1344.	1.8	7

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127	Lectin activity of the nucleocytoplasmic EUL protein from Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2011, 414, 101-105.	1.0	29
128	Expression analysis of the nucleocytoplasmic lectin â€˜Orysataâ€™ from rice in Pichiaâ€ƒpastoris. FEBS Journal, 2011, 278, 2064-2079.	2.2	25
129	Morniga G: A Plant Lectin as an Endocytic Ligand for Photosensitizer Molecule Targeting Toward Tumorâ€Associated T/Tn Antigens. Photochemistry and Photobiology, 2011, 87, 370-377.	1.3	18
130	Plant lectins as defense proteins against phytophagous insects. Phytochemistry, 2011, 72, 1538-1550.	1.4	311
131	Synergistic in vitro anti-HIV type 1 activity of tenofovir with carbohydrate-binding agents (CBAs). Antiviral Research, 2011, 90, 200-204.	1.9	17
132	Identical homologs of the Galanthus nivalis agglutinin in Zea mays and Fusarium verticillioides. Plant Physiology and Biochemistry, 2011, 49, 46-54.	2.8	9
133	Differences in the mannose oligomer specificities of the closely related lectins from Galanthus nivalis and Zea maysstrongly determine their eventual anti-HIV activity. Retrovirology, 2011, 8, 10.	0.9	24
134	Intermolecular interaction studies using small volumes. Magnetic Resonance in Chemistry, 2011, 49, 9-15.	1.1	2
135	Improved sample preparation for CEâ€LIF analysis of plant Nâ€glycans. Electrophoresis, 2011, 32, 3482-3490.	1.3	6
136	Internalization of Sambucus nigra agglutinins I and II in insect midgut CFâ€203 cells. Archives of Insect Biochemistry and Physiology, 2011, 76, 211-222.	0.6	20
137	Jasmonate response of the Nicotiana tabacum agglutinin promoter in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2011, 49, 843-851.	2.8	10
138	Production of Complex Multiantennary N-Glycans in Nicotiana benthamiana Plants Â Â. Plant Physiology, 2011, 155, 1103-1112.	2.3	49
139	Glycan Arrays to Decipher the Specificity of Plant Lectins. Advances in Experimental Medicine and Biology, 2011, 705, 757-767.	0.8	16
140	Glycotope Structures and Intramolecular Affinity Factors of Plant Lectins for Tn/T Antigens. Advances in Experimental Medicine and Biology, 2011, 705, 143-154.	0.8	7
141	Lectins as Tools to Select for Glycosylated Proteins. Methods in Molecular Biology, 2011, 753, 289-297.	0.4	16
142	10.1023/A:1003801120192. , 2011, , .		11
143	Diversity in Protein Glycosylation among Insect Species. PLoS ONE, 2011, 6, e16682.	1.1	62
144	Targeting of T/Tn Antigens with a Plant Lectin to Kill Human Leukemia Cells by Photochemotherapy. PLoS ONE, 2011, 6, e23315.	1.1	17

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145	Mutational analysis of the carbohydrate binding activity of the tobacco lectin. Glycoconjugate Journal, 2010, 27, 613-623.	1.4	24
146	Exposure of insect midgut cells to Sambucus nigra L. agglutinins I and II causes cell death via caspase-dependent apoptosis. Journal of Insect Physiology, 2010, 56, 1101-1107.	0.9	37
147	Plantâ€insect interactions: what can we learn from plant lectins?. Archives of Insect Biochemistry and Physiology, 2010, 73, 193-212.	0.6	109
148	Entomotoxic action of Sambucus nigra agglutinin i in Acyrthosiphon pisum aphids and Spodoptera exigua caterpillars through caspaseâ€3â€likeâ€dependent apoptosis. Archives of Insect Biochemistry and Physiology, 2010, 75, 207-220.	0.6	30
149	Nicotiana tabacum agglutinin is active against Lepidopteran pest insects. Journal of Experimental Botany, 2010, 61, 1003-1014.	2.4	38
150	Glycosylation Signatures in Drosophila: Fishing with Lectins. Journal of Proteome Research, 2010, 9, 3235-3242.	1.8	33
151	Entomotoxic effects of fungal lectin from Rhizoctonia solani towards Spodoptera littoralis. Fungal Biology, 2010, 114, 34-40.	1.1	39
152	Insecticidal properties of Sclerotinia sclerotiorum agglutinin and its interaction with insect tissues and cells. Insect Biochemistry and Molecular Biology, 2010, 40, 883-890.	1.2	45
153	Crystal Structure of the GalNAc/Gal-Specific Agglutinin from the Phytopathogenic Ascomycete Sclerotinia sclerotiorum Reveals Novel Adaptation of a Î²-Trefoil Domain. Journal of Molecular Biology, 2010, 400, 715-723.	2.0	33
154	Nucleocytoplasmic plant lectins. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 190-201.	1.1	97
155	Evolution of Plant Ribosome-Inactivating Proteins. Plant Cell Monographs, 2010, , 1-26.	0.4	16
156	Acute and chronic insecticidal activity of a new mannose-binding lectin from Allium porrum against Acyrthosiphon pisum via an artificial diet. Canadian Entomologist, 2009, 141, 95-101.	0.4	16
157	Spodoptera littoralis-Induced Lectin Expression in Tobacco. Plant and Cell Physiology, 2009, 50, 1142-1155.	1.5	47
158	Two structurally identical mannose-specific jacalin-related lectins display different effects on human T lymphocyte activation and cell death. Journal of Leukocyte Biology, 2009, 86, 103-114.	1.5	22
159	Nebrodeolysin, a novel hemolytic protein from mushroom Pleurotus nebrodensis with apoptosis-inducing and anti-HIV-1 effects. Phytomedicine, 2009, 16, 198-205.	2.3	55
160	Bioinformatics analyses of the mannose-binding lectins from Polygonatum cyrtonema, Ophiopogon japonicus and Liparis noversa with antiproliferative and apoptosis-inducing activities. Phytomedicine, 2009, 16, 601-608.	2.3	42
161	Proteins with an Euonymus lectin-like domain are ubiquitous in Embryophyta. BMC Plant Biology, 2009, 9, 136.	1.6	49
162	Expression of Sambucus nigra agglutinin (SNA-Iâ€²) from elderberry bark in transgenic tobacco plants results in enhanced resistance to different insect species. Transgenic Research, 2009, 18, 249-259.	1.3	65

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163	Structural basis for sugar recognition, including the Tn carcinoma antigen, by the lectin SNAâ€Ⅰ from Sambucus nigra. Proteins: Structure, Function and Bioinformatics, 2009, 75, 89-103.	1.5	33
164	Related lectins from snowdrop and maize differ in their carbohydrate-binding specificity. Biochemical and Biophysical Research Communications, 2009, 380, 260-265.	1.0	52
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