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	Lectins as Plant Defense Proteins. Plant Physiology, 1995, 109, 347-352.	2.3	1,011
2	Plant Lectins: A Composite of Several Distinct Families of Structurally and Evolutionary Related Proteins with Diverse Biological Roles. Critical Reviews in Plant Sciences, 1998, 17, 575-692.	2.7	414
3	Binding properties of a mannose-specific lectin from the snowdrop (Galanthus nivalis) bulb.. Journal of Biological Chemistry, 1988, 263, 728-734.	1.6	314
4	Plant lectins as defense proteins against phytophagous insects. Phytochemistry, 2011, 72, 1538-1550.	1.4	311
5	Plant Lectins: A Composite of Several Distinct Families of Structurally and Evolutionary Related Proteins with Diverse Biological Roles. Critical Reviews in Plant Sciences, 1998, 17, 575-692.	2.7	310
6	Binding properties of a mannose-specific lectin from the snowdrop (Galanthus nivalis) bulb. Journal of Biological Chemistry, 1988, 263, 728-34.	1.6	260
7	Expression of snowdrop lectin in transgenic tobacco plants results in added protection against aphids. Transgenic Research, 1995, 4, 18-25.	1.3	256
8	Ribosomeâ€inactivating proteins from plants: more than RNA Nâ€glycosidases?. FASEB Journal, 2001, 15, 1493-1506.	0.2	251
9	Isolation and characterization of a lectin with exclusive specificity towards mannose from snowdrop (Galanthus nivalis) bulbs. FEBS Letters, 1987, 215, 140-144.	1.3	248
10	Plant lectins are potent inhibitors of coronaviruses by interfering with two targets in the viral replication cycle. Antiviral Research, 2007, 75, 179-187.	1.9	242
11	The mannose-specific plant lectins from Cymbidium hybrid and Epipactis helleborine and the (N-acetylglucosamine)n-specific plant lectin from Urtica dioica are potent and selective inhibitors of human immunodeficiency virus and cytomegalovirus replication in vitro. Antiviral Research, 1992, 18, 191-207.	1.9	230
12	Plant Lectins. Advances in Botanical Research, 2008, , 107-209.	0.5	218
13	Lectin domains at the frontiers of plant defense. Frontiers in Plant Science, 2014, 5, 397.	1.7	213
14	Relationship between Survival and Binding of Plant Lectins during Small Intestinal Passage and Their Effectiveness as Growth Factors. Digestion, 1990, 46, 308-316.	1.2	199
15	Isolation and characterization of a jacalin-related mannose-binding lectin from salt-stressed rice () Tj ETQq1 1 0.784314 rgBT /Overloc	1.6	152
16	Mannose-binding plant lectins: Different structural scaffolds for a common sugar-recognition process. Biochimie, 2001, 83, 645-651.	1.3	149
17	Mannose-Specific Plant Lectins from the Amaryllidaceae Family Qualify as Efficient Microbicides for Prevention of Human Immunodeficiency Virus Infection. Antimicrobial Agents and Chemotherapy, 2004, 48, 3858-3870.	1.4	147
18	Cytoplasmic/nuclear plant lectins: a new story. Trends in Plant Science, 2004, 9, 484-489.	4.3	142

#	Article	IF	Citations
19	Structural basis for the unusual carbohydrate-binding specificity of jacalin towards galactose and mannose. Biochemical Journal, 2002, 364, 173-180.	1.7	138
20	Related mannoseâ€specific lectins from different species of the family Amaryllidaceae. Physiologia Plantarum, 1988, 73, 52-57.	2.6	126
21	Antinutritive effects of wheat-germ agglutinin and other N-acetylglucosamine-specific lectins. British Journal of Nutrition, 1993, 70, 313-321.	1.2	125
22	Effects of GNA and other mannose binding lectins on development and fecundity of the peachâ€potato aphid Myzus persicae. Entomologia Experimentalis Et Applicata, 1996, 79, 285-293.	0.7	124
23	Carbohydrate-binding specificity of the daffodil (Narcissus pseudonarcissus) and amaryllis (Hippeastrum hybr.) bulb lectins. Archives of Biochemistry and Biophysics, 1990, 279, 298-304.	1.4	123
24	The role of lectins in plant defence. The Histochemical Journal, 1995, 27, 253-271.	0.6	121
25	Jasmonate methyl ester induces the synthesis of a cytoplasmic/nuclear chitooligosaccharideâ€binding lectin in tobacco leaves. FASEB Journal, 2002, 16, 905-907.	0.2	113
26	Biosynthesis, primary structure and molecular cloning of snowdrop (Galanthus nivalis L.) lectin. FEBS Journal, 1991, 202, 23-30.	0.2	111
27	Structure-Function Relationship of Monocot Mannose-Binding Lectins. Plant Physiology, 1996, 112, 1531-1540.	2.3	109
28	Plantâ€insect interactions: what can we learn from plant lectins?. Archives of Insect Biochemistry and Physiology, 2010, 73, 193-212.	0.6	109
29	Carbohydrate-binding Agents Cause Deletions of Highly Conserved Glycosylation Sites in HIV GP120. Journal of Biological Chemistry, 2005, 280, 41005-41014.	1.6	108
30	Helianthus tuberosus lectin reveals a widespread scaffold for mannose-binding lectins. Structure, 1999, 7, 1473-1482.	1.6	107
31	The Major Tuber Storage Protein of Araceae Species Is a Lectin (Characterization and Molecular) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	106
32	Use of the rice sucrose synthase-1 promoter to direct phloem-specific expression of Î²-glucuronidase and snowdrop lectin genes in transgenic tobacco plants. Journal of Experimental Botany, 1994, 45, 623-631.	2.4	105
33	Ribosome-Inactivating Proteins: A Family of Plant Proteins That Do More Than Inactivate Ribosomes. Critical Reviews in Plant Sciences, 2001, 20, 395-465.	2.7	104
34	Fruit-specific lectins from banana and plantain. Planta, 2000, 211, 546-554.	1.6	103
35	Toxic proteins in plants. Phytochemistry, 2015, 117, 51-64.	1.4	103
36	130 years of Plant Lectin Research. Glycoconjugate Journal, 2020, 37, 533-551.	1.4	103

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37	The closely related homomeric and heterodimeric mannose-binding lectins from garlic are encoded by one-domain and two-domain lectin genes, respectively. FEBS Journal, 1992, 206, 413-420.	0.2	99
38	Nucleocytoplasmic plant lectins. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 190-201.	1.1	97
39	A molecular basis for the endo-Î²1,3-glucanase activity of the thaumatin-like proteins from edible fruits. Biochimie, 2003, 85, 123-131.	1.3	95
40	Profile of Resistance of Human Immunodeficiency Virus to Mannose-Specific Plant Lectins. Journal of Virology, 2004, 78, 10617-10627.	1.5	94
41	Mutational Pathways, Resistance Profile, and Side Effects of Cyanovirin Relative to Human Immunodeficiency Virus Type 1 Strains with N-Glycan Deletions in Their gp120 Envelopes. Journal of Virology, 2006, 80, 8411-8421.	1.5	93
42	Kidney bean lectinâ€induced Escherichia coli overgrowth in the small intestine is blocked by GNA, a mannoseâ€specific lectin. Journal of Applied Bacteriology, 1993, 75, 360-368.	1.1	92
43	A comparative study of mannose-binding lectins from the amaryllidaceae and alliaceae. Phytochemistry, 1991, 30, 509-514.	1.4	91
44	The NeuAc(alpha-2,6)-Gal/GalNAc-Binding Lectin from Elderberry (Sambucus Nigra) Bark, a type-2 Ribosome-Inactivating Protein with an Unusual Specificity and Structure. FEBS Journal, 1996, 235, 128-137.	0.2	88
45	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
46	Evaluation of the Susceptibility of the Pea Aphid,Acyrthosiphon pisum, to a Selection of Novel Biorational Insecticides using an Artificial Diet. Journal of Insect Science, 2009, 9, 1-8.	0.6	81
47	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
48	Protein-Carbohydrate Interactions as Part of Plant Defense and Animal Immunity. Molecules, 2015, 20, 9029-9053.	1.7	81
49	Diversity and functions of protein glycosylation in insects. Insect Biochemistry and Molecular Biology, 2017, 83, 21-34.	1.2	80
50	Lectin binding reveals divergent carbohydrate expression in human and mouse Peyer's patches. Histochemistry and Cell Biology, 1996, 105, 459-465.	0.8	79
51	Lectin-Like Molecules of Lactobacillus rhamnosus GG Inhibit Pathogenic Escherichia coli and Salmonella Biofilm Formation. PLoS ONE, 2016, 11, e0161337.	1.1	79
52	Resolution of the structure of the allergenic and antifungal banana fruit thaumatin-like protein at 1.7-Ã…. Biochimie, 2006, 88, 45-52.	1.3	77
53	Phylogenetic and specificity studies of two-domain GNA-related lectins: generation of multispecificity through domain duplication and divergent evolution. Biochemical Journal, 2007, 404, 51-61.	1.7	77
54	Non-lethal heat shock protects gnotobiotic Artemia franciscana larvae against virulent Vibrios. Fish and Shellfish Immunology, 2007, 22, 318-326.	1.6	75

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55	Lectin and alliinase are the predominant proteins in nectar from leek (Allium porrum L.) flowers. Planta, 1997, 201, 298-302.	1.6	72
56	The Abundant Class III Chitinase Homolog in Young Developing Banana Fruits Behaves as a Transient Vegetative Storage Protein and Most Probably Serves as an Important Supply of Amino Acids for the Synthesis of Ripening-Associated Proteins. Plant Physiology, 2002, 130, 1063-1072.	2.3	72
57	The major secreted protein Msp1/p75 is O-glycosylated in Lactobacillus rhamnosus GG. Microbial Cell Factories, 2012, 11, 15.	1.9	72
58	Two Distinct Jacalin-Related Lectins with a Different Specificity and Subcellular Location Are Major Vegetative Storage Proteins in the Bark of the Black Mulberry Tree. Plant Physiology, 2002, 130, 757-769.	2.3	71
59	The identification of inducible cytoplasmic/nuclear carbohydrate-binding proteins urges to develop novel concepts about the role of plant lectins. Glycoconjugate Journal, 2003, 20, 449-460.	1.4	71
60	The galactose-binding and mannose-binding jacalin-related lectins are located in different sub-cellular compartments. FEBS Letters, 2000, 477, 186-192.	1.3	70
61	Entry of hepatitis C virus and human immunodeficiency virus is selectively inhibited by carbohydrate-binding agents but not by polyanions. Virology, 2007, 366, 40-50.	1.1	70
62	Classification of Plant Lectins in Families Of Structurally and Evolutionary Related Proteins. Advances in Experimental Medicine and Biology, 2001, 491, 27-54.	0.8	69
63	Enzymatic activity of toxic and non-toxic type 2 ribosome-inactivating proteins. FEBS Letters, 2004, 563, 219-222.	1.3	69
64	Ectopically expressed leaf and bulb lectins from garlic (Allium sativum L.) protect transgenic tobacco plants against cotton leafworm (Spodoptera littoralis). Transgenic Research, 2008, 17, 9-18.	1.3	69
65	Signaling through plant lectins: modulation of plant immunity and beyond. Biochemical Society Transactions, 2018, 46, 217-233.	1.6	69
66	Carbohydrate-binding activity of the type-2 ribosome-inactivating protein SNA-I from elderberry (Sambucus nigra) is a determining factor for its insecticidal activity. Phytochemistry, 2008, 69, 2972-2978.	1.4	68
67	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
68	Lectins and also bacteria modify the glycosylation of gut surface receptors in the rat. Glycoconjugate Journal, 1995, 12, 22-35.	1.4	67
69	Mapping of IgE-binding epitopes on the major latex allergen Hev b 2 and the cross-reacting 1,3β2-glucanase fruit allergens as a molecular basis for the latex-fruit syndrome. Molecular Immunology, 2009, 46, 1595-1604.	1.0	67
70	Review/N-glycans: The making of a varied toolbox. Plant Science, 2015, 239, 67-83.	1.7	67
71	Isolation, characterization and molecular cloning of the mannose-binding lectins from leaves and roots of garlic (Allium sativum L.). Plant Molecular Biology, 1997, 33, 223-234.	2.0	66
72	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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73	Isolation and characterization of alliinase cDNA clones from garlic (Allium sativum L.) and related species. FEBS Journal, 1992, 209, 751-757.	0.2	62
74	Characterization and molecular cloning of mannose-binding lectins from the Orchidaceae species Listera ovata, Epipactis helleborine and Cymbidium hybrid. FEBS Journal, 1994, 221, 769-777.	0.2	62
75	Marked Depletion of Glycosylation Sites in HIV-1 gp120 under Selection Pressure by the Mannose-Specific Plant Lectins ofHippeastrumHybrid andGalanthus nivalis. Molecular Pharmacology, 2005, 67, 1556-1565.	1.0	62
76	Diversity in Protein Glycosylation among Insect Species. PLoS ONE, 2011, 6, e16682.	1.1	62
77	Molecular cloning of the mitogenic mannose/maltose-specific rhizome lectin fromCalystegia sepium. FEBS Letters, 1996, 397, 352-356.	1.3	59
78	Characterization and molecular cloning of the lectin from Ã¯Â¿Â½Helianthus tuberosus. FEBS Journal, 1999, 259, 135-142.	0.2	59
79	New mannose-specific lectins from garlic (Allium sativum) and ramsons (Allium ursinum) bulbs. Carbohydrate Research, 1992, 229, 347-353.	1.1	58
80	Gastrodianin-like mannose-binding proteins: a novel class of plant proteins with antifungal properties. Plant Journal, 2001, 25, 651-661.	2.8	58
81	Five disulfide bridges stabilize a hevein-type antimicrobial peptide from the bark of spindle tree (Euonymus europaeusL.). FEBS Letters, 2002, 530, 181-185.	1.3	57
82	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
83	Enhanced resistance to early blight in transgenic tomato lines expressing heterologous plant defense genes. Planta, 2005, 222, 858-866.	1.6	56
84	The Bark of Robinia pseudoacacia Contains a Complex Mixture of Lectins (Characterization of the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	55
85	Plant Lectins: Versatile Proteins with Important Perspectives in Biotechnology. Biotechnology and Genetic Engineering Reviews, 1998, 15, 199-228.	2.4	55
86	Localization and in vitro binding studies suggest that the cytoplasmic/nuclear tobacco lectin can interact in situ with high-mannose and complexN-glycans. FEBS Letters, 2006, 580, 6329-6337.	1.3	55
87	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
88	The Crystal Structure of the Calystegia sepium Agglutinin Reveals a Novel Quaternary Arrangement of Lectin Subunits with a Î²-Prism Fold. Journal of Biological Chemistry, 2004, 279, 527-533.	1.6	54
89	Cloning and characterization of the lectin cDNA clones from onion, shallot and leek. Plant Molecular Biology, 1993, 23, 365-376.	2.0	53
90	Isolation and Molecular Cloning of a Novel Type 2 Ribosome-inactivating Protein with an Inactive B Chain from Elderberry (Sambucus nigra) Bark. Journal of Biological Chemistry, 1997, 272, 8353-8360.	1.6	53

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91	Crystal structure of Urtica dioica agglutinin, a superantigen presented by MHC molecules of class I and class II. Structure, 2000, 8, 593-603.	1.6	53
92	Potato lectin: an updated model of a unique chimeric plant protein. Plant Journal, 2004, 37, 34-45.	2.8	53
93	Higher Plants Developed Structurally Different Motifs to Recognize Foreign Glycans.. Trends in Glycoscience and Glycotechnology, 2000, 12, 83-101.	0.0	53
94	Carbohydrate binding properties of banana (Musa acuminata) lectin. FEBS Journal, 2001, 268, 2609-2615.	0.2	52
95	Antiviral activity of carbohydrate-binding agents against Nidovirales in cell culture. Antiviral Research, 2007, 76, 21-29.	1.9	52
96	Related lectins from snowdrop and maize differ in their carbohydrate-binding specificity. Biochemical and Biophysical Research Communications, 2009, 380, 260-265.	1.0	52
97	A Novel Mannose-binding Tuber Lectin from Typhonium divaricatum (L.) Decne (family Araceae) with Antiviral Activity Against HSV-II and Anti-proliferative Effect on Human Cancer Cell Lines. BMB Reports, 2007, 40, 358-367.	1.1	52
98	Isolation of a novel plant lectin with an unusual specificity from Calystegia sepium. Glycoconjugate Journal, 1997, 14, 259-265.	1.4	51
99	Evaluation of the ability of lectin from snowdrop (Galanthus nivalis) to protect plants against root-knot nematodes. Plant Science, 2003, 164, 517-523.	1.7	51
100	Inhibition of starch digestion by alpha-amylase inhibitor reduces the efficiency of utilization of dietary proteins and lipids and retards the growth of rats. Journal of Nutrition, 1995, 125, 1554-62.	1.3	51
101	Purification and structural analysis of an abundant thaumatin-like protein from ripe banana fruit. Planta, 2000, 211, 791-799.	1.6	50
102	Anti-HIV I/II Activity and Molecular Cloning of a Novel Mannose/Sialic Acid-binding Lectin from Rhizome of Polygonatum cyrtonema Hua. Acta Biochimica Et Biophysica Sinica, 2006, 38, 70-78.	0.9	50
103	The Jasmonate-Induced Expression of the Nicotiana tabacum Leaf Lectin. Plant and Cell Physiology, 2007, 48, 1207-1218.	1.5	50
104	Plant lectins: specific tools for the identification, isolation, and characterization of O-linked glycans. Critical Reviews in Biochemistry and Molecular Biology, 1998, 33, 209-58.	2.3	50
105	Characterization and Molecular Cloning of Sambucus nigra Agglutinin V (Nigrin b), A Galnac-specific Type-2 Ribosome-Inactivating Protein from the Bark of Elderberry (Sambucus nigra). FEBS Journal, 1996, 237, 505-513.	0.2	49
106	A Novel Family of Lectins Evolutionarily Related to Class V Chitinases: An Example of Neofunctionalization in Legumes. Plant Physiology, 2007, 144, 662-672.	2.3	49
107	Proteins with an Euonymus lectin-like domain are ubiquitous in Embryophyta. BMC Plant Biology, 2009, 9, 136.	1.6	49
108	Production of Complex Multiantennary N-Glycans in Nicotiana benthamiana Plants Â Â. Plant Physiology, 2011, 155, 1103-1112.	2.3	49

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109	Genomeâ€Wide Screening for Lectin Motifs in Arabidopsis thaliana. Plant Genome, 2017, 10, plantgenome2017.02.0010.	1.6	49
110	The major elderberry (Sambucus nigra) fruit protein is a lectin derived from a truncated type 2 ribosome-inactivating protein. Plant Journal, 1997, 12, 1251-1260.	2.8	48
111	The Dead-End Elimination Method, Tryptophan Rotamers, and Fluorescence Lifetimes. Biophysical Journal, 2003, 85, 1894-1902.	0.2	48
112	Plant F-box Proteins â€“ Judges between Life and Death. Critical Reviews in Plant Sciences, 2015, 34, 523-552.	2.7	48
113	The Arabidopsis lectin EULS3 is involved in stomatal closure. Plant Science, 2015, 238, 312-322.	1.7	48
114	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
115	Molecular cloning and characterization of multiple isoforms of the snowdrop (Galanthus nivalis L.) lectin. Planta, 1991, 186, 35-43.	1.6	47
116	Lectins of members of the Amaryllidaceae are encoded by multigene families which show extensive homology. Physiologia Plantarum, 1992, 86, 245-252.	2.6	47
117	A Gene Encoding a Hevein-Like Protein from Elderberry Fruits Is Homologous to PR-4 and Class V Chitinase Genes1. Plant Physiology, 1999, 119, 1547-1556.	2.3	47
118	Analysis of the in planta antiviral activity of elderberry ribosome-inactivating proteins. FEBS Journal, 2004, 271, 1508-1515.	0.2	47
119	Spodoptera littoralis-Induced Lectin Expression in Tobacco. Plant and Cell Physiology, 2009, 50, 1142-1155.	1.5	47
120	Interaction of the Tobacco Lectin with Histone Proteins Â Â Â. Plant Physiology, 2011, 155, 1091-1102.	2.3	47
121	Leaves of the Orchid Twayblade (Listera ovata) Contain a Mannose-Specific Lectin. Plant Physiology, 1987, 85, 566-569.	2.3	45
122	Molecular Cloning of Two Different Mannose-Binding Lectins from Tulip Bulbs. FEBS Journal, 1996, 236, 419-427.	0.2	45
123	Purification, characterization and structural analysis of an abundant Î²-1,3-glucanase from banana fruit. FEBS Journal, 2000, 267, 1188-1195.	0.2	45
124	Synergistic antifungal activity of two chitin-binding proteins from spindle tree (Euonymus europaeus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	45
125	Expression of garlic leaf lectin under the control of the phloemâ€specific promoter Asus1 from Arabidopsis thaliana protects tobacco plants against the tobacco aphid (Myzus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.7	45
126	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

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127	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
128	Glycan-binding F-box protein from Arabidopsis thaliana protects plants from Pseudomonas syringae infection. BMC Plant Biology, 2016, 16, 213.	1.6	44
129	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
130	History of Plant Lectin Research. Methods in Molecular Biology, 2014, 1200, 3-13.	0.4	43
131	Deterrent activity of plant lectins on cowpea weevil Callosobruchus maculatus (F.) oviposition. Phytochemistry, 2006, 67, 2078-2084.	1.4	42
132	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
133	The mannose-specific lectins from ramsons (Allium ursinum L.) are encoded by three sets of genes. FEBS Journal, 1993, 217, 123-129.	0.2	41
134	Iris Bulbs Express Type 1 and Type 2 Ribosome-Inactivating Proteins with Unusual Properties. Plant Physiology, 2001, 125, 866-876.	2.3	41
135	The size, shape and specificity of the sugar-binding site of the jacalin-related lectins is profoundly affected by the proteolytic cleavage of the subunits. Biochemical Journal, 2002, 367, 817-824.	1.7	41
136	Analysis of the sugarâ€binding specificity of mannoseâ€bindingâ€type Jacalinâ€related lectins by frontal affinity chromatography â€“ an approach to functional classification. FEBS Journal, 2008, 275, 1227-1239.	2.2	41
137	TheSambucus nigratype-2 ribosome-inactivating protein SNA-Iâ€² exhibits in planta antiviral activity in transgenic tobacco. FEBS Letters, 2002, 516, 27-30.	1.3	40
138	The Tn Antigen-Specific Lectin from Ground Ivy Is an Insecticidal Protein with an Unusual Physiology. Plant Physiology, 2003, 132, 1322-1334.	2.3	40
139	Crystal structure at 1.45-Ã… resolution of the major allergen endo-Î²-1,3-glucanase of banana as a molecular basis for the latex-fruit syndrome. Proteins: Structure, Function and Bioinformatics, 2006, 63, 235-242.	1.5	40
140	Amaranthin-Like Proteins with Aerolysin Domains in Plants. Frontiers in Plant Science, 2017, 8, 1368.	1.7	40
141	Comparative Study of Lectin Domains in Model Species: New Insights into Evolutionary Dynamics. International Journal of Molecular Sciences, 2017, 18, 1136.	1.8	40
142	Entomotoxic effects of fungal lectin from Rhizoctonia solani towards Spodoptera littoralis. Fungal Biology, 2010, 114, 34-40.	1.1	39
143	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
144	Cloning and heterologous expression of early genes in gibberellin and steviol biosynthesis via the methylerythritol phosphate pathway in Stevia rebaudiana. Canadian Journal of Botany, 2003, 81, 517-522.	1.2	38

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145	Nicotiana tabacum agglutinin is active against Lepidopteran pest insects. Journal of Experimental Botany, 2010, 61, 1003-1014.	2.4	38
146	The Urtica dioica Agglutinin Is a Complex Mixture of Isolectins. Plant Physiology, 1988, 86, 598-601.	2.3	37
147	The monomeric and dimeric mannose-binding proteins from the Orchidaceae speciesListera ovata andEpipactis helleborine: sequence homologies and differences in biological activities. Glycoconjugate Journal, 1994, 11, 321-332.	1.4	37
148	Isolation, characterization, molecular cloning and molecular modelling of two lectins of different specificities from bluebell (Scilla campanulata) bulbs. Biochemical Journal, 1999, 340, 299-308.	1.7	37
149	Cloning and characterization of a monocot mannose-binding lectin from Crocusâ€ƒvernus (family) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	37
150	Carbohydrate binding properties of banana (Musa acuminata) lectin. FEBS Journal, 2001, 268, 2616-2619.	0.2	37
151	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
152	Distribution and Evolution of the Lectin Family in Soybean (Glycine max). Molecules, 2015, 20, 2868-2891.	1.7	37
153	Effect of the insecticidal Galanthus nivalis agglutinin on metabolism and the activities of brush border enzymes in the rat small intestine. Journal of Nutritional Biochemistry, 1996, 7, 677-682.	1.9	36
154	Type 1 ribosome-inactivating proteins are the most abundant proteins in iris (Iris hollandica var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 963-970.	1.7	36
155	Ribosome-inactivating lectins with polynucleotide:adenosine glycosidase activity. FEBS Letters, 1997, 408, 355-359.	1.3	36
156	Promiscuity of the Euonymus Carbohydrate-Binding Domain. Biomolecules, 2012, 2, 415-434.	1.8	36
157	RNAi-Based Biocontrol Products: Market Status, Regulatory Aspects, and Risk Assessment. Frontiers in Insect Science, 2022, 1, .	0.9	36
158	Isolation and partial characterization of a small chitin-binding lectin from mistletoe (Viscum album). FEBS Letters, 1996, 396, 261-265.	1.3	35
159	The Gal/GalNAc-Specific Lectin from the Plant Pathogenic Basidiomycete Rhizoctonia solani Is a Member of the Ricin-B Family. Biochemical and Biophysical Research Communications, 2001, 282, 655-661.	1.0	35
160	Carbohydrate specificity of an insecticidal lectin isolated from the leaves of Glechoma hederacea (ground ivy) towards mammalian glycoconjugates. Biochemical Journal, 2006, 393, 331-341.	1.7	35
161	The â€œOldâ€•Euonymus europaeus Agglutinin Represents a Novel Family of Ubiquitous Plant Proteins Â Â. Plant Physiology, 2008, 147, 1316-1324.	2.3	35
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