

Els Van Damme

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2321983/els-van-damme-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

387
papers

14,398
citations

59
h-index

97
g-index

397
ext. papers

15,944
ext. citations

4.4
avg, IF

6.54
L-index

#	Paper	IF	Citations
387	Lectins as plant defense proteins. <i>Plant Physiology</i> , 1995 , 109, 347-52	6.6	869
386	Plant Lectins: A Composite of Several Distinct Families of Structurally and Evolutionary Related Proteins with Diverse Biological Roles. <i>Critical Reviews in Plant Sciences</i> , 1998 , 17, 575-692	5.6	382
385	Binding properties of a mannose-specific lectin from the snowdrop (<i>Galanthus nivalis</i>) bulb.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 728-734	5.4	247
384	Binding properties of a mannose-specific lectin from the snowdrop (<i>Galanthus nivalis</i>) bulb. <i>Journal of Biological Chemistry</i> , 1988 , 263, 728-34	5.4	236
383	Ribosome-inactivating proteins from plants: more than RNA N-glycosidases?. <i>FASEB Journal</i> , 2001 , 15, 1493-506	0.9	231
382	Expression of snowdrop lectin in transgenic tobacco plants results in added protection against aphids. <i>Transgenic Research</i> , 1995 , 4, 18-25	3.3	225
381	Plant lectins as defense proteins against phytophagous insects. <i>Phytochemistry</i> , 2011 , 72, 1538-50	4	223
380	Plant Lectins: A Composite of Several Distinct Families of Structurally and Evolutionary Related Proteins with Diverse Biological Roles. <i>Critical Reviews in Plant Sciences</i> , 1998 , 17, 575-692	5.6	215
379	The mannose-specific plant lectins from <i>Cymbidium</i> hybrid and <i>Epipactis helleborine</i> and the (N-acetylglucosamine) _n -specific plant lectin from <i>Urtica dioica</i> are potent and selective inhibitors of human immunodeficiency virus and cytomegalovirus replication in vitro. <i>Antiviral Research</i> , 1992 , 18, 181-207	10.8	212
378	Isolation and characterization of a lectin with exclusive specificity towards mannose from snowdrop (<i>Galanthus nivalis</i>) bulbs. <i>FEBS Letters</i> , 1987 , 215, 140-144	3.8	210
377	Plant lectins are potent inhibitors of coronaviruses by interfering with two targets in the viral replication cycle. <i>Antiviral Research</i> , 2007 , 75, 179-87	10.8	191
376	Relationship between survival and binding of plant lectins during small intestinal passage and their effectiveness as growth factors. <i>Digestion</i> , 1990 , 46 Suppl 2, 308-16	3.6	182
375	Plant Lectins. <i>Advances in Botanical Research</i> , 2008 , 107-209	2.2	178
374	Lectin domains at the frontiers of plant defense. <i>Frontiers in Plant Science</i> , 2014 , 5, 397	6.2	146
373	Isolation and characterization of a jacalin-related mannose-binding lectin from salt-stressed rice (<i>Oryza sativa</i>) plants. <i>Planta</i> , 2000 , 210, 970-8	4.7	139
372	Mannose-specific plant lectins from the Amaryllidaceae family qualify as efficient microbicides for prevention of human immunodeficiency virus infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 3858-70	5.9	135
371	Cytoplasmic/nuclear plant lectins: a new story. <i>Trends in Plant Science</i> , 2004 , 9, 484-9	13.1	132

370	Mannose-binding plant lectins: different structural scaffolds for a common sugar-recognition process. <i>Biochimie</i> , 2001 , 83, 645-51	4.6	130
369	Structural basis for the unusual carbohydrate-binding specificity of jacalin towards galactose and mannose. <i>Biochemical Journal</i> , 2002 , 364, 173-80	3.8	122
368	Antinutritive effects of wheat-germ agglutinin and other N-acetylglucosamine-specific lectins. <i>British Journal of Nutrition</i> , 1993 , 70, 313-21	3.6	113
367	Related mannose-specific lectins from different species of the family Amaryllidaceae. <i>Physiologia Plantarum</i> , 1988 , 73, 52-57	4.6	113
366	The role of lectins in plant defence. <i>The Histochemical Journal</i> , 1995 , 27, 253-71		106
365	Carbohydrate-binding specificity of the daffodil (<i>Narcissus pseudonarcissus</i>) and amaryllis (<i>Hippeastrum hybr.</i>) bulb lectins. <i>Archives of Biochemistry and Biophysics</i> , 1990 , 279, 298-304	4.1	104
364	Jasmonic acid methyl ester induces the synthesis of a cytoplasmic/nuclear chito-oligosaccharide binding lectin in tobacco leaves. <i>FASEB Journal</i> , 2002 , 16, 905-7	0.9	101
363	Effects of GNA and other mannose binding lectins on development and fecundity of the peach-potato aphid <i>Myzus persicae</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1996 , 79, 285-293	2.1	101
362	Biosynthesis, primary structure and molecular cloning of snowdrop (<i>Galanthus nivalis</i> L.) lectin. <i>FEBS Journal</i> , 1991 , 202, 23-30		99
361	Carbohydrate-binding agents cause deletions of highly conserved glycosylation sites in HIV GP120: a new therapeutic concept to hit the achilles heel of HIV. <i>Journal of Biological Chemistry</i> , 2005 , 280, 41005-14	5.4	98
360	Structure-function relationship of monocot mannose-binding lectins. <i>Plant Physiology</i> , 1996 , 112, 1531-40	4.6	98
359	The major tuber storage protein of araceae species is a lectin. Characterization and molecular cloning of the lectin from <i>Arum maculatum</i> L. <i>Plant Physiology</i> , 1995 , 107, 1147-58	6.6	97
358	Fruit-specific lectins from banana and plantain. <i>Planta</i> , 2000 , 211, 546-54	4.7	96
357	<i>Helianthus tuberosus</i> lectin reveals a widespread scaffold for mannose-binding lectins. <i>Structure</i> , 1999 , 7, 1473-82	5.2	95
356	Use of the rice sucrose synthase-1 promoter to direct phloem-specific expression of β -glucuronidase and snowdrop lectin genes in transgenic tobacco plants. <i>Journal of Experimental Botany</i> , 1994 , 45, 623-631	7	93
355	Plant-insect interactions: what can we learn from plant lectins?. <i>Archives of Insect Biochemistry and Physiology</i> , 2010 , 73, 193-212	2.3	91
354	A molecular basis for the endo-beta 1,3-glucanase activity of the thaumatin-like proteins from edible fruits. <i>Biochimie</i> , 2003 , 85, 123-31	4.6	86
353	The closely related homomeric and heterodimeric mannose-binding lectins from garlic are encoded by one-domain and two-domain lectin genes, respectively. <i>FEBS Journal</i> , 1992 , 206, 413-20		86

352	Nucleocytoplasmic plant lectins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010 , 1800, 190-201	4	85
351	Ribosome-Inactivating Proteins: A Family of Plant Proteins That Do More Than Inactivate Ribosomes. <i>Critical Reviews in Plant Sciences</i> , 2001 , 20, 395-465	5.6	85
350	Kidney bean lectin-induced Escherichia coli overgrowth in the small intestine is blocked by GNA, a mannose-specific lectin. <i>Journal of Applied Bacteriology</i> , 1993 , 75, 360-8		85
349	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. <i>Journal of Virology</i> , 2006 , 80, 8411-21	6.6	84
348	A comparative study of mannose-binding lectins from the amaryllidaceae and alliaceae. <i>Phytochemistry</i> , 1991 , 30, 509-514	4	84
347	Profile of resistance of human immunodeficiency virus to mannose-specific plant lectins. <i>Journal of Virology</i> , 2004 , 78, 10617-27	6.6	82
346	Phylogenetic and specificity studies of two-domain GNA-related lectins: generation of multispecificity through domain duplication and divergent evolution. <i>Biochemical Journal</i> , 2007 , 404, 51-61	3.8	73
345	The NeuAc(alpha-2,6)-Gal/GalNAc-binding lectin from elderberry (<i>Sambucus nigra</i>) bark, a type-2 ribosome-inactivating protein with an unusual specificity and structure. <i>FEBS Journal</i> , 1996 , 235, 128-37		71
344	Lectin binding reveals divergent carbohydrate expression in human and mouse Peyer's patches. <i>Histochemistry and Cell Biology</i> , 1996 , 105, 459-65	2.4	68
343	Novel cellulose and polyamide halochromic textile sensors based on the encapsulation of Methyl Red into a sol-gel matrix. <i>Sensors and Actuators B: Chemical</i> , 2012 , 162, 27-34	8.5	67
342	Toxic proteins in plants. <i>Phytochemistry</i> , 2015 , 117, 51-64	4	67
341	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. <i>Plant Physiology</i> , 2002 , 130, 757-69	6.6	67
340	Evaluation of the susceptibility of the pea aphid, <i>Acyrtosiphon pisum</i> , to a selection of novel biorational insecticides using an artificial diet. <i>Journal of Insect Science</i> , 2009 , 9, 1-8	2	65
339	Lectin and alliinase are the predominant proteins in nectar from leek (<i>Allium porrum</i> L.) flowers. <i>Planta</i> , 1997 , 201, 298-302	4.7	65
338	The identification of inducible cytoplasmic/nuclear carbohydrate-binding proteins urges to develop novel concepts about the role of plant lectins. <i>Glycoconjugate Journal</i> , 2004 , 20, 449-60	3	64
337	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. <i>Plant Physiology</i> , 2002 , 130, 1063-72	6.6	64
336	Protein-carbohydrate interactions as part of plant defense and animal immunity. <i>Molecules</i> , 2015 , 20, 9029-53	4.8	63
335	Enzymatic activity of toxic and non-toxic type 2 ribosome-inactivating proteins. <i>FEBS Letters</i> , 2004 , 563, 219-22	3.8	63

334	Diversity and functions of protein glycosylation in insects. <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 83, 21-34	4.5	61
333	Resolution of the structure of the allergenic and antifungal banana fruit thaumatin-like protein at 1.7-Å. <i>Biochimie</i> , 2006 , 88, 45-52	4.6	61
332	The galactose-binding and mannose-binding jacalin-related lectins are located in different sub-cellular compartments. <i>FEBS Letters</i> , 2000 , 477, 186-92	3.8	61
331	Isolation, characterization and molecular cloning of the mannose-binding lectins from leaves and roots of garlic (<i>Allium sativum</i> L.). <i>Plant Molecular Biology</i> , 1997 , 33, 223-34	4.6	60
330	Ectopically expressed leaf and bulb lectins from garlic (<i>Allium sativum</i> L.) protect transgenic tobacco plants against cotton leafworm (<i>Spodoptera littoralis</i>). <i>Transgenic Research</i> , 2008 , 17, 9-18	3.3	60
329	Marked depletion of glycosylation sites in HIV-1 gp120 under selection pressure by the mannose-specific plant lectins of <i>Hippeastrum hybrid</i> and <i>Galanthus nivalis</i> . <i>Molecular Pharmacology</i> , 2005 , 67, 1556-65	4.3	60
328	Classification of plant lectins in families of structurally and evolutionary related proteins. <i>Advances in Experimental Medicine and Biology</i> , 2001 , 491, 27-54	3.6	59
327	Entry of hepatitis C virus and human immunodeficiency virus is selectively inhibited by carbohydrate-binding agents but not by polyanions. <i>Virology</i> , 2007 , 366, 40-50	3.6	58
326	Non-lethal heat shock protects gnotobiotic <i>Artemia franciscana</i> larvae against virulent <i>Vibriosis</i> . <i>Fish and Shellfish Immunology</i> , 2007 , 22, 318-26	4.3	58
325	Carbohydrate-binding activity of the type-2 ribosome-inactivating protein SNA-I from elderberry (<i>Sambucus nigra</i>) is a determining factor for its insecticidal activity. <i>Phytochemistry</i> , 2008 , 69, 2972-8	4	57
324	Lectins and also bacteria modify the glycosylation of gut surface receptors in the rat. <i>Glycoconjugate Journal</i> , 1995 , 12, 22-35	3	56
323	Characterization and molecular cloning of mannose-binding lectins from the Orchidaceae species <i>Listera ovata</i> , <i>Epipactis helleborine</i> and <i>Cymbidium hybrid</i> . <i>FEBS Journal</i> , 1994 , 221, 769-77		56
322	Review/N-glycans: The making of a varied toolbox. <i>Plant Science</i> , 2015 , 239, 67-83	5.3	54
321	Mapping of IgE-binding epitopes on the major latex allergen Hev b 2 and the cross-reacting 1,3beta-glucanase fruit allergens as a molecular basis for the latex-fruit syndrome. <i>Molecular Immunology</i> , 2009 , 46, 1595-604	4.3	54
320	The major secreted protein Msp1/p75 is O-glycosylated in <i>Lactobacillus rhamnosus</i> GG. <i>Microbial Cell Factories</i> , 2012 , 11, 15	6.4	53
319	Localization and in vitro binding studies suggest that the cytoplasmic/nuclear tobacco lectin can interact in situ with high-mannose and complex N-glycans. <i>FEBS Letters</i> , 2006 , 580, 6329-37	3.8	52
318	Expression of <i>Sambucus nigra</i> agglutinin (SNA-I) from elderberry bark in transgenic tobacco plants results in enhanced resistance to different insect species. <i>Transgenic Research</i> , 2009 , 18, 249-59	3.3	51
317	Carbohydrate binding properties of banana (<i>Musa acuminata</i>) lectin I. Novel recognition of internal alpha1,3-linked glucosyl residues. <i>FEBS Journal</i> , 2001 , 268, 2609-15		51

316	The bark of <i>Robinia pseudoacacia</i> contains a complex mixture of lectins. Characterization of the proteins and the cDNA clones. <i>Plant Physiology</i> , 1995 , 107, 833-43	6.6	51
315	New mannose-specific lectins from garlic (<i>Allium sativum</i>) and ramsons (<i>Allium ursinum</i>) bulbs. <i>Carbohydrate Research</i> , 1992 , 229, 347-53	2.9	51
314	Gastrodianin-like mannose-binding proteins: a novel class of plant proteins with antifungal properties. <i>Plant Journal</i> , 2001 , 25, 651-61	6.9	50
313	Isolation and characterization of alliinase cDNA clones from garlic (<i>Allium sativum</i> L.) and related species. <i>FEBS Journal</i> , 1992 , 209, 751-7		50
312	Diversity in protein glycosylation among insect species. <i>PLoS ONE</i> , 2011 , 6, e16682	3.7	50
311	Potato lectin: an updated model of a unique chimeric plant protein. <i>Plant Journal</i> , 2004 , 37, 34-45	6.9	49
310	The crystal structure of the <i>Calystegia sepium</i> agglutinin reveals a novel quaternary arrangement of lectin subunits with a beta-prism fold. <i>Journal of Biological Chemistry</i> , 2004 , 279, 527-33	5.4	48
309	Five disulfide bridges stabilize a hevein-type antimicrobial peptide from the bark of spindle tree (<i>Euonymus europaeus</i> L.). <i>FEBS Letters</i> , 2002 , 530, 181-5	3.8	48
308	Molecular cloning of the mitogenic mannose/maltose-specific rhizome lectin from <i>Calystegia sepium</i> . <i>FEBS Letters</i> , 1996 , 397, 352-6	3.8	48
307	Cloning and characterization of the lectin cDNA clones from onion, shallot and leek. <i>Plant Molecular Biology</i> , 1993 , 23, 365-76	4.6	48
306	Purification and structural analysis of an abundant thaumatin-like protein from ripe banana fruit. <i>Planta</i> , 2000 , 211, 791-9	4.7	47
305	Characterization and molecular cloning of the lectin from <i>Helianthus tuberosus</i> . <i>FEBS Journal</i> , 1999 , 259, 135-42		47
304	Sodium Selenate Treatment Using a Combination of Seed Priming and Foliar Spray Alleviates Salinity Stress in Rice. <i>Frontiers in Plant Science</i> , 2019 , 10, 116	6.2	47
303	Nebrodeolysin, a novel hemolytic protein from mushroom <i>Pleurotus nebrodensis</i> with apoptosis-inducing and anti-HIV-1 effects. <i>Phytomedicine</i> , 2009 , 16, 198-205	6.5	46
302	The dead-end elimination method, tryptophan rotamers, and fluorescence lifetimes. <i>Biophysical Journal</i> , 2003 , 85, 1894-902	2.9	46
301	Lectin-Like Molecules of <i>Lactobacillus rhamnosus</i> GG Inhibit Pathogenic <i>Escherichia coli</i> and <i>Salmonella</i> Biofilm Formation. <i>PLoS ONE</i> , 2016 , 11, e0161337	3.7	46
300	Production of complex multiantennary N-glycans in <i>Nicotiana benthamiana</i> plants. <i>Plant Physiology</i> , 2011 , 155, 1103-12	6.6	45
299	Plant Lectins: Versatile Proteins with Important Perspectives in Biotechnology. <i>Biotechnology and Genetic Engineering Reviews</i> , 1998 , 15, 199-228	4.1	45

298	Isolation and molecular cloning of a novel type 2 ribosome-inactivating protein with an inactive B chain from elderberry (<i>Sambucus nigra</i>) bark. <i>Journal of Biological Chemistry</i> , 1997 , 272, 8353-60	5.4	44
297	The major elderberry (<i>Sambucus nigra</i>) fruit protein is a lectin derived from a truncated type 2 ribosome-inactivating protein. <i>Plant Journal</i> , 1997 , 12, 1251-60	6.9	44
296	Anti-HIV I/II activity and molecular cloning of a novel mannose/sialic acid-binding lectin from rhizome of <i>Polygonatum cyrtonema</i> Hua. <i>Acta Biochimica Et Biophysica Sinica</i> , 2006 , 38, 70-8	2.8	44
295	Higher Plants Developed Structurally Different Motifs to Recognize Foreign Glycans.. <i>Trends in Glycoscience and Glycotechnology</i> , 2000 , 12, 83-101	0.1	44
294	Enhanced resistance to early blight in transgenic tomato lines expressing heterologous plant defense genes. <i>Planta</i> , 2005 , 222, 858-66	4.7	43
293	A gene encoding a hevein-like protein from elderberry fruits is homologous to PR-4 and class V chitinase genes. <i>Plant Physiology</i> , 1999 , 119, 1547-56	6.6	43
292	Plant Lectins Targeting O-Glycans at the Cell Surface as Tools for Cancer Diagnosis, Prognosis and Therapy. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	42
291	The jasmonate-induced expression of the <i>Nicotiana tabacum</i> leaf lectin. <i>Plant and Cell Physiology</i> , 2007 , 48, 1207-18	4.9	42
290	Evaluation of the ability of lectin from snowdrop (<i>Galanthus nivalis</i>) to protect plants against root-knot nematodes. <i>Plant Science</i> , 2003 , 164, 517-523	5.3	42
289	A novel mannose-binding tuber lectin from <i>Typhonium divaricatum</i> (L.) Decne (family Araceae) with antiviral activity against HSV-II and anti-proliferative effect on human cancer cell lines. <i>BMB Reports</i> , 2007 , 40, 358-67	5.5	42
288	A novel family of lectins evolutionarily related to class V chitinases: an example of neofunctionalization in legumes. <i>Plant Physiology</i> , 2007 , 144, 662-72	6.6	41
287	Crystal structure of <i>Urtica dioica</i> agglutinin, a superantigen presented by MHC molecules of class I and class II. <i>Structure</i> , 2000 , 8, 593-603	5.2	41
286	Leaves of the Orchid Twayblade (<i>Listera ovata</i>) Contain a Mannose-Specific Lectin. <i>Plant Physiology</i> , 1987 , 85, 566-9	6.6	41
285	Plant lectins: specific tools for the identification, isolation, and characterization of O-linked glycans. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1998 , 33, 209-58	8.7	41
284	Insecticidal properties of <i>Sclerotinia sclerotiorum</i> agglutinin and its interaction with insect tissues and cells. <i>Insect Biochemistry and Molecular Biology</i> , 2010 , 40, 883-90	4.5	40
283	Interaction of the tobacco lectin with histone proteins. <i>Plant Physiology</i> , 2011 , 155, 1091-102	6.6	40
282	Analysis of the sugar-binding specificity of mannose-binding-type Jacalin-related lectins by frontal affinity chromatography--an approach to functional classification. <i>FEBS Journal</i> , 2008 , 275, 1227-39	5.7	40
281	Synergistic antifungal activity of two chitin-binding proteins from spindle tree (<i>Euonymus europaeus</i> L.). <i>Planta</i> , 2004 , 219, 221-32	4.7	40

280	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). <i>FEBS Journal</i> , 1996 , 237, 505-13		40
279	Molecular cloning and characterization of multiple isoforms of the snowdrop (Galanthus nivalis L.) lectin. <i>Planta</i> , 1991 , 186, 35-43	4.7	40
278	Spodoptera littoralis-induced lectin expression in tobacco. <i>Plant and Cell Physiology</i> , 2009 , 50, 1142-55	4.9	39
277	Molecular cloning of two different mannose-binding lectins from tulip bulbs. <i>FEBS Journal</i> , 1996 , 236, 419-27		39
276	Lectins of members of the Amaryllidaceae are encoded by multigene families which show extensive homology. <i>Physiologia Plantarum</i> , 1992 , 86, 245-252	4.6	39
275	Signaling through plant lectins: modulation of plant immunity and beyond. <i>Biochemical Society Transactions</i> , 2018 , 46, 217-233	5.1	38
274	Related lectins from snowdrop and maize differ in their carbohydrate-binding specificity. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 380, 260-5	3.4	38
273	Expression of garlic leaf lectin under the control of the phloem-specific promoter Asus1 from Arabidopsis thaliana protects tobacco plants against the tobacco aphid (Myzus nicotianae). <i>Pest Management Science</i> , 2007 , 63, 1215-23	4.6	38
272	Antiviral activity of carbohydrate-binding agents against Nidovirales in cell culture. <i>Antiviral Research</i> , 2007 , 76, 21-9	10.8	38
271	Deterrent activity of plant lectins on cowpea weevil Callosobruchus maculatus (F.) oviposition. <i>Phytochemistry</i> , 2006 , 67, 2078-84	4	38
270	Isolation of a novel plant lectin with an unusual specificity from Calystegia sepium. <i>Glycoconjugate Journal</i> , 1997 , 14, 259-65	3	37
269	Analysis of the in planta antiviral activity of elderberry ribosome-inactivating proteins. <i>FEBS Journal</i> , 2004 , 271, 1508-15		37
268	Iris bulbs express type 1 and type 2 ribosome-inactivating proteins with unusual properties. <i>Plant Physiology</i> , 2001 , 125, 866-76	6.6	37
267	Purification, characterization and structural analysis of an abundant beta-1,3-glucanase from banana fruit. <i>FEBS Journal</i> , 2000 , 267, 1188-95		37
266	Inhibition of starch digestion by alpha-amylase inhibitor reduces the efficiency of utilization of dietary proteins and lipids and retards the growth of rats. <i>Journal of Nutrition</i> , 1995 , 125, 1554-62	4.1	37
265	Carbohydrate binding properties of banana (Musa acuminata) lectin II. Binding of laminaribiose oligosaccharides and beta-glucans containing beta1,6-glucosyl end groups. <i>FEBS Journal</i> , 2001 , 268, 2616-9		36
264	The mannose-specific lectins from ramsons (Allium ursinum L.) are encoded by three sets of genes. <i>FEBS Journal</i> , 1993 , 217, 123-9		36
263	Bioinformatics analyses of the mannose-binding lectins from Polygonatum cyrtonema, Ophiopogon japonicus and Liparis novera with antiproliferative and apoptosis-inducing activities. <i>Phytomedicine</i> , 2009 , 16, 601-8	6.5	35

262	Exposure of insect midgut cells to <i>Sambucus nigra</i> L. agglutinins I and II causes cell death via caspase-dependent apoptosis. <i>Journal of Insect Physiology</i> , 2010 , 56, 1101-7	2.4	35
261	Crystal structure at 1.45-Å resolution of the major allergen endo-beta-1,3-glucanase of banana as a molecular basis for the latex-fruit syndrome. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 63, 235-42	4.2	35
260	Isolation, characterization, molecular cloning and molecular modelling of two lectins of different specificities from bluebell (<i>Scilla campanulata</i>) bulbs. <i>Biochemical Journal</i> , 1999 , 340, 299-308	3.8	35
259	Penetration through the peritrophic matrix is a key to lectin toxicity against <i>Tribolium castaneum</i> . <i>Journal of Insect Physiology</i> , 2014 , 70, 94-101	2.4	34
258	Plant F-box Proteins – Judges between Life and Death. <i>Critical Reviews in Plant Sciences</i> , 2015 , 34, 523-553	3.6	34
257	Type 1 ribosome-inactivating proteins are the most abundant proteins in iris (<i>Iris hollandica</i> var. Professor Blaauw) bulbs: characterization and molecular cloning. <i>Biochemical Journal</i> , 1997 , 324 (Pt 3), 963-70	3.8	34
256	The "old" <i>Euonymus europaeus</i> agglutinin represents a novel family of ubiquitous plant proteins. <i>Plant Physiology</i> , 2008 , 147, 1316-24	6.6	34
255	The Tn antigen-specific lectin from ground ivy is an insecticidal protein with an unusual physiology. <i>Plant Physiology</i> , 2003 , 132, 1322-34	6.6	34
254	The Gal/GalNAc-specific lectin from the plant pathogenic basidiomycete <i>Rhizoctonia solani</i> is a member of the ricin-B family. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 282, 655-61	3.4	34
253	History of plant lectin research. <i>Methods in Molecular Biology</i> , 2014 , 1200, 3-13	1.4	34
252	<i>Nicotiana tabacum</i> agglutinin is active against Lepidopteran pest insects. <i>Journal of Experimental Botany</i> , 2010 , 61, 1003-14	7	33
251	Cloning and characterization of a monocot mannose-binding lectin from <i>Crocus vernus</i> (family Iridaceae). <i>FEBS Journal</i> , 2000 , 267, 5067-77		33
250	Entomotoxic effects of fungal lectin from <i>Rhizoctonia solani</i> towards <i>Spodoptera littoralis</i> . <i>Fungal Biology</i> , 2010 , 114, 34-40	2.8	32
249	Carbohydrate specificity of an insecticidal lectin isolated from the leaves of <i>Glechoma hederacea</i> (ground ivy) towards mammalian glycoconjugates. <i>Biochemical Journal</i> , 2006 , 393, 331-41	3.8	32
248	Cloning and heterologous expression of early genes in gibberellin and steviol biosynthesis via the methylerythritol phosphate pathway in <i>Stevia rebaudiana</i> . <i>Canadian Journal of Botany</i> , 2003 , 81, 517-522		32
247	The <i>Sambucus nigra</i> type-2 ribosome-inactivating protein SNA-1Q exhibits in planta antiviral activity in transgenic tobacco. <i>FEBS Letters</i> , 2002 , 516, 27-30	3.8	32
246	Isolation and partial characterization of a small chitin-binding lectin from mistletoe (<i>Viscum album</i>). <i>FEBS Letters</i> , 1996 , 396, 261-5	3.8	32
245	Effect of the insecticidal <i>Galanthus nivalis</i> agglutinin on metabolism and the activities of brush border enzymes in the rat small intestine. <i>Journal of Nutritional Biochemistry</i> , 1996 , 7, 677-682	6.3	32

244	The <i>Urtica dioica</i> Agglutinin Is a Complex Mixture of Isolectins. <i>Plant Physiology</i> , 1988 , 86, 598-601	6.6	32
243	130 years of Plant Lectin Research. <i>Glycoconjugate Journal</i> , 2020 , 37, 533-551	3	32
242	Overview of the Structure?Function Relationships of Mannose-Specific Lectins from Plants, Algae and Fungi. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	32
241	Oryzata, a jacalin-related lectin from rice, could protect plants against biting-chewing and piercing-sucking insects. <i>Plant Science</i> , 2014 , 221-222, 21-8	5.3	31
240	Structural analysis of the jacalin-related lectin MornigaM from the black mulberry (<i>Morus nigra</i>) in complex with mannose. <i>FEBS Journal</i> , 2005 , 272, 3725-32	5.7	31
239	Proteins with an Euonymus lectin-like domain are ubiquitous in Embryophyta. <i>BMC Plant Biology</i> , 2009 , 9, 136	5.3	30
238	Carbohydrate-binding agents (CBAs) inhibit HIV-1 infection in human primary monocyte-derived macrophages (MDMs) and efficiently prevent MDM-directed viral capture and subsequent transmission to CD4+ T lymphocytes. <i>Virology</i> , 2008 , 370, 382-91	3.6	30
237	A structural basis for the difference in specificity between the two jacalin-related lectins from mulberry (<i>Morus nigra</i>) bark. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 304, 91-7	3.4	30
236	Purification and properties of an N-acetylgalactosamine specific lectin from the plant pathogenic fungus <i>Rhizoctonia solani</i> . <i>FEBS Letters</i> , 1987 , 216, 67-72	3.8	30
235	Glycan-binding F-box protein from <i>Arabidopsis thaliana</i> protects plants from <i>Pseudomonas syringae</i> infection. <i>BMC Plant Biology</i> , 2016 , 16, 213	5.3	30
234	High entomotoxicity and mechanism of the fungal GalNAc/Gal-specific <i>Rhizoctonia solani</i> lectin in pest insects. <i>Journal of Insect Physiology</i> , 2013 , 59, 295-305	2.4	29
233	Glycosylation signatures in <i>Drosophila</i> : fishing with lectins. <i>Journal of Proteome Research</i> , 2010 , 9, 3235-326	4.2	29
232	Crystal structure of the GalNAc/Gal-specific agglutinin from the phytopathogenic ascomycete <i>Sclerotinia sclerotiorum</i> reveals novel adaptation of a beta-trefoil domain. <i>Journal of Molecular Biology</i> , 2010 , 400, 715-23	6.5	29
231	Ribosome-inactivating lectins with polynucleotide:adenosine glycosidase activity. <i>FEBS Letters</i> , 1997 , 408, 355-9	3.8	29
230	Elderberry (<i>Sambucus nigra</i>) bark contains two structurally different Neu5Ac(alpha2,6)Gal/GalNAc-binding type 2 ribosome-inactivating proteins. <i>FEBS Journal</i> , 1997 , 245, 648-55		29
229	Structural basis for sugar recognition, including the Tn carcinoma antigen, by the lectin SNA-II from <i>Sambucus nigra</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2009 , 75, 89-103	4.2	28
228	Entomotoxic action of <i>Sambucus nigra</i> agglutinin I in <i>Acyrtosiphon pisum</i> aphids and <i>Spodoptera exigua</i> caterpillars through caspase-3-like-dependent apoptosis. <i>Archives of Insect Biochemistry and Physiology</i> , 2010 , 75, 207-20	2.3	28
227	The monomeric and dimeric mannose-binding proteins from the Orchidaceae species <i>Listera ovata</i> and <i>Epipactis helleborine</i> : sequence homologies and differences in biological activities. <i>Glycoconjugate Journal</i> , 1994 , 11, 321-32	3	28

226	Isolation and characterization of a seed lectin from elderberry (<i>Sambucus nigra</i> L.) and its relationship to the bark lectins. <i>Carbohydrate Research</i> , 1991 , 213, 7-17	2.9	28
225	Expression of the nucleocytoplasmic tobacco lectin in the yeast <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2007 , 53, 275-82	2	27
224	Type-1 ribosome-inactivating protein from iris bulbs: a useful agronomic tool to engineer virus resistance?. <i>Plant Molecular Biology</i> , 2003 , 51, 567-76	4.6	27
223	Characterization and molecular cloning of two different type 2 ribosome-inactivating proteins from the monocotyledonous plant <i>Polygonatum multiflorum</i> . <i>FEBS Journal</i> , 2000 , 267, 2746-59		27
222	Molecular cloning of the lectin and a lectin-related protein from common Solomon seal (<i>Polygonatum multiflorum</i>). <i>Plant Molecular Biology</i> , 1996 , 31, 657-72	4.6	27
221	Interactions of plant lectins with the components of the bacterial cell wall peptidoglycan. <i>Biochemical Systematics and Ecology</i> , 1994 , 22, 153-159	1.4	27
220	Protein N-glycosylation and N-glycan trimming are required for postembryonic development of the pest beetle <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2016 , 6, 35151	4.9	27
219	The type-1 and type-2 ribosome-inactivating proteins from Iris confer transgenic tobacco plants local but not systemic protection against viruses. <i>Planta</i> , 2004 , 220, 211-21	4.7	26
218	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. <i>Biochemical Journal</i> , 2002 , 367, 817-24	3.8	26
217	Purification and characterization of a mannose-specific lectin from Shallot (<i>Allium ascalonicum</i>) bulbs. <i>Archives of Biochemistry and Biophysics</i> , 1993 , 306, 431-8	4.1	26
216	Arabidopsis F-box protein containing a Nictaba-related lectin domain interacts with N-acetyllactosamine structures. <i>FEBS Open Bio</i> , 2012 , 2, 151-8	2.7	25
215	Expression analysis of the nucleocytoplasmic lectin <i>Qrysata</i> from rice in <i>Pichia pastoris</i> . <i>FEBS Journal</i> , 2011 , 278, 2064-79	5.7	25
214	Isolation and characterization of lectins and lectin-alliinase complexes from bulbs of garlic (<i>Allium sativum</i>) and ramsons (<i>Allium ursinum</i>). <i>Glycoconjugate Journal</i> , 1997 , 14, 331-43	3	25
213	Do F-box proteins with a C-terminal domain homologous with the tobacco lectin play a role in protein degradation in plants?. <i>Biochemical Society Transactions</i> , 2008 , 36, 843-7	5.1	25
212	Biochemical, molecular and structural analysis of multiple thaumatin-like proteins from the elderberry tree (<i>Sambucus nigra</i> L.). <i>Planta</i> , 2002 , 214, 853-62	4.7	25
211	Distribution and evolution of the lectin family in soybean (<i>Glycine max</i>). <i>Molecules</i> , 2015 , 20, 2868-91	4.8	24
210	High mannose-specific lectin Msl mediates key interactions of the vaginal <i>Lactobacillus plantarum</i> isolate CMPG5300. <i>Scientific Reports</i> , 2016 , 6, 37339	4.9	24
209	Curculin, a sweet-tasting and taste-modifying protein, is a non-functional mannose-binding lectin. <i>Plant Molecular Biology</i> , 1997 , 33, 691-8	4.6	24

208	The liverwort contains a lectin that is structurally and evolutionary related to the monocot mannose-binding lectins. <i>Plant Physiology</i> , 2002 , 129, 1054-65	6.6	24
207	NICTABA and UDA, two GlcNAc-binding lectins with unique antiviral activity profiles. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1674-85	5.1	23
206	Endogenous biotin-binding proteins: an overlooked factor causing false positives in streptavidin-based protein detection. <i>Microbial Biotechnology</i> , 2015 , 8, 164-8	6.3	23
205	Mannose-Specific Lectins from Marine Algae: Diverse Structural Scaffolds Associated to Common Virucidal and Anti-Cancer Properties. <i>Marine Drugs</i> , 2019 , 17,	6	23
204	Lectin activity of the nucleocytoplasmic EUL protein from Arabidopsis thaliana. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 414, 101-5	3.4	23
203	The presence of jasmonate-inducible lectin genes in some but not all Nicotiana species explains a marked intragenus difference in plant responses to hormone treatment. <i>Journal of Experimental Botany</i> , 2006 , 57, 3145-55	7	23
202	The tomato lectin consists of two homologous chitin-binding modules separated by an extensin-like linker. <i>Biochemical Journal</i> , 2003 , 376, 717-24	3.8	23
201	Structural and functional characterization of the GalNAc/Gal-specific lectin from the phytopathogenic ascomycete Sclerotinia sclerotiorum (Lib.) de Bary. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 308, 396-402	3.4	23
200	Structure of a legume lectin from the bark of Robinia pseudoacacia and its complex with N-acetylgalactosamine. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001 , 44, 470-8	4.2	23
199	A lectin and a lectin-related protein are the two most prominent proteins in the bark of yellow wood (Cladrastis lutea). <i>Plant Molecular Biology</i> , 1995 , 29, 579-98	4.6	23
198	The Arabidopsis lectin EULS3 is involved in stomatal closure. <i>Plant Science</i> , 2015 , 238, 312-22	5.3	22
197	Production of Plant Made Pharmaceuticals: From Plant Host to Functional Protein. <i>Critical Reviews in Plant Sciences</i> , 2012 , 31, 148-180	5.6	22
196	Differences in the mannose oligomer specificities of the closely related lectins from Galanthus nivalis and Zea mays strongly determine their eventual anti-HIV activity. <i>Retrovirology</i> , 2011 , 8, 10	3.6	22
195	Promiscuity of the euonymus carbohydrate-binding domain. <i>Biomolecules</i> , 2012 , 2, 415-34	5.9	22
194	Artocarpin is a polyspecific jacalin-related lectin with a monosaccharide preference for mannose. <i>Biochimie</i> , 2004 , 86, 685-91	4.6	22
193	Major protein of resting rhizomes of Calystegia sepium (hedge bindweed) closely resembles plant RNases but has no enzymatic activity. <i>Plant Physiology</i> , 2000 , 122, 433-46	6.6	22
192	The alpha-mannosyl-binding lectin from leaves of the orchid twayblade (Listera ovata). Application to separation of alpha-D-mannans from alpha-D-glucans. <i>FEBS Journal</i> , 1993 , 217, 677-81		22
191	Uncovering the genetic basis for early isogamete differentiation: a case study of Ectocarpus siliculosus. <i>BMC Genomics</i> , 2013 , 14, 909	4.5	21

190	The tobacco lectin, prototype of the family of Nictaba-related proteins. <i>Current Protein and Peptide Science</i> , 2015 , 16, 5-16	2.8	21
189	Purification and characterization of the cysteine proteinases in the latex of <i>Vasconcellea</i> spp. <i>FEBS Journal</i> , 2007 , 274, 451-62	5.7	21
188	Leaves of the Lamiaceae species <i>Glechoma hederacea</i> (ground ivy) contain a lectin that is structurally and evolutionary related to the legume lectins. <i>Plant Journal</i> , 2003 , 33, 293-304	6.9	21
187	Structure of the native (unligated) mannose-specific bulb lectin from <i>Scilla campanulata</i> (bluebell) at 1.7 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999 , 55, 1264-72		21
186	Isolation, characterization, molecular cloning and molecular modelling of two lectins of different specificities from bluebell (<i>Scilla campanulata</i>) bulbs. <i>Biochemical Journal</i> , 1999 , 340, 299	3.8	21
185	Genome-Wide Screening for Lectin Motifs in. <i>Plant Genome</i> , 2017 , 10, plantgenome2017.02.0010	4.4	20
184	Two structurally identical mannose-specific jacalin-related lectins display different effects on human T lymphocyte activation and cell death. <i>Journal of Leukocyte Biology</i> , 2009 , 86, 103-14	6.5	20
183	Molecular cloning of the bark and seed lectins from the Japanese pagoda tree (<i>Sophora japonica</i>). <i>Plant Molecular Biology</i> , 1997 , 33, 523-36	4.6	20
182	Elderberry (<i>Sambucus nigra</i>) contains truncated Neu5Ac(alpha-2,6)Gal/GalNAc-binding type 2 ribosome-inactivating proteins. <i>FEBS Letters</i> , 1998 , 425, 35-9	3.8	20
181	Plant Lectins as Part of the Plant Defense System Against Insects 2008 , 285-307		20
180	Recognition profile of <i>Morus nigra</i> agglutinin (Morniga G) expressed by monomeric ligands, simple clusters and mammalian polyvalent glycotopes. <i>Molecular Immunology</i> , 2007 , 44, 451-62	4.3	20
179	Accessibility of the high-mannose glycans of glycoprotein gp120 from human immunodeficiency virus type 1 probed by in vitro interaction with mannose-binding lectins. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 274, 455-60	3.4	20
178	Structural characterisation of the native fetuin-binding protein <i>Scilla campanulata</i> agglutinin: a novel two-domain lectin. <i>FEBS Letters</i> , 2000 , 468, 19-22	3.8	20
177	GalNAc/Gal-binding <i>Rhizoctonia solani</i> agglutinin has antiproliferative activity in <i>Drosophila melanogaster</i> S2 cells via MAPK and JAK/STAT signaling. <i>PLoS ONE</i> , 2012 , 7, e33680	3.7	19
176	Internalization of <i>Sambucus nigra</i> agglutinins I and II in insect midgut CF-203 cells. <i>Archives of Insect Biochemistry and Physiology</i> , 2011 , 76, 211-22	2.3	19
175	The liverwort <i>Marchantia polymorpha</i> expresses orthologs of the fungal <i>Agaricus bisporus</i> agglutinin family. <i>Plant Physiology</i> , 2007 , 144, 637-47	6.6	19
174	Localization and topogenesis studies of cytoplasmic and vacuolar homologs of the <i>Galanthus nivalis</i> agglutinin. <i>Plant and Cell Physiology</i> , 2007 , 48, 1010-21	4.9	19
173	The seed lectins of black locust (<i>Robinia pseudoacacia</i>) are encoded by two genes which differ from the bark lectin genes. <i>Plant Molecular Biology</i> , 1995 , 29, 1197-210	4.6	19

172	Isolation and characterization of an N-acetyl-D-galactosamine-binding lectin from Dutch Iris bulbs which recognizes the blood group A disaccharide (GalNAc alpha 1-3Gal). <i>Journal of Biological Chemistry</i> , 1994 , 269, 7666-73	5.4	19
171	Messages From the Past: New Insights in Plant Lectin Evolution. <i>Frontiers in Plant Science</i> , 2019 , 10, 36	6.2	19
170	In vivo interaction between the tobacco lectin and the core histone proteins. <i>Journal of Plant Physiology</i> , 2014 , 171, 1149-56	3.6	18
169	Biologically active, magnICON [®] -expressed EPO-Fc from stably transformed <i>Nicotiana benthamiana</i> plants presenting tetra-antennary N-glycan structures. <i>Journal of Biotechnology</i> , 2012 , 160, 242-50	3.7	18
168	Mechanism of entomotoxicity of the plant lectin from <i>Hippeastrum hybrid</i> (<i>Amaryllis</i>) in <i>Spodoptera littoralis</i> larvae. <i>Journal of Insect Physiology</i> , 2012 , 58, 1177-83	2.4	18
167	Morniga G: a plant lectin as an endocytic ligand for photosensitizer molecule targeting toward tumor-associated T/Tn antigens. <i>Photochemistry and Photobiology</i> , 2011 , 87, 370-7	3.6	18
166	Mutational analysis of the carbohydrate binding activity of the tobacco lectin. <i>Glycoconjugate Journal</i> , 2010 , 27, 613-23	3	18
165	Regulation of gelatinase B (MMP-9) in leukocytes by plant lectins. <i>FEBS Letters</i> , 1998 , 427, 275-8	3.8	18
164	Purification and characterization of a mannose-binding lectin from the rhizomes of <i>Aspidistra elatior</i> Blume with antiproliferative activity. <i>Acta Biochimica Et Biophysica Sinica</i> , 2007 , 39, 507-19	2.8	18
163	Ferritin acts as a target site for the snowdrop lectin (GNA) in the midgut of the cotton leafworm <i>Spodoptera littoralis</i> . <i>Insect Science</i> , 2008 , 15, 513-519	3.6	18
162	A novel lectin (Morniga M) from mulberry (<i>Morus nigra</i>) bark recognizes oligomannosyl residues in N-glycans. <i>Journal of Biomedical Science</i> , 2004 , 11, 874-85	13.3	18
161	Overexpression of -Like Lectin Genes from Confers Tolerance toward Infection, Aphid Infestation and Salt Stress in Transgenic Plants. <i>Frontiers in Plant Science</i> , 2016 , 7, 1590	6.2	18
160	Cell cycle-dependent O-GlcNAc modification of tobacco histones and their interaction with the tobacco lectin. <i>Plant Physiology and Biochemistry</i> , 2014 , 83, 151-8	5.4	17
159	Isolation, characterization and molecular cloning of a leaf-specific lectin from ramsons (<i>Allium ursinum</i> L.). <i>Plant Molecular Biology</i> , 1997 , 35, 531-5	4.6	17
158	Artin M: a rational substitution for the names artocarpin and KM+. <i>Immunology Letters</i> , 2008 , 119, 114-5	4.1	17
157	Characterization of <i>Urtica dioica</i> agglutinin isolectins and the encoding gene family. <i>Plant Molecular Biology</i> , 1999 , 39, 335-47	4.6	17
156	Garlic (<i>Allium sativum</i>) chitinases: characterization and molecular cloning. <i>Physiologia Plantarum</i> , 1993 , 87, 177-186	4.6	17
155	Structural analysis of the <i>Rhizoctonia solani</i> agglutinin reveals a domain-swapping dimeric assembly. <i>FEBS Journal</i> , 2013 , 280, 1750-63	5.7	16

154	Comparative Study of Lectin Domains in Model Species: New Insights into Evolutionary Dynamics. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	16
153	<i>Nicotiana tabacum</i> agglutinin expression in response to different biotic challengers. <i>Arthropod-Plant Interactions</i> , 2009 , 3, 193-202	2.2	16
152	Lectin and proteoglycan histochemistry of feline pacinian corpuscles. <i>Journal of Histochemistry and Cytochemistry</i> , 2001 , 49, 19-28	3.4	16
151	Regulation of gelatinases in microglia and astrocyte cell cultures by plant lectins. <i>Glia</i> , 1999 , 27, 53-61	9	16
150	Xanthosoma sagittifolium tubers contain a lectin with two different types of carbohydrate-binding sites. <i>Journal of Biological Chemistry</i> , 1999 , 274, 33300-5	5.4	16
149	Molecular cloning of mannose-binding lectins from <i>Clivia miniata</i> . <i>Plant Molecular Biology</i> , 1994 , 24, 825-30	4.0	16
148	Garlic (<i>Allium sativum</i>) chitinases: characterization and molecular cloning. <i>Physiologia Plantarum</i> , 1993 , 87, 177-186	4.6	16
147	Genome-wide identification and domain organization of lectin domains in cucumber. <i>Plant Physiology and Biochemistry</i> , 2016 , 108, 165-176	5.4	16
146	Quantitation and localization of pospiviroids in aphids. <i>Journal of Virological Methods</i> , 2015 , 211, 51-4	2.6	15
145	Acute and chronic insecticidal activity of a new mannose-binding lectin from <i>Allium porrum</i> against <i>Acyrtosiphon pisum</i> via an artificial diet. <i>Canadian Entomologist</i> , 2009 , 141, 95-101	0.7	15
144	Isolation, characterization and molecular cloning of the bark lectins from <i>Maackia amurensis</i> . <i>Glycoconjugate Journal</i> , 1997 , 14, 449-56	3	15
143	Transcriptional behavior of EUL-related rice lectins toward important abiotic and biotic stresses. <i>Journal of Plant Physiology</i> , 2014 , 171, 986-92	3.6	14
142	Comparative analysis of carbohydrate binding properties of <i>Sambucus nigra</i> lectins and ribosome-inactivating proteins. <i>Glycoconjugate Journal</i> , 2014 , 31, 345-54	3	14
141	HIV-1 envelope trimer has similar binding characteristics for carbohydrate-binding agents as monomeric gp120. <i>FEBS Letters</i> , 2013 , 587, 860-6	3.8	14
140	Synergistic in vitro anti-HIV type 1 activity of tenofovir with carbohydrate-binding agents (CBAs). <i>Antiviral Research</i> , 2011 , 90, 200-4	10.8	14
139	The <i>Sclerotinia sclerotiorum</i> agglutinin represents a novel family of fungal lectins remotely related to the <i>Clostridium botulinum</i> non-toxin haemagglutinin HA33/A. <i>Glycoconjugate Journal</i> , 2007 , 24, 143-56	3	14
138	Comparative study of the post-translational processing of the mannose-binding lectins in the bulbs of garlic (<i>Allium sativum</i> L.) and ramsons (<i>Allium ursinum</i> L.). <i>Glycoconjugate Journal</i> , 1994 , 11, 309-20	3	14
137	Developmental changes and tissue distribution of lectin in <i>Tulipa</i> . <i>Planta</i> , 1989 , 178, 10-8	4.7	14

136	Targeting of T/Tn antigens with a plant lectin to kill human leukemia cells by photochemotherapy. <i>PLoS ONE</i> , 2011 , 6, e23315	3.7	14
135	Isolation, characterization, molecular cloning and molecular modelling of two lectins of different specificities from bluebell (<i>Scilla campanulata</i>) bulbs. <i>Biochemical Journal</i> , 1999 , 340 (Pt 1), 299-308	3.8	14
134	Evolutionary relationships and expression analysis of EUL domain proteins in rice (<i>Oryza sativa</i>). <i>Rice</i> , 2017 , 10, 26	5.8	13
133	Lectin histochemistry of human leukaemic mast cells (HMC-1) transplanted into severe combined immunodeficient (scid) mice. <i>Acta Histochemica</i> , 1998 , 100, 1-9	2	13
132	Cell-free expression and functionality analysis of the tobacco lectin. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2008 , 44, 228-35	2.6	13
131	Lectin histochemical investigations of the distal gut of chicks with special emphasis on the follicle-associated epithelium. <i>Transboundary and Emerging Diseases</i> , 2005 , 52, 138-46		13
130	Isolectin composition of individual clones of <i>Urtica dioica</i> : Evidence for phenotypic differences. <i>Physiologia Plantarum</i> , 1987 , 71, 328-334	4.6	13
129	Evolution of Plant Ribosome-Inactivating Proteins. <i>Plant Cell Monographs</i> , 2010 , 1-26	0.6	13
128	Glycan arrays to decipher the specificity of plant lectins. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 705, 757-67	3.6	13
127	Extensive Evolution of Cereal Ribosome-Inactivating Proteins Translates into Unique Structural Features, Activation Mechanisms, and Physiological Roles. <i>Toxins</i> , 2017 , 9,	4.9	12
126	Carbohydrate-binding agents act as potent trypanocidals that elicit modifications in VSG glycosylation and reduced virulence in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2013 , 90, 665-79	4.1	12
125	Lectin and proteoglycan histochemistry of Merkel cell carcinomas. <i>Experimental Dermatology</i> , 2001 , 10, 100-9	4	12
124	Purification, characterization, immunolocalization and structural analysis of the abundant cytoplasmic beta-amylase from <i>Calystegia sepium</i> (hedge bindweed) rhizomes. <i>FEBS Journal</i> , 2001 , 268, 6263-73		12
123	Lectin histochemistry of the spleen: a new lectin visualizes the stromal architecture of white pulp and the sinuses of red pulp. <i>Journal of Histochemistry and Cytochemistry</i> , 2000 , 48, 923-31	3.4	12
122	Developmental changes and tissue distribution of lectin in <i>Galanthus nivalis</i> L. and <i>Narcissus cv. Carlton</i> . <i>Planta</i> , 1990 , 182, 605-9	4.7	12
121	Biosynthesis of the Snowdrop (<i>Galanthus nivalis</i>) Lectin in Ripening Ovaries. <i>Plant Physiology</i> , 1988 , 86, 922-6	6.6	12
120	Lectins as tools to select for glycosylated proteins. <i>Methods in Molecular Biology</i> , 2011 , 753, 289-97	1.4	12
119	Ribosome-inactivating proteins from apple have strong aphicidal activity in artificial diet and in planta. <i>Crop Protection</i> , 2016 , 87, 19-24	2.7	12

118	Amaranthin-Like Proteins with Aerolysin Domains in Plants. <i>Frontiers in Plant Science</i> , 2017 , 8, 1368	6.2	11
117	Plant Glycobiology-a diverse world of lectins, glycoproteins, glycolipids and glycans. <i>Frontiers in Plant Science</i> , 2014 , 5, 604	6.2	11
116	Interaction of tomato lectin with ABC transporter in cancer cells: glycosylation confers functional conformation of P-gp. <i>Acta Histochemica</i> , 2009 , 111, 329-33	2	11
115	A complex fruit-specific type-2 ribosome-inactivating protein from elderberry (<i>Sambucus nigra</i>) is correctly processed and assembled in transgenic tobacco plants. <i>FEBS Journal</i> , 2002 , 269, 2897-906		11
114	Purification, crystallization and preliminary X-ray analysis of a mannose-binding lectin from bluebell (<i>Scilla campanulata</i>) bulbs. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1996 , 52, 1021-3		11
113	Ribosome Inactivating Proteins from Rosaceae. <i>Molecules</i> , 2016 , 21,	4.8	11
112	The N-glycome of the hemipteran pest insect <i>Nilaparvata lugens</i> reveals unexpected sex differences. <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 107, 39-45	4.5	10
111	The N-glycan profile of the peritrophic membrane in the Colorado potato beetle larva (<i>Leptinotarsa decemlineata</i>). <i>Journal of Insect Physiology</i> , 2019 , 115, 27-32	2.4	10
110	Exposure of <i>Trypanosoma brucei</i> to an N-acetylglucosamine-binding lectin induces VSG switching and glycosylation defects resulting in reduced infectivity. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003612	4.8	10
109	Man-Specific, GalNAc/T/Tn-Specific and Neu5Ac-Specific Seaweed Lectins as Glycan Probes for the SARS-CoV-2 (COVID-19) Coronavirus. <i>Marine Drugs</i> , 2020 , 18,	6	10
108	Distribution of Glycan Motifs at the Surface of Midgut Cells in the Cotton Leafworm () Demonstrated by Lectin Binding. <i>Frontiers in Physiology</i> , 2017 , 8, 1020	4.6	10
107	Expression analysis of a type S2 EUL-related lectin from rice in <i>Pichia pastoris</i> . <i>Glycoconjugate Journal</i> , 2012 , 29, 467-79	3	10
106	Inhibition of infection and transmission of HIV-1 and lack of significant impact on the vaginal commensal lactobacilli by carbohydrate-binding agents. <i>Journal of Antimicrobial Chemotherapy</i> , 2013 , 68, 2026-37	5.1	10
105	Jasmonate response of the <i>Nicotiana tabacum</i> agglutinin promoter in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 843-51	5.4	10
104	Lectin histochemistry of the lymphoid organs of the chicken. <i>Anatomy and Embryology</i> , 2003 , 207, 85-94		10
103	Lectin histochemistry of microvascular endothelium in chick and quail musculature. <i>Anatomy and Embryology</i> , 2001 , 204, 407-11		10
102	Laboratory study of the effects of leek lectin (APA) in transgenic tobacco plants on the development of cotton leafworm <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae). <i>European Journal of Entomology</i> , 2009 , 106, 21-28		10
101	10.1023/A:1003801120192 2011 ,		10

100	Ribosome-Inactivating Proteins: A Family of Plant Proteins That Do More Than Inactivate Ribosomes		10
99	Synthesis and biological roles of O-glycans in insects. <i>Glycoconjugate Journal</i> , 2020 , 37, 47-56	3	10
98	Molecular evolution of candidate male reproductive genes in the brown algal model <i>Ectocarpus</i> . <i>BMC Evolutionary Biology</i> , 2016 , 16, 5	3	9
97	Evolutionarily conserved and species-specific glycoproteins in the N-glycoproteomes of diverse insect species. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 100, 22-29	4.5	9
96	The Cytotoxicity of Elderberry Ribosome-Inactivating Proteins Is Not Solely Determined by Their Protein Translation Inhibition Activity. <i>PLoS ONE</i> , 2015 , 10, e0132389	3.7	9
95	Type-1 ribosome-inactivating protein from iris (<i>Iris hollandica</i> var. Professor Blaauw) binds specific genomic DNA fragments. <i>Biochemical Journal</i> , 2001 , 357, 875-880	3.8	9
94	Isolectins in <i>Narcissus</i> : complexity, inter- and intraspecies differences and developmental control. <i>Physiologia Plantarum</i> , 1990 , 79, 1-6	4.6	9
93	Evolution and structural diversification of Nictaba-like lectin genes in food crops with a focus on soybean (<i>Glycine max</i>). <i>Annals of Botany</i> , 2017 , 119, 901-914	4.1	8
92	OsEUL Lectin Gene Expression in Rice: Stress Regulation, Subcellular Localization and Tissue Specificity. <i>Frontiers in Plant Science</i> , 2020 , 11, 185	6.2	8
91	Nictaba Homologs from Are Involved in Plant Stress Responses. <i>Frontiers in Plant Science</i> , 2017 , 8, 2218	6.2	8
90	Introduction of tri-antennary N-glycans in <i>Arabidopsis thaliana</i> plants. <i>Plant Science</i> , 2012 , 185-186, 161-8.3	8.3	8
89	Identical homologs of the <i>Galanthus nivalis</i> agglutinin in <i>Zea mays</i> and <i>Fusarium verticillioides</i> . <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 46-54	5.4	8
88	Isolectins in <i>Narcissus</i> : complexity, inter- and intraspecies differences and developmental control. <i>Physiologia Plantarum</i> , 1990 , 79, 1-6	4.6	8
87	Are Dietary Lectins Relevant Allergens in Plant Food Allergy?. <i>Foods</i> , 2020 , 9,	4.9	8
86	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. <i>Cells</i> , 2021 , 10,	7.9	8
85	Transcriptional profiling of the lectin ArathEULS3 from <i>Arabidopsis thaliana</i> toward abiotic stresses. <i>Journal of Plant Physiology</i> , 2014 , 171, 1763-73	3.6	7
84	Toxicity, membrane binding and uptake of the <i>Sclerotinia sclerotiorum</i> agglutinin (SSA) in different insect cell lines. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017 , 53, 691-698	2.6	7
83	Characterization of a type D1A EUL-related lectin from rice expressed in <i>Pichia pastoris</i> . <i>Biological Chemistry</i> , 2014 , 395, 413-24	4.5	7

82	Mutational analysis of the carbohydrate-binding activity of the NeuAc(alpha-2,6)Gal/GalNAc-specific type 2 ribosome-inactivating protein from elderberry (<i>Sambucus nigra</i>) fruits. <i>Biochemical Journal</i> , 2002 , 364, 587-92	3.8	7
81	Lectin binding pattern and proteoglycan distribution in human eccrine sweat glands. <i>The Histochemical Journal</i> , 1999 , 31, 739-46		7
80	Thermodynamic analysis of chitooligosaccharide binding to <i>Urtica dioica</i> agglutinin by isothermal titration calorimetry. <i>Bioscience Reports</i> , 1999 , 19, 411-9	4.1	7
79	Homology modelling of the core domain of the endogenous lectin comitin: structural basis for its mannose-binding specificity. <i>Plant Molecular Biology</i> , 1999 , 39, 969-78	4.6	7
78	A novel tetrameric lectin from <i>Lycoris aurea</i> with four mannose binding sites per monomer.. <i>Acta Biochimica Polonica</i> , 2007 , 54, 159-166	2	7
77	A novel chicory fructanase can degrade common microbial fructan product profiles and displays positive cooperativity. <i>Journal of Experimental Botany</i> , 2021 ,	7	7
76	Natural Products: Plant Lectins as Important Tools in Controlling Pest Insects 2009 , 163-187		7
75	Induction of cytoplasmic mannose-binding jacalin-related lectins is a common phenomenon in cereals treated with jasmonate methyl ester. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2004 , 69, 23-31		7
74	Structural basis for carbohydrate binding properties of a plant chitinase-like agglutinin with conserved catalytic machinery. <i>Journal of Structural Biology</i> , 2015 , 190, 115-21	3.4	6
73	Arabidopsis Lectin EULS3 Is Involved in ABA Signaling in Roots. <i>Frontiers in Plant Science</i> , 2020 , 11, 437	6.2	6
72	The ArathEULS3 Lectin Ends up in Stress Granules and Can Follow an Unconventional Route for Secretion. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
71	Minimal processing of iceberg lettuce has no substantial influence on the survival, attachment and internalization of <i>E. coli</i> O157 and <i>Salmonella</i> . <i>International Journal of Food Microbiology</i> , 2016 , 238, 40-49	5.8	6
70	<i>Hevea brasiliensis</i> and <i>Urtica dioica</i> impact the in vitro mycorrhization of neighbouring <i>Medicago truncatula</i> seedlings. <i>Symbiosis</i> , 2013 , 60, 123-132	3	6
69	Comparative study of the phototoxicity of long-wavelength photosensitizers targeted by the MornigaG lectin. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1337-44	6.3	6
68	Improved sample preparation for CE-LIF analysis of plant N-glycans. <i>Electrophoresis</i> , 2011 , 32, 3482-90	3.6	6
67	Preparation of monospecific polyclonal antibodies against <i>Sambucus nigra</i> lectin related protein, a glycosylated plant protein. <i>Preparative Biochemistry and Biotechnology</i> , 2001 , 31, 209-16	2.4	6
66	Microenvironment of cysteine 242 in type-1 ribosome-inactivating protein from iris. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 275, 481-7	3.4	6
65	Isolation and cDNA cloning of an Em-like protein from mung bean (<i>Vigna radiata</i>) axes. <i>Physiologia Plantarum</i> , 1996 , 97, 524-530	4.6	6

64	Sweet Modifications Modulate Plant Development. <i>Biomolecules</i> , 2021 , 11,	5.9	6
63	Insecticidal activity of a protein extracted from bulbs of <i>Phycella australis</i> Ravenna against the aphids <i>Acyrtosiphon pisum</i> Harris and <i>Myzus persicae</i> Sulzer. <i>Chilean Journal of Agricultural Research</i> , 2016 , 76, 188-194	1.9	6
62	A novel tetrameric lectin from <i>Lycoris aurea</i> with four mannose binding sites per monomer. <i>Acta Biochimica Polonica</i> , 2007 , 54, 159-66	2	6
61	N-glycosylation Site Analysis Reveals Sex-related Differences in Protein N-glycosylation in the Rice Brown Planthopper (). <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 529-539	7.6	5
60	Promoter Analysis for Three Types of EUL-Related Rice Lectins in Transgenic Arabidopsis. <i>Plant Molecular Biology Reporter</i> , 2013 , 31, 1315-1324	1.7	5
59	Expression of ribosome-inactivating proteins from apple in tobacco plants results in enhanced resistance to <i>Spodoptera exigua</i> . <i>Journal of Asia-Pacific Entomology</i> , 2017 , 20, 1-5	1.4	5
58	Differential binding to glycotopes among the layers of three mammalian retinal neurons by man-containing N-linked glycan, T(alpha) (Galbeta1-3GalNAcalpha1-), Tn (GalNAcalpha1-Ser/Thr) and I (beta)/II (beta) (Galbeta1-3/4GlcNAcbeta-) reactive lectins. <i>Neurochemical Research</i> , 2006 , 31, 619-28	4.6	5
57	Type-1 ribosome-inactivating protein from iris (<i>Iris hollandica</i> var. Professor Blaauw) binds specific genomic DNA fragments. <i>Biochemical Journal</i> , 2001 , 357, 875-80	3.8	5
56	Analysis of lectin binding sites in the gut of hooded Lister rats with special emphasis on recently detected lectins. <i>Acta Histochemica</i> , 1993 , 94, 163-6	2	5
55	RNAi-Based Biocontrol Products: Market Status, Regulatory Aspects, and Risk Assessment. <i>Frontiers in Insect Science</i> , 1,		5
54	Ribosome-Inactivating Proteins: A Family of Plant Proteins That Do More Than Inactivate Ribosomes		5
53	Accelerated delivery of dsRNA in lepidopteran midgut cells by a <i>Galanthus nivalis</i> lectin (GNA)-dsRNA-binding domain fusion protein. <i>Pesticide Biochemistry and Physiology</i> , 2021 , 175, 104853	4.9	5
52	Morniga-G, a T/Tn-Specific Lectin, Induces Leukemic Cell Death via Caspase and DR5 Receptor-Dependent Pathways. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
51	Lewis A Glycans Are Present on Proteins Involved in Cell Wall Biosynthesis and Appear Evolutionarily Conserved Among Natural Accessions. <i>Frontiers in Plant Science</i> , 2021 , 12, 630891	6.2	5
50	Occurrence and Taxonomical Distribution of Ribosome-inactivating Proteins Belonging to the Ricin/Shiga Toxin Superfamily 2014 , 11-27		4
49	Lectin histochemistry of the rat lymph node: visualisation of stroma, blood vessels, sinuses, and macrophages. A contribution to the concept of an immune accessory role of sinus-lining endothelia. <i>Acta Histochemica</i> , 2002 , 104, 77-83	2	4
48	<i>Colchicum autumnale</i> agglutinin activates all murine T-lymphocytes but does not induce the proliferation of all activated cells. <i>Cellular Immunology</i> , 1996 , 172, 60-9	4.4	4
47	Molecular cloning of two classes of Em-like proteins from the seeds of the leguminous tree <i>Robinia pseudoacacia</i> . <i>Tree Physiology</i> , 1996 , 16, 841-5	4.2	4

46	Systematic Exploration of the Glycoproteome of the Beneficial Gut Isolate <i>Lactobacillus rhamnosus</i> GG. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2016 , 26, 345-58	0.9	4
45	35 years in plant lectin research: a journey from basic science to applications in agriculture and medicine. <i>Glycoconjugate Journal</i> , 2021 , 1	3	4
44	Lectin Sequence Distribution in QTLs from Rice (<i>Oryza sativa</i>) Suggest A Role in Morphological Traits and Stress Responses. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3
43	Structure and Activity of a Cytosolic Ribosome-Inactivating Protein from Rice. <i>Toxins</i> , 2019 , 11,	4.9	3
42	Novel natural and biomimetic ligands to enhance selectivity of membrane processes for solute-solute separations: beyond nature's logistic legacy. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 354-371	3.5	3
41	Genome-wide screening of <i>Oryza sativa</i> ssp. japonica and indica reveals a complex family of proteins with ribosome-inactivating protein domains. <i>Phytochemistry</i> , 2017 , 143, 87-97	4	3
40	Structure of an RNase-related protein from <i>Calystegia sepium</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002 , 58, 627-33		3
39	The lectin Oryzata induces phosphatase-mediated and carbohydrate-independent aggregation of insect cells. <i>Journal of Insect Physiology</i> , 2021 , 131, 104241	2.4	3
38	Characterization of the Carbohydrate-Binding Agents HHA, GNA, and UDA as Inhibitors of Influenza A and B Virus Replication. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	3
37	Glycotope structures and intramolecular affinity factors of plant lectins for Tn/T antigens. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 705, 143-54	3.6	3
36	Qualitative and quantitative analysis of the Nictaba promoter activity during development in <i>Nicotiana tabacum</i> . <i>Plant Physiology and Biochemistry</i> , 2013 , 67, 162-8	5.4	2
35	Intermolecular interaction studies using small volumes. <i>Magnetic Resonance in Chemistry</i> , 2011 , 49, 9-15	2.1	2
34	Seed Lectins 1999 , 657-683		2
33	RNAi-Mediated Silencing of Pgants Shows Core 1 Glycans Are Required for Pupation in. <i>Frontiers in Physiology</i> , 2021 , 12, 629682	4.6	2
32	Can Plant Lectins Help to Elucidate Insect Lectin-Mediated Immune Response?. <i>Insects</i> , 2021 , 12,	2.8	2
31	Overexpression of F-Box Nictaba Promotes Defense and Anthocyanin Accumulation in After Infection. <i>Frontiers in Plant Science</i> , 2021 , 12, 692606	6.2	2
30	Let's talk about sexes: sex-related N-glycosylation in ecologically important invertebrates. <i>Glycoconjugate Journal</i> , 2020 , 37, 41-46	3	2
29	Binding of Oryzata lectin induces an immune response in insect cells. <i>Insect Science</i> , 2021 ,	3.6	2

28	Confocal microscopy confirms the presumed cytoplasmic/nuclear location of plant, fish and fungal orthologs of the Galanthus nivalis agglutinin. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2006 , 71, 141-4		2
27	Plant AB Toxins with Lectin Domains. <i>Toxinology</i> , 2017 , 183-198	0	1
26	The OST-complex as target for RNAi-based pest control in Nilaparvata lugens. <i>Archives of Insect Biochemistry and Physiology</i> , 2019 , 101, e21555	2.3	1
25	Expression analysis of jasmonate-responsive lectins in plants. <i>Methods in Molecular Biology</i> , 2013 , 1011, 251-63	1.4	1
24	Crystallization and preliminary X-ray analysis of a novel plant lectin from Calystegia sepium. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1997 , 53, 220-1		1
23	Profile of Resistance of Human Immunodeficiency Virus to Mannose-Specific Plant Lectins. <i>Journal of Virology</i> , 2004 , 78, 12724-12724	6.6	1
22	A legume lectin from the bark of Robinia pseudoacacia crystallizes in two crystal forms: preliminary diffraction analyses. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000 , 56, 1638-40		1
21	Legume Lectins with Different Specificities as Potential Glycan Probes for Pathogenic Enveloped Viruses.. <i>Cells</i> , 2022 , 11,	7.9	1
20	Review: The multiple roles of plant lectins. <i>Plant Science</i> , 2021 , 313, 111096	5.3	1
19	Purification of GNA-Related Lectins from Natural Sources. <i>Methods in Molecular Biology</i> , 2020 , 2132, 413-419	1.4	1
18	Protection of rice against Nilaparvata lugens by direct toxicity of sodium selenate. <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 103, e21644	2.3	1
17	Involvement of OsRIP1, a ribosome-inactivating protein from rice, in plant defense against Nilaparvata lugens. <i>Phytochemistry</i> , 2020 , 170, 112190	4	1
16	Effect of RIP Overexpression on Abiotic Stress Tolerance and Development of Rice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
15	Improved heat stability of recombined evaporated milk emulsions by wet heat pretreatment of skim milk powder dispersions. <i>Food Hydrocolloids</i> , 2021 , 118, 106757	10.6	1
14	Bioassays for insecticidal activity of iris ribosome-inactivating proteins expressed in tobacco plants. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2006 , 71, 285-9		1
13	Updated Model of the Molecular Evolution of RIP Genes 2014 , 134-150		0
12	A Novel Lectin (Morniga M) from Mulberry (Morus nigra) Bark Recognizes Oligomannosyl Residues in N-Glycans. <i>Journal of Biomedical Science</i> , 2004 , 11, 874-885	13.3	0
11	Improved heat stability of recombined filled evaporated milk emulsions by wet heat pre-treatment of skim milk powder dispersions at different pH values. <i>LWT - Food Science and Technology</i> , 2022 , 154, 112739	5.4	0

10	The type-1 ribosome-inactivating protein OsRIP1 triggers caspase-independent apoptotic-like death in HeLa cells. <i>Food and Chemical Toxicology</i> , 2021 , 157, 112590	4.7	○
9	Glycosylation reduces the glycan-independent immunomodulatory effect of recombinant Oryzata lectin in Drosophila S2 cells. <i>Scientific Reports</i> , 2021 , 11, 17958	4.9	○
8	Use of cell cultures in vitro to assess the uptake of long dsRNA in plant cells. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 1	2.3	○
7	Antiproliferative activity of Dioclea violacea lectin in CaCO ₃ particles on cancer cells after controlled release. <i>Journal of Materials Science</i> , 2022 , 57, 8854-8868	4.3	○
6	Plant AB Toxins with Lectin Domains 2015 , 1-14		
5	????????????????????????????????????(EUL)?????????????????. <i>Kagaku To Seibutsu</i> , 2014 , 52, 643-645		○
4	Tomato Lectin 2008 , 165-192		
3	Effect of plant lectins on the host-finding behaviour of Radopholus similis. <i>Nematology</i> , 2003 , 5, 205-212.	0.9	
2	The crystals of a mannose-specific jacalin-related lectin from Morus nigra are merohedrally twinned. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001 , 57, 609-11		
1	Developmental O-glycan profile analysis shows pentasaccharide mucin-type O-glycans are linked with pupation of Tribolium castaneum. <i>Archives of Insect Biochemistry and Physiology</i> , 2021 , e21852	2.3	