Els Van Damme

List of Publications by Year in Descending Order

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	Legume Lectins with Different Specificities as Potential Glycan Probes for Pathogenic Enveloped Viruses.. *Cells*, **2022**, 11,	7.9	1
386	Improved heat stability of recombined filled evaporated milk emulsions by wet heat pre-treatment of skim milk powder dispersions at different pH values. *LWT - Food Science and Technology*, **2022**, 154, 112739	5.4	0
385	Antiproliferative activity of Dioclea violacea lectin in CaCO3 particles on cancer cells after controlled release. *Journal of Materials Science*, **2022**, 57, 8854-8868	4.3	0
384	Developmental O-glycan profile analysis shows pentasaccharide mucin-type O-glycans are linked with pupation of Tribolium castaneum. *Archives of Insect Biochemistry and Physiology*, **2021**, e21852	2.3	
383	Review: The multiple roles of plant lectins. *Plant Science*, **2021**, 313, 111096	5.3	1
382	A novel chicory fructanase can degrade common microbial fructan product profiles and displays positive cooperativity. *Journal of Experimental Botany*, **2021**,	7	7
381	RNAi-Mediated Silencing of Pgants Shows Core 1 Glycans Are Required for Pupation in. *Frontiers in Physiology*, **2021**, 12, 629682	4.6	2
380	Can Plant Lectins Help to Elucidate Insect Lectin-Mediated Immune Response?. *Insects*, **2021**, 12,	2.8	2
379	Sweet Modifications Modulate Plant Development. *Biomolecules*, **2021**, 11,	5.9	6
378	The lectin Orysata induces phosphatase-mediated and carbohydrate-independent aggregation of insect cells. *Journal of Insect Physiology*, **2021**, 131, 104241	2.4	3
377	Man-Specific Lectins from Plants, Fungi, Algae and Cyanobacteria, as Potential Blockers for SARS-CoV, MERS-CoV and SARS-CoV-2 (COVID-19) Coronaviruses: Biomedical Perspectives. *Cells*, **2021**, 10,	7.9	8
376	Accelerated delivery of dsRNA in lepidopteran midgut cells by a Galanthus nivalis lectin (GNA)-dsRNA-binding domain fusion protein. *Pesticide Biochemistry and Physiology*, **2021**, 175, 104853	4.9	5
375	Overexpression of F-Box Nictaba Promotes Defense and Anthocyanin Accumulation in After Infection. *Frontiers in Plant Science*, **2021**, 12, 692606	6.2	2
374	Characterization of the Carbohydrate-Binding Agents HHA, GNA, and UDA as Inhibitors of Influenza A and B Virus Replication. *Antimicrobial Agents and Chemotherapy*, **2021**, 65,	5.9	3
373	Effect of RIP Overexpression on Abiotic Stress Tolerance and Development of Rice. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
372	Lewis A Glycans Are Present on Proteins Involved in Cell Wall Biosynthesis and Appear Evolutionarily Conserved Among Natural Accessions. *Frontiers in Plant Science*, **2021**, 12, 630891	6.2	5
371	35 years in plant lectin research: a journey from basic science to applications in agriculture and medicine. *Glycoconjugate Journal*, **2021**, 1	3	4

370	Binding of Orysata lectin induces an immune response in insect cells. *Insect Science*, **2021**,	3.6	2
369	Improved heat stability of recombined evaporated milk emulsions by wet heat pretreatment of skim milk powder dispersions. *Food Hydrocolloids*, **2021**, 118, 106757	10.6	1
368	The type-1 ribosome-inactivating protein OsRIP1 triggers caspase-independent apoptotic-like death in HeLa cells. *Food and Chemical Toxicology*, **2021**, 157, 112590	4.7	0
367	Glycosylation reduces the glycan-independent immunomodulatory effect of recombinant Orysata lectin in Drosophila S2 cells. *Scientific Reports*, **2021**, 11, 17958	4.9	0
366	Man-Specific, GalNAc/T/Tn-Specific and Neu5Ac-Specific Seaweed Lectins as Glycan Probes for the SARS-CoV-2 (COVID-19) Coronavirus. *Marine Drugs*, **2020**, 18,	6	10
365	Arabidopsis Lectin EULS3 Is Involved in ABA Signaling in Roots. *Frontiers in Plant Science*, **2020**, 11, 437	6.2	6
364	N-glycosylation Site Analysis Reveals Sex-related Differences in Protein N-glycosylation in the Rice Brown Planthopper (). *Molecular and Cellular Proteomics*, **2020**, 19, 529-539	7.6	5
363	OsEUL Lectin Gene Expression in Rice: Stress Regulation, Subcellular Localization and Tissue Specificity. *Frontiers in Plant Science*, **2020**, 11, 185	6.2	8
362	The ArathEULS3 Lectin Ends up in Stress Granules and Can Follow an Unconventional Route for Secretion. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
361	Purification of GNA-Related Lectins from Natural Sources. *Methods in Molecular Biology*, **2020**, 2132, 413-419	1.4	1
360	Protection of rice against Nilaparvata lugens by direct toxicity of sodium selenate. *Archives of Insect Biochemistry and Physiology*, **2020**, 103, e21644	2.3	1
359	Involvement of OsRIP1, a ribosome-inactivating protein from rice, in plant defense against Nilaparvata lugens. *Phytochemistry*, **2020**, 170, 112190	4	1
358	Are Dietary Lectins Relevant Allergens in Plant Food Allergy?. *Foods*, **2020**, 9,	4.9	8
357	130 years of Plant Lectin Research. *Glycoconjugate Journal*, **2020**, 37, 533-551	3	32
356	Let talk about sexes: sex-related N-glycosylation in ecologically important invertebrates. *Glycoconjugate Journal*, **2020**, 37, 41-46	3	2
355	Synthesis and biological roles of O-glycans in insects. *Glycoconjugate Journal*, **2020**, 37, 47-56	3	10
354	The N-glycome of the hemipteran pest insect Nilaparvata lugens reveals unexpected sex differences. *Insect Biochemistry and Molecular Biology*, **2019**, 107, 39-45	4.5	10
353	Lectin Sequence Distribution in QTLs from Rice (Oryza sativa) Suggest A Role in Morphological Traits and Stress Responses. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3

352	Structure and Activity of a Cytosolic Ribosome-Inactivating Protein from Rice. *Toxins*, **2019**, 11,	4.9	3
351	The OST-complex as target for RNAi-based pest control in Nilaparvata lugens. *Archives of Insect Biochemistry and Physiology*, **2019**, 101, e21555	2.3	1
350	The N-glycan profile of the peritrophic membrane in the Colorado potato beetle larva (Leptinotarsa decemlineata). *Journal of Insect Physiology*, **2019**, 115, 27-32	2.4	10
349	Mannose-Specific Lectins from Marine Algae: Diverse Structural Scaffolds Associated to Common Virucidal and Anti-Cancer Properties. *Marine Drugs*, **2019**, 17,	6	23
348	Messages From the Past: New Insights in Plant Lectin Evolution. *Frontiers in Plant Science*, **2019**, 10, 36	6.2	19
347	Sodium Selenate Treatment Using a Combination of Seed Priming and Foliar Spray Alleviates Salinity Stress in Rice. *Frontiers in Plant Science*, **2019**, 10, 116	6.2	47
346	Morniga-G, a T/Tn-Specific Lectin, Induces Leukemic Cell Death via Caspase and DR5 Receptor-Dependent Pathways. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	5
345	Overview of the Structure?Function Relationships of Mannose-Specific Lectins from Plants, Algae and Fungi. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	32
344	Signaling through plant lectins: modulation of plant immunity and beyond. *Biochemical Society Transactions*, **2018**, 46, 217-233	5.1	38
343	Evolutionarily conserved and species-specific glycoproteins in the N-glycoproteomes of diverse insect species. *Insect Biochemistry and Molecular Biology*, **2018**, 100, 22-29	4.5	9
342	Diversity and functions of protein glycosylation in insects. *Insect Biochemistry and Molecular Biology* , **2017**, 83, 21-34	4.5	61
341	Evolution and structural diversification of Nictaba-like lectin genes in food crops with a focus on soybean (Glycine max). *Annals of Botany*, **2017**, 119, 901-914	4.1	8
340	Evolutionary relationships and expression analysis of EUL domain proteins in rice (Oryza sativa). *Rice*, **2017**, 10, 26	5.8	13
339	Plant AB Toxins with Lectin Domains. *Toxinology*, **2017**, 183-198	0	1
338	Nictaba Homologs from Are Involved in Plant Stress Responses. *Frontiers in Plant Science*, **2017**, 8, 2218	6.2	8
337	Genome-wide screening of Oryza sativa ssp. japonica and indica reveals a complex family of proteins with ribosome-inactivating protein domains. *Phytochemistry*, **2017**, 143, 87-97	4	3
336	Toxicity, membrane binding and uptake of the Sclerotinia sclerotiorum agglutinin (SSA) in different insect cell lines. *In Vitro Cellular and Developmental Biology - Animal*, **2017**, 53, 691-698	2.6	7
335	Expression of ribosome-inactivating proteins from apple in tobacco plants results in enhanced resistance to Spodoptera exigua. *Journal of Asia-Pacific Entomology*, **2017**, 20, 1-5	1.4	5

334	Genome-Wide Screening for Lectin Motifs in. *Plant Genome*, **2017**, 10, plantgenome2017.02.0010	4.4	20
333	Distribution of Glycan Motifs at the Surface of Midgut Cells in the Cotton Leafworm () Demonstrated by Lectin Binding. *Frontiers in Physiology*, **2017**, 8, 1020	4.6	10
332	Amaranthin-Like Proteins with Aerolysin Domains in Plants. *Frontiers in Plant Science*, **2017**, 8, 1368	6.2	11
331	Comparative Study of Lectin Domains in Model Species: New Insights into Evolutionary Dynamics. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	16
330	Extensive Evolution of Cereal Ribosome-Inactivating Proteins Translates into Unique Structural Features, Activation Mechanisms, and Physiological Roles. *Toxins*, **2017**, 9,	4.9	12
329	Plant Lectins Targeting O-Glycans at the Cell Surface as Tools for Cancer Diagnosis, Prognosis and Therapy. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	42
328	Minimal processing of iceberg lettuce has no substantial influence on the survival, attachment and internalization of E. coli O157 and Salmonella. *International Journal of Food Microbiology*, **2016**, 238, 40-49	5.8	6
327	High mannose-specific lectin Msl mediates key interactions of the vaginal Lactobacillus plantarum isolate CMPG5300. *Scientific Reports*, **2016**, 6, 37339	4.9	24
326	Molecular evolution of candidate male reproductive genes in the brown algal model Ectocarpus. *BMC Evolutionary Biology*, **2016**, 16, 5	3	9
325	Insecticidal activity of a protein extracted from bulbs of Phycella australis Ravenna against the aphids Acyrthosiphon pisum Harris and Myzus persicae Sulzer. *Chilean Journal of Agricultural Research*, **2016**, 76, 188-194	1.9	6
324	Ribosome Inactivating Proteins from Rosaceae. *Molecules*, **2016**, 21,	4.8	11
323	Glycan-binding F-box protein from Arabidopsis thaliana protects plants from Pseudomonas syringae infection. *BMC Plant Biology*, **2016**, 16, 213	5.3	30
322	Lectin-Like Molecules of Lactobacillus rhamnosus GG Inhibit Pathogenic Escherichia coli and Salmonella Biofilm Formation. *PLoS ONE*, **2016**, 11, e0161337	3.7	46
321	Overexpression of -Like Lectin Genes from Confers Tolerance toward Infection, Aphid Infestation and Salt Stress in Transgenic Plants. *Frontiers in Plant Science*, **2016**, 7, 1590	6.2	18
320	Systematic Exploration of the Glycoproteome of the Beneficial Gut Isolate Lactobacillus rhamnosus GG. *Journal of Molecular Microbiology and Biotechnology*, **2016**, 26, 345-58	0.9	4
319	Protein N-glycosylation and N-glycan trimming are required for postembryonic development of the pest beetle Tribolium castaneum. *Scientific Reports*, **2016**, 6, 35151	4.9	27
318	Ribosome-inactivating proteins from apple have strong aphicidal activity in artificial diet and in planta. *Crop Protection*, **2016**, 87, 19-24	2.7	12
317	Genome-wide identification and domain organization of lectin domains in cucumber. *Plant Physiology and Biochemistry*, **2016**, 108, 165-176	5.4	16

316	NICTABA and UDA, two GlcNAc-binding lectins with unique antiviral activity profiles. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 1674-85	5.1	23
315	Review/N-glycans: The making of a varied toolbox. *Plant Science*, **2015**, 239, 67-83	5.3	54
314	Exposure of Trypanosoma brucei to an N-acetylglucosamine-binding lectin induces VSG switching and glycosylation defects resulting in reduced infectivity. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003612	4.8	10
313	Structural basis for carbohydrate binding properties of a plant chitinase-like agglutinin with conserved catalytic machinery. *Journal of Structural Biology*, **2015**, 190, 115-21	3.4	6
312	Distribution and evolution of the lectin family in soybean (Glycine max). *Molecules*, **2015**, 20, 2868-91	4.8	24
311	The Arabidopsis lectin EULS3 is involved in stomatal closure. *Plant Science*, **2015**, 238, 312-22	5.3	22
310	Endogenous biotin-binding proteins: an overlooked factor causing false positives in streptavidin-based protein detection. *Microbial Biotechnology*, **2015**, 8, 164-8	6.3	23
309	Plant AB Toxins with Lectin Domains **2015**, 1-14		
308	Quantitation and localization of pospiviroids in aphids. *Journal of Virological Methods*, **2015**, 211, 51-4	2.6	15
307	Protein-carbohydrate interactions as part of plant defense and animal immunity. *Molecules*, **2015**, 20, 9029-53	4.8	63
306	The tobacco lectin, prototype of the family of Nictaba-related proteins. *Current Protein and Peptide Science*, **2015**, 16, 5-16	2.8	21
305	The Cytotoxicity of Elderberry Ribosome-Inactivating Proteins Is Not Solely Determined by Their Protein Translation Inhibition Activity. *PLoS ONE*, **2015**, 10, e0132389	3.7	9
304	Toxic proteins in plants. *Phytochemistry*, **2015**, 117, 51-64	4	67
303	Plant F-box Proteins Judges between Life and Death. *Critical Reviews in Plant Sciences*, **2015**, 34, 523-552	5.6	34
302	Transcriptional behavior of EUL-related rice lectins toward important abiotic and biotic stresses. *Journal of Plant Physiology*, **2014**, 171, 986-92	3.6	14
301	Occurrence and Taxonomical Distribution of Ribosome-inactivating Proteins Belonging to the Ricin/Shiga Toxin Superfamily **2014**, 11-27		4
300	Updated Model of the Molecular Evolution of RIP Genes **2014**, 134-150		0
299	Novel natural and biomimetic ligands to enhance selectivity of membrane processes for solute-solute separations: beyond nature logistic legacy. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 354-371	3.5	3

298	Cell cycle-dependent O-GlcNAc modification of tobacco histones and their interaction with the tobacco lectin. *Plant Physiology and Biochemistry*, **2014**, 83, 151-8	5.4	17
297	Transcriptional profiling of the lectin ArathEULS3 from Arabidopsis thaliana toward abiotic stresses. *Journal of Plant Physiology*, **2014**, 171, 1763-73	3.6	7
296	Penetration through the peritrophic matrix is a key to lectin toxicity against Tribolium castaneum. *Journal of Insect Physiology*, **2014**, 70, 94-101	2.4	34
295	In vivo interaction between the tobacco lectin and the core histone proteins. *Journal of Plant Physiology*, **2014**, 171, 1149-56	3.6	18
294	Comparative analysis of carbohydrate binding properties of Sambucus nigra lectins and ribosome-inactivating proteins. *Glycoconjugate Journal*, **2014**, 31, 345-54	3	14
293	Orysata, a jacalin-related lectin from rice, could protect plants against biting-chewing and piercing-sucking insects. *Plant Science*, **2014**, 221-222, 21-8	5.3	31
292	?????????????????????? ????????(EUL)?????????????. *Kagaku To Seibutsu*, **2014**, 52, 643-645	0	
291	Plant Glycobiology-a diverse world of lectins, glycoproteins, glycolipids and glycans. *Frontiers in Plant Science*, **2014**, 5, 604	6.2	11
290	Lectin domains at the frontiers of plant defense. *Frontiers in Plant Science*, **2014**, 5, 397	6.2	146
289	Characterization of a type D1A EUL-related lectin from rice expressed in Pichia pastoris. *Biological Chemistry*, **2014**, 395, 413-24	4.5	7
288	History of plant lectin research. *Methods in Molecular Biology*, **2014**, 1200, 3-13	1.4	34
287	Hevea brasiliensis and Urtica dioica impact the in vitro mycorrhization of neighbouring Medicago truncatula seedlings. *Symbiosis*, **2013**, 60, 123-132	3	6
286	Promoter Analysis for Three Types of EUL-Related Rice Lectins in Transgenic Arabidopsis. *Plant Molecular Biology Reporter*, **2013**, 31, 1315-1324	1.7	5
285	High entomotoxicity and mechanism of the fungal GalNAc/Gal-specific Rhizoctonia solani lectin in pest insects. *Journal of Insect Physiology*, **2013**, 59, 295-305	2.4	29
284	Uncovering the genetic basis for early isogamete differentiation: a case study of Ectocarpus siliculosus. *BMC Genomics*, **2013**, 14, 909	4.5	21
283	Structural analysis of the Rhizoctonia solani agglutinin reveals a domain-swapping dimeric assembly. *FEBS Journal*, **2013**, 280, 1750-63	5.7	16
282	HIV-1 envelope trimer has similar binding characteristics for carbohydrate-binding agents as monomeric gp120. *FEBS Letters*, **2013**, 587, 860-6	3.8	14
281	Expression analysis of jasmonate-responsive lectins in plants. *Methods in Molecular Biology*, **2013**, 1011, 251-63	1.4	1

280	Carbohydrate-binding agents act as potent trypanocidals that elicit modifications in VSG glycosylation and reduced virulence in Trypanosoma brucei. *Molecular Microbiology*, **2013**, 90, 665-79	4.1	12
279	Qualitative and quantitative analysis of the Nictaba promoter activity during development in Nicotiana tabacum. *Plant Physiology and Biochemistry*, **2013**, 67, 162-8	5.4	2
278	Inhibition of infection and transmission of HIV-1 and lack of significant impact on the vaginal commensal lactobacilli by carbohydrate-binding agents. *Journal of Antimicrobial Chemotherapy*, **2013**, 68, 2026-37	5.1	10
277	Novel cellulose and polyamide halochromic textile sensors based on the encapsulation of Methyl Red into a sol□gel matrix. *Sensors and Actuators B: Chemical*, **2012**, 162, 27-34	8.5	67
276	Biologically active, magnICON□ -expressed EPO-Fc from stably transformed Nicotiana benthamiana plants presenting tetra-antennary N-glycan structures. *Journal of Biotechnology*, **2012**, 160, 242-50	3.7	18
275	Expression analysis of a type S2 EUL-related lectin from rice in Pichia pastoris. *Glycoconjugate Journal*, **2012**, 29, 467-79	3	10
274	Arabidopsis F-box protein containing a Nictaba-related lectin domain interacts with N-acetyllactosamine structures. *FEBS Open Bio*, **2012**, 2, 151-8	2.7	25
273	Introduction of tri-antennary N-glycans in Arabidopsis thaliana plants. *Plant Science*, **2012**, 185-186, 161-8	3.3	8
272	Mechanism of entomotoxicity of the plant lectin from Hippeastrum hybrid (Amaryllis) in Spodoptera littoralis larvae. *Journal of Insect Physiology*, **2012**, 58, 1177-83	2.4	18
271	Production of Plant Made Pharmaceuticals: From Plant Host to Functional Protein. *Critical Reviews in Plant Sciences*, **2012**, 31, 148-180	5.6	22
270	GalNAc/Gal-binding Rhizoctonia solani agglutinin has antiproliferative activity in Drosophila melanogaster S2 cells via MAPK and JAK/STAT signaling. *PLoS ONE*, **2012**, 7, e33680	3.7	19
269	The major secreted protein Msp1/p75 is O-glycosylated in Lactobacillus rhamnosus GG. *Microbial Cell Factories*, **2012**, 11, 15	6.4	53
268	Promiscuity of the euonymus carbohydrate-binding domain. *Biomolecules*, **2012**, 2, 415-34	5.9	22
267	Comparative study of the phototoxicity of long-wavelength photosensitizers targeted by the MornigaG lectin. *Bioconjugate Chemistry*, **2011**, 22, 1337-44	6.3	6
266	Lectin activity of the nucleocytoplasmic EUL protein from Arabidopsis thaliana. *Biochemical and Biophysical Research Communications*, **2011**, 414, 101-5	3.4	23
265	Expression analysis of the nucleocytoplasmic lectin @rysataQfrom rice in Pichia pastoris. *FEBS Journal*, **2011**, 278, 2064-79	5.7	25
264	Morniga G: a plant lectin as an endocytic ligand for photosensitizer molecule targeting toward tumor-associated T/Tn antigens. *Photochemistry and Photobiology*, **2011**, 87, 370-7	3.6	18
263	Plant lectins as defense proteins against phytophagous insects. *Phytochemistry*, **2011**, 72, 1538-50	4	223

262	Synergistic in vitro anti-HIV type 1 activity of tenofovir with carbohydrate-binding agents (CBAs). *Antiviral Research*, **2011**, 90, 200-4	10.8	14
261	Identical homologs of the Galanthus nivalis agglutinin in Zea mays and Fusarium verticillioides. *Plant Physiology and Biochemistry*, **2011**, 49, 46-54	5.4	8
260	Differences in the mannose oligomer specificities of the closely related lectins from Galanthus nivalis and Zea mays strongly determine their eventual anti-HIV activity. *Retrovirology*, **2011**, 8, 10	3.6	22
259	Intermolecular interaction studies using small volumes. *Magnetic Resonance in Chemistry*, **2011**, 49, 9-15	2.1	2
258	Improved sample preparation for CE-LIF analysis of plant N-glycans. *Electrophoresis*, **2011**, 32, 3482-90	3.6	6
257	Internalization of Sambucus nigra agglutinins I and II in insect midgut CF-203 cells. *Archives of Insect Biochemistry and Physiology*, **2011**, 76, 211-22	2.3	19
256	Interaction of the tobacco lectin with histone proteins. *Plant Physiology*, **2011**, 155, 1091-102	6.6	40
255	Jasmonate response of the Nicotiana tabacum agglutinin promoter in Arabidopsis thaliana. *Plant Physiology and Biochemistry*, **2011**, 49, 843-51	5.4	10
254	Production of complex multiantennary N-glycans in Nicotiana benthamiana plants. *Plant Physiology*, **2011**, 155, 1103-12	6.6	45
253	Diversity in protein glycosylation among insect species. *PLoS ONE*, **2011**, 6, e16682	3.7	50
252	Targeting of T/Tn antigens with a plant lectin to kill human leukemia cells by photochemotherapy. *PLoS ONE*, **2011**, 6, e23315	3.7	14
251	Lectins as tools to select for glycosylated proteins. *Methods in Molecular Biology*, **2011**, 753, 289-97	1.4	12
250	10.1023/A:1003801120192 **2011**,		10
249	Glycan arrays to decipher the specificity of plant lectins. *Advances in Experimental Medicine and Biology*, **2011**, 705, 757-67	3.6	13
248	Glycotope structures and intramolecular affinity factors of plant lectins for Tn/T antigens. *Advances in Experimental Medicine and Biology*, **2011**, 705, 143-54	3.6	3
247	Nicotiana tabacum agglutinin is active against Lepidopteran pest insects. *Journal of Experimental Botany*, **2010**, 61, 1003-14	7	33
246	Glycosylation signatures in Drosophila: fishing with lectins. *Journal of Proteome Research*, **2010**, 9, 3235-42	5.6	29
245	Entomotoxic effects of fungal lectin from Rhizoctonia solani towards Spodoptera littoralis. *Fungal Biology*, **2010**, 114, 34-40	2.8	32

244	Insecticidal properties of Sclerotinia sclerotiorum agglutinin and its interaction with insect tissues and cells. *Insect Biochemistry and Molecular Biology*, **2010**, 40, 883-90	4.5	40
243	Crystal structure of the GalNAc/Gal-specific agglutinin from the phytopathogenic ascomycete Sclerotinia sclerotiorum reveals novel adaptation of a beta-trefoil domain. *Journal of Molecular Biology*, **2010**, 400, 715-23	6.5	29
242	Nucleocytoplasmic plant lectins. *Biochimica Et Biophysica Acta - General Subjects*, **2010**, 1800, 190-201	4	85
241	Mutational analysis of the carbohydrate binding activity of the tobacco lectin. *Glycoconjugate Journal*, **2010**, 27, 613-23	3	18
240	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, 1101-7	2.4	35
239	Plant-insect interactions: what can we learn from plant lectins?. *Archives of Insect Biochemistry and Physiology*, **2010**, 73, 193-212	2.3	91
238	Entomotoxic action of Sambucus nigra agglutinin I in Acyrthosiphon pisum aphids and Spodoptera exigua caterpillars through caspase-3-like-dependent apoptosis. *Archives of Insect Biochemistry and Physiology*, **2010**, 75, 207-20	2.3	28
237	Evolution of Plant Ribosome-Inactivating Proteins. *Plant Cell Monographs*, **2010**, 1-26	0.6	13
236	Acute and chronic insecticidal activity of a new mannose-binding lectin from Allium porrum against Acyrthosiphon pisum via an artificial diet. *Canadian Entomologist*, **2009**, 141, 95-101	0.7	15
235	Spodoptera littoralis-induced lectin expression in tobacco. *Plant and Cell Physiology*, **2009**, 50, 1142-55	4.9	39
234	Two structurally identical mannose-specific jacalin-related lectins display different effects on human T lymphocyte activation and cell death. *Journal of Leukocyte Biology*, **2009**, 86, 103-14	6.5	20
233	Nebrodeolysin, a novel hemolytic protein from mushroom Pleurotus nebrodensis with apoptosis-inducing and anti-HIV-1 effects. *Phytomedicine*, **2009**, 16, 198-205	6.5	46
232	Bioinformatics analyses of the mannose-binding lectins from Polygonatum cyrtonema, Ophiopogon japonicus and Liparis noversa with antiproliferative and apoptosis-inducing activities. *Phytomedicine*, **2009**, 16, 601-8	6.5	35
231	Proteins with an Euonymus lectin-like domain are ubiquitous in Embryophyta. *BMC Plant Biology*, **2009**, 9, 136	5.3	30
230	Expression of Sambucus nigra agglutinin (SNA-I) from elderberry bark in transgenic tobacco plants results in enhanced resistance to different insect species. *Transgenic Research*, **2009**, 18, 249-59	3.3	51
229	Structural basis for sugar recognition, including the Tn carcinoma antigen, by the lectin SNA-II from Sambucus nigra. *Proteins: Structure, Function and Bioinformatics*, **2009**, 75, 89-103	4.2	28
228	Related lectins from snowdrop and maize differ in their carbohydrate-binding specificity. *Biochemical and Biophysical Research Communications*, **2009**, 380, 260-5	3.4	38
227	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. *Molecular Immunology*, **2009**, 46, 1595-604	4.3	54

226	Interaction of tomato lectin with ABC transporter in cancer cells: glycosylation confers functional conformation of P-gp. *Acta Histochemica*, **2009**, 111, 329-33	2	11
225	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	2	65
224	Nicotiana tabacum agglutinin expression in response to different biotic challengers. *Arthropod-Plant Interactions*, **2009**, 3, 193-202	2.2	16
223	Laboratory study of the effects of leek lectin (APA) in transgenic tobacco plants on the development of cotton leafworm Spodoptera littoralis (Lepidoptera: Noctuidae). *European Journal of Entomology*, **2009**, 106, 21-28		10
222	Natural Products: Plant Lectins as Important Tools in Controlling Pest Insects **2009**, 163-187		7
221	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. *Virology*, **2008**, 370, 382-91	3.6	30
220	Plant Lectins. *Advances in Botanical Research*, **2008**, 107-209	2.2	178
219	Plant Lectins as Part of the Plant Defense System Against Insects **2008**, 285-307		20
218	The "old" Euonymus europaeus agglutinin represents a novel family of ubiquitous plant proteins. *Plant Physiology*, **2008**, 147, 1316-24	6.6	34
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