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List of Publications by Year in descending order

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537
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623734

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docs citations

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493
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis for the Carbohydrate Recognition of the <i>Sclerotium rolfsii</i> Lectin. <i>Journal of Molecular Biology</i> , 2007, 368, 1145-1161.	4.2	40
2	Immunolocalization and functional role of <i>Sclerotium rolfsii</i> lectin in development of fungus by interaction with its endogenous receptor. <i>Glycobiology</i> , 2004, 14, 951-957.	2.5	34
3	Carbohydrate specificity of a lectin isolated from the fungus <i>Sclerotium rolfsii</i> . <i>Life Sciences</i> , 2001, 69, 2039-2050.	4.3	29
4	Purification, characterization and molecular cloning of a monocot mannose-binding lectin from <i>Remusatia vivipara</i> with nematicidal activity. <i>Glycoconjugate Journal</i> , 2010, 27, 309-320.	2.7	27
5	A potent mitogenic lectin from the mycelia of a phytopathogenic fungus, <i>Rhizoctonia bataticola</i> , with complex sugar specificity and cytotoxic effect on human ovarian cancer cells. <i>Glycoconjugate Journal</i> , 2010, 27, 375-386.	2.7	27
6	<i>Sclerotium rolfsii</i> Lectin Induces Stronger Inhibition of Proliferation in Human Breast Cancer Cells than Normal Human Mammary Epithelial Cells by Induction of Cell Apoptosis. <i>PLoS ONE</i> , 2014, 9, e110107.	2.5	27
7	The TF-antigen binding lectin from <i>Sclerotium rolfsii</i> inhibits growth of human colon cancer cells by inducing apoptosis in vitro and suppresses tumor growth in vivo. <i>Glycobiology</i> , 2012, 22, 1227-1235.	2.5	26
8	High mannose N-glycan binding lectin from <i>Remusatia vivipara</i> (RVL) limits cell growth, motility and invasiveness of human breast cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 654-665.	5.6	22
9	Purification and Characterization of a Mitogenic Lectin from <i>Cephalosporium</i> , a Pathogenic Fungus Causing Mycotic Keratitis. <i>Biochemistry Research International</i> , 2010, 2010, 1-6.	3.3	21
10	<i>Rhizoctonia bataticola</i> lectin (RBL) induces mitogenesis and cytokine production in human PBMC via p38 MAPK and STAT-5 signaling pathways. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1268-1275.	2.4	20
11	Exquisite binding specificity of <i>Sclerotium rolfsii</i> lectin toward TF-related O-linked mucin-type glycans. <i>Glycoconjugate Journal</i> , 2011, 28, 49-56.	2.7	19
12	Exquisite specificity of mitogenic lectin from <i>Cephalosporium curvulum</i> to core fucosylated N-glycans. <i>Glycoconjugate Journal</i> , 2016, 33, 19-28.	2.7	19
13	Crystal structure of a β -prism II lectin from <i>Remusatia vivipara</i> . <i>Glycobiology</i> , 2012, 22, 56-69.	2.5	18
14	<i>Sclerotium rolfsii</i> lectin exerts insecticidal activity on <i>Spodoptera litura</i> larvae by binding to membrane proteins of midgut epithelial cells and triggering caspase-3-dependent apoptosis. <i>Toxicon</i> , 2014, 78, 47-57.	1.6	15
15	In vitro human gastro-intestinal enzyme digestibility of globulin isolate from oil palm (<i>Elaeis</i>) Tj ETQq1 1 0.784314 $\frac{1}{36}$ /Overlock 10		
16	Mitogenic lectins from <i>Cephalosporium curvulum</i> (CSL) and <i>Aspergillus oryzae</i> (AOL) mediate host-pathogen interactions leading to mycotic keratitis. <i>Molecular and Cellular Biochemistry</i> , 2017, 434, 209-219.	3.1	15
17	An overview of lectin-glycan interactions: a key event in initiating fungal infection and pathogenesis. <i>Archives of Microbiology</i> , 2018, 200, 371-382.	2.2	15
18	Potent insect gut binding lectin from <i>Sclerotium rolfsii</i> impart resistance to sucking and chewing type insects in cotton. <i>Journal of Biotechnology</i> , 2018, 278, 20-27.	3.8	14

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19	Molecular Cloning, Carbohydrate Specificity and the Crystal Structure of Two Sclerotium rolfsii Lectin Variants. <i>Molecules</i> , 2015, 20, 10848-10865.	3.8	12
20	A mitogenic lectin from <i>Rhizoctonia bataticola</i> arrests growth, inhibits metastasis, and induces apoptosis in human colon epithelial cancer cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 5632-5645.	2.6	12
21	Purification, characterization and biological significance of mannose binding lectin from <i>Dioscorea bulbifera</i> bulbils. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 1146-1155.	7.5	11
22	A lectin with anti-microbial and anti proliferative activities from <i>Lantana camara</i> , a medicinal plant. <i>Protein Expression and Purification</i> , 2020, 170, 105574.	1.3	11
23	<i>Rhizoctonia Bataticola</i> Lectin (RBL) Induces Caspase-8-Mediated Apoptosis in Human T-Cell Leukemia Cell Lines but Not in Normal CD3 and CD34 Positive Cells. <i>PLoS ONE</i> , 2013, 8, e79311.	2.5	11
24	<i>Rhizoctonia bataticola</i> lectin (RBL) induces phenotypic and functional characteristics of macrophages in THP-1 cells and human monocytes. <i>Immunology Letters</i> , 2015, 163, 163-172.	2.5	10
25	Molecular mechanism of anticancer effect of <i>Sclerotium rolfsii</i> lectin in HT29 cells involves differential expression of genes associated with multiple signaling pathways: A microarray analysis. <i>Glycobiology</i> , 2015, 25, 1375-1391.	2.5	9
26	An L-fucose specific lectin from <i>Aspergillus niger</i> isolated from mycotic keratitis patient and its interaction with human pancreatic adenocarcinoma PANC-1 cells. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 487-497.	7.5	8
27	Investigation of TF-binding lectins from dietary sources and SRL on proliferation and cell cycle progression in human colon HT29 and SW620 cells. <i>Nutrition and Cancer</i> , 2019, 71, 634-642.	2.0	6
28	Crystallization and preliminary X-ray crystallographic analysis of <i>Sclerotium rolfsii</i> lectin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 363-365.	2.5	5
29	Pharmacokinetics, biodistribution and antitumour effects of <i>Sclerotium rolfsii</i> lectin in mice. <i>Oncology Reports</i> , 2017, 37, 2803-2810.	2.6	5
30	Efficacy studies of <i>Sclerotium rolfsii</i> lectin on breast cancer using NOD SCID mouse model. <i>Chemical Biology and Drug Design</i> , 2018, 92, 1488-1496.	3.2	5
31	A core fucose specific lectin from <i>Cephalosporium curvulum</i> induces cellular apoptosis in hepatocellular and pancreatic cancer cells and effective in detecting AFP. <i>Glycoconjugate Journal</i> , 2020, 37, 435-444.	2.7	5
32	CD45-mediated signaling pathway is involved in <i>Rhizoctonia bataticola</i> lectin (RBL)-induced proliferation and Th1/Th2 cytokine secretion in human PBMC. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 708-714.	2.1	4
33	<i>Sclerotium rolfsii</i> lectin expressed in tobacco confers protection against <i>Spodoptera litura</i> and <i>Myzus persicae</i> . <i>Journal of Pest Science</i> , 2016, 89, 591-602.	3.7	4
34	Purification, characterization and fine sugar specificity of a N-Acetylgalactosamine specific lectin from <i>Adenia hondala</i> . <i>Glycoconjugate Journal</i> , 2018, 35, 511-523.	2.7	4
35	<i>Cephalosporium curvulum</i> lectin causes mycotic keratitis by initiating infection through MyD88 dependent cellular proliferation and apoptosis in human corneal epithelial cells. <i>Glycoconjugate Journal</i> , 2021, 38, 509-516.	2.7	3
36	A modified method for purification of N-acetylgalactosamine specific lectin from <i>Butea monosperma</i> seeds and its effect on human hepatocellular carcinoma cell growth. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 397-404.	1.7	2

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37	Sclerotium rolfsii lectin induces opposite effects on normal PBMCs and leukemic Molt-4 cells by recognising TF antigen and its variants as receptors. Glycoconjugate Journal, 2020, 37, 251-261.	2.7	2
38	Aspergillus niger lectin elicits MyD88 dependent proliferation and apoptosis at lower and higher doses in immortalized human corneal epithelial cells leading to pathogenesis. International Journal of Biological Macromolecules, 2020, 165, 2089-2095.	7.5	2
39	The fucoseâ€specific lectin ANL from Aspergillus niger possesses antiâ€cancer activity by inducing the intrinsic apoptosis pathway in hepatocellular and colon cancer cells. Cell Biochemistry and Function, 2021, 39, 401-412.	2.9	2
40	A Polylectosamine Specific Lectin from Adenia hondala Induces Apoptosis and Necrosis in Human Epithelial Colon Cancer HT-29 Cells. Protein and Peptide Letters, 2021, 28, 1108-1114.	0.9	1
41	Rhizoctonia bataticola lectin induces apoptosis and inhibits metastasis in ovarian cancer cells by interacting with CA 125 antigen differentially expressed on ovarian cells. Glycoconjugate Journal, 2021, , 1.	2.7	0