

Shashikala R Inamdar

List of Publications by Year in descending order

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41
papers

537
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623734

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times ranked

493
citing authors

#	ARTICLE	IF	CITATIONS
1	The fucose-specific lectin ANL from <i>Aspergillus niger</i> possesses anti-cancer activity by inducing the intrinsic apoptosis pathway in hepatocellular and colon cancer cells. <i>Cell Biochemistry and Function</i> , 2021, 39, 401-412.	2.9	2
2	A Polylectosamine Specific Lectin from <i>Adenia hondala</i> Induces Apoptosis and Necrosis in Human Epithelial Colon Cancer HT-29 Cells. <i>Protein and Peptide Letters</i> , 2021, 28, 1108-1114.	0.9	1
3	<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
4	<i>Rhizoctonia bataticola</i> lectin induces apoptosis and inhibits metastasis in ovarian cancer cells by interacting with CA 125 antigen differentially expressed on ovarian cells. <i>Glycoconjugate Journal</i> , 2021, , 1.	2.7	0
5	<i>Sclerotium rolfsii</i> lectin induces opposite effects on normal PBMCs and leukemic Molt-4 cells by recognising TF antigen and its variants as receptors. <i>Glycoconjugate Journal</i> , 2020, 37, 251-261.	2.7	2
6	<i>Aspergillus niger</i> lectin elicits MyD88 dependent proliferation and apoptosis at lower and higher doses in immortalized human corneal epithelial cells leading to pathogenesis. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2089-2095.	7.5	2
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	Pharmacokinetics, biodistribution and antitumour effects of <i>Sclerotium rolfsii</i> lectin in mice. <i>Oncology Reports</i> , 2017, 37, 2803-2810.	2.6	5
21	<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
22	In vitro human gastro-intestinal enzyme digestibility of globulin isolate from oil palm (<i>Elaeis</i>) Tj ETQq0 0 0 rgBT /Ovgrlock 10 Tf 50 622 T	3.6	15
23	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
24	Molecular Cloning, Carbohydrate Specificity and the Crystal Structure of Two <i>Sclerotium rolfsii</i> Lectin Variants. <i>Molecules</i> , 2015, 20, 10848-10865.	3.8	12
25	<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
26	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
27	<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
28	<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
29	<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
30	Crystal structure of a $\hat{2}$ -prism II lectin from <i>Remusatia vivipara</i> . <i>Glycobiology</i> , 2012, 22, 56-69.	2.5	18
31	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
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	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
34	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
35	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
36	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

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37	Rhizoctonia bataticola lectin (RBL) induces mitogenesis and cytokine production in human PBMC via p38 MAPK and STAT-5 signaling pathways. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 1268-1275.	2.4	20
38	Structural Basis for the Carbohydrate Recognition of the Sclerotium rolfsii Lectin. Journal of Molecular Biology, 2007, 368, 1145-1161.	4.2	40
39	Immunolocalization and functional role of Sclerotium rolfsii lectin in development of fungus by interaction with its endogenous receptor. Glycobiology, 2004, 14, 951-957.	2.5	34
40	Crystallization and preliminary X-ray crystallographic analysis of Sclerotium rolfsii lectin. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 363-365.	2.5	5
41	Carbohydrate specificity of a lectin isolated from the fungus Sclerotium rolfsii. Life Sciences, 2001, 69, 2039-2050.	4.3	29