

annick Barre

List of Publications by Citations

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

38
papers

1,538
citations

22
h-index

39
g-index

40
ext. papers

1,690
ext. citations

5.1
avg, IF

4.09
L-index

#	Paper	IF	Citations
38	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
37	Cytoplasmic/nuclear plant lectins: a new story. <i>Trends in Plant Science</i> , 2004 , 9, 484-9	13.1	132
36	Mannose-binding plant lectins: different structural scaffolds for a common sugar-recognition process. <i>Biochimie</i> , 2001 , 83, 645-51	4.6	130
35	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
34	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
33	<i>Helianthus tuberosus</i> lectin reveals a widespread scaffold for mannose-binding lectins. <i>Structure</i> , 1999 , 7, 1473-82	5.2	95
32	Vicilin allergens of peanut and tree nuts (walnut, hazelnut and cashew nut) share structurally related IgE-binding epitopes. <i>Molecular Immunology</i> , 2008 , 45, 1231-40	4.3	83
31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	Expression of Jug r 1, the 2S albumin allergen from walnut (<i>Juglans regia</i>), as a correctly folded and functional recombinant protein. <i>Peptides</i> , 2009 , 30, 1213-21	3.8	29

21	Characterization of IgE-binding epitopes of peanut (<i>Arachis hypogaea</i>) PNA lectin allergen cross-reacting with other structurally related legume lectins. <i>Molecular Immunology</i> , 2010 , 47, 2359-66	4.3	27
20	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
19	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
18	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
17	A lectin and a lectin-related protein are the two most prominent proteins in the bark of yellow wood (<i>Cladrastis lutea</i>). <i>Plant Molecular Biology</i> , 1995 , 29, 579-98	4.6	23
16	Artocarpin is a polyspecific jacalin-related lectin with a monosaccharide preference for mannose. <i>Biochimie</i> , 2004 , 86, 685-91	4.6	22
15	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
14	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
13	Mutational analysis of the carbohydrate binding activity of the tobacco lectin. <i>Glycoconjugate Journal</i> , 2010 , 27, 613-23	3	18
12	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
11	Insights into the Allergenic Potential of the Edible Yellow Mealworm (). <i>Foods</i> , 2019 , 8,	4.9	14
10	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
9	Are Dietary Lectins Relevant Allergens in Plant Food Allergy?. <i>Foods</i> , 2020 , 9,	4.9	8
8	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
7	A Proteomic- and Bioinformatic-Based Identification of Specific Allergens from Edible Insects: Probes for Future Detection as Food Ingredients. <i>Foods</i> , 2021 , 10,	4.9	8
6	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
5	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
4	IgE-Binding Epitopes of Pis v 1, Pis v 2 and Pis v 3, the Pistachio (<i>Pistacia vera</i>) Seed Allergens. <i>Allergies</i> , 2021 , 1, 63-91	0	4

3	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
2	Targeting Glycosylation Aberrations to Improve the Efficiency of Cancer Phototherapy. <i>Current Cancer Drug Targets</i> , 2019 , 19, 349-359	2.8	2
1	Legume Lectins with Different Specificities as Potential Glycan Probes for Pathogenic Enveloped Viruses.. <i>Cells</i> , 2022 , 11,	7.9	1