

annick Barre

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,861
citations

279487

23
h-index

288905

40
g-index

40
all docs

40
docs citations

40
times ranked

1855
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and characterization of a jacalin-related mannose-binding lectin from salt-stressed rice (<i>Oryza sativa</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 152	1.6	152
2	Mannose-binding plant lectins: Different structural scaffolds for a common sugar-recognition process. <i>Biochimie</i> , 2001, 83, 645-651.	1.3	149
3	Cytoplasmic/nuclear plant lectins: a new story. <i>Trends in Plant Science</i> , 2004, 9, 484-489.	4.3	142
4	Structural basis for the unusual carbohydrate-binding specificity of jacalin towards galactose and mannose. <i>Biochemical Journal</i> , 2002, 364, 173-180.	1.7	138
5	Jasmonate methyl ester induces the synthesis of a cytoplasmic/nuclear chitoooligosaccharide-binding lectin in tobacco leaves. <i>FASEB Journal</i> , 2002, 16, 905-907.	0.2	113
6	<i>Helianthus tuberosus</i> lectin reveals a widespread scaffold for mannose-binding lectins. <i>Structure</i> , 1999, 7, 1473-1482.	1.6	107
7	Vicilin allergens of peanut and tree nuts (walnut, hazelnut and cashew nut) share structurally related IgE-binding epitopes. <i>Molecular Immunology</i> , 2008, 45, 1231-1240.	1.0	100
8	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, 128-137.	0.2	88
9	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, 757-769.	2.3	71
10	Classification of Plant Lectins in Families Of Structurally and Evolutionary Related Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2001, 491, 27-54.	0.8	69
11	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, 1232.	1.8	68
12	The Crystal Structure of the <i>Calystegia sepium</i> Agglutinin Reveals a Novel Quaternary Arrangement of Lectin Subunits with a β^2 -Prism Fold. <i>Journal of Biological Chemistry</i> , 2004, 279, 527-533.	1.6	54
13	Overview of the Structure-Function Relationships of Mannose-Specific Lectins from Plants, Algae and Fungi. <i>International Journal of Molecular Sciences</i> , 2019, 20, 254.	1.8	48
14	Mannose-Specific Lectins from Marine Algae: Diverse Structural Scaffolds Associated to Common Virucidal and Anti-Cancer Properties. <i>Marine Drugs</i> , 2019, 17, 440.	2.2	45
15	Iris Bulbs Express Type 1 and Type 2 Ribosome-Inactivating Proteins with Unusual Properties. <i>Plant Physiology</i> , 2001, 125, 866-876.	2.3	41
16	Cloning and characterization of a monocot mannose-binding lectin from <i>Crocus vernus</i> (family) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 37	0.2	37
17	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, 1213-1221.	1.2	35
18	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, 3725-3732.	2.2	32

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19	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, 2359-2366.	1.0	32
20	Molecular cloning of the lectin and a lectin-related protein from common Solomon's seal (<i>Polygonatum multiflorum</i>). <i>Plant Molecular Biology</i> , 1996, 31, 657-672.	2.0	30
21	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, 1619.	1.8	26
22	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, 579-598.	2.0	25
23	The Liverwort Contains a Lectin That Is Structurally and Evolutionary Related to the Monocot Mannose-Binding Lectins. <i>Plant Physiology</i> , 2002, 129, 1054-1065.	2.3	25
24	Mutational analysis of the carbohydrate binding activity of the tobacco lectin. <i>Glycoconjugate Journal</i> , 2010, 27, 613-623.	1.4	24
25	Artocarpin is a polyspecific jacalin-related lectin with a monosaccharide preference for mannose. <i>Biochimie</i> , 2004, 86, 685-691.	1.3	22
26	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, 103-114.	1.5	22
27	Insights into the Allergenic Potential of the Edible Yellow Mealworm (<i>Tenebrio molitor</i>). <i>Foods</i> , 2019, 8, 515.	1.9	20
28	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, 370-377.	1.3	18
29	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, 543.	2.2	17
30	A Proteomic- and Bioinformatic-Based Identification of Specific Allergens from Edible Insects: Probes for Future Detection as Food Ingredients. <i>Foods</i> , 2021, 10, 280.	1.9	17
31	Targeting of T/Tn Antigens with a Plant Lectin to Kill Human Leukemia Cells by Photochemotherapy. <i>PLoS ONE</i> , 2011, 6, e23315.	1.1	17
32	Are Dietary Lectins Relevant Allergens in Plant Food Allergy?. <i>Foods</i> , 2020, 9, 1724.	1.9	15
33	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, 230.	1.8	12
34	Legume Lectins with Different Specificities as Potential Glycan Probes for Pathogenic Enveloped Viruses. <i>Cells</i> , 2022, 11, 339.	1.8	10
35	How Do Point Mutations Enhancing the Basic Character of the RBDs of SARS-CoV-2 Variants Affect Their Transmissibility and Infectivity Capacities?. <i>Viruses</i> , 2022, 14, 783.	1.5	9
36	Comparative Study of the Phototoxicity of Long-Wavelength Photosensitizers Targeted by the MornigaG Lectin. <i>Bioconjugate Chemistry</i> , 2011, 22, 1337-1344.	1.8	7

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37	Glycotope Structures and Intramolecular Affinity Factors of Plant Lectins for Tn/T Antigens. <i>Advances in Experimental Medicine and Biology</i> , 2011, 705, 143-154.	0.8	7
38	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.	0.5	6
39	Targeting Glycosylation Aberrations to Improve the Efficiency of Cancer Phototherapy. <i>Current Cancer Drug Targets</i> , 2019, 19, 349-359.	0.8	6
40	The T/Tn-Specific Helix pomatia Lectin Induces Cell Death in Lymphoma Cells Negative for T/Tn Antigens. <i>Cancers</i> , 2021, 13, 4356.	1.7	5