annick Barre

List of Publications by Year
in descending order

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40	1,861	279701	289141
papers	citations	23 h-index	40 g-index

40	40	40	1855
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isolation and characterization of a jacalin-related mannose-binding lectin from salt-stressed rice () Tj ETQq1 1 0.784314 rgBT /Overloc	1.6	152
2	Mannose-binding plant lectins: Different structural scaffolds for a common sugar-recognition process. Biochimie, 2001, 83, 645-651.	1.3	149
3	Cytoplasmic/nuclear plant lectins: a new story. Trends in Plant Science, 2004, 9, 484-489.	4.3	142
4	Structural basis for the unusual carbohydrate-binding specificity of jacalin towards galactose and mannose. Biochemical Journal, 2002, 364, 173-180.	1.7	138
5	Jasmonate methyl ester induces the synthesis of a cytoplasmic/nuclear chitooligosaccharideâ€binding lectin in tobacco leaves. FASEB Journal, 2002, 16, 905-907.	0.2	113
6	Helianthus tuberosus lectin reveals a widespread scaffold for mannose-binding lectins. Structure, 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. Molecular Immunology, 2008, 45, 1231-1240.	1.0	100
8	The NeuAc(alpha-2,6)-Gal/GalNAc-Binding Lectin from Elderberry (Sambucus Nigra) Bark, a type-2 Ribosome-Inactivating Protein with an Unusual Specificity and Structure. FEBS Journal, 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. Plant Physiology, 2002, 130, 757-769.	2.3	71
10	Classification of Plant Lectins in Families Of Structurally and Evolutionary Related Proteins. Advances in Experimental Medicine and Biology, 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. International Journal of Molecular Sciences, 2017, 18, 1232.	1.8	68
12	The Crystal Structure of the Calystegia sepium Agglutinin Reveals a Novel Quaternary Arrangement of Lectin Subunits with a Î²-Prism Fold. Journal of Biological Chemistry, 2004, 279, 527-533.	1.6	54
13	Overview of the Structureâ€“Function Relationships of Mannose-Specific Lectins from Plants, Algae and Fungi. International Journal of Molecular Sciences, 2019, 20, 254.	1.8	48
14	Mannose-Specific Lectins from Marine Algae: Diverse Structural Scaffolds Associated to Common Virucidal and Anti-Cancer Properties. Marine Drugs, 2019, 17, 440.	2.2	45
15	Iris Bulbs Express Type 1 and Type 2 Ribosome-Inactivating Proteins with Unusual Properties. Plant Physiology, 2001, 125, 866-876.	2.3	41
16	Cloning and characterization of a monocot mannose-binding lectin from Crocusâ€ƒvernus (family) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	37
17	Expression of Jug r 1, the 2S albumin allergen from walnut (Juglans regia), as a correctly folded and functional recombinant protein. Peptides, 2009, 30, 1213-1221.	1.2	35
18	Structural analysis of the jacalin-related lectin MornigaM from the black mulberry (Morus nigra) in complex with mannose. FEBS Journal, 2005, 272, 3725-3732.	2.2	32

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19	Characterization of IgE-binding epitopes of peanut (Arachis hypogaea) PNA lectin allergen cross-reacting with other structurally related legume lectins. Molecular Immunology, 2010, 47, 2359-2366.	1.0	32
20	Molecular cloning of the lectin and a lectin-related protein from common Solomon's seal (Polygonatum multiflorum). Plant Molecular Biology, 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. Cells, 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 (Cladrastis lutea).. Plant Molecular Biology, 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. Plant Physiology, 2002, 129, 1054-1065.	2.3	25
24	Mutational analysis of the carbohydrate binding activity of the tobacco lectin. Glycoconjugate Journal, 2010, 27, 613-623.	1.4	24
25	Artocarpin is a polyspecific jacalin-related lectin with a monosaccharide preference for mannose. Biochimie, 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. Journal of Leukocyte Biology, 2009, 86, 103-114.	1.5	22
27	Insights into the Allergenic Potential of the Edible Yellow Mealworm (Tenebrio molitor). Foods, 2019, 8, 515.	1.9	20
28	Morniga G: A Plant Lectin as an Endocytic Ligand for Photosensitizer Molecule Targeting Toward Tumorâ€Associated T/Tn Antigens. Photochemistry and Photobiology, 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. Marine Drugs, 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. Foods, 2021, 10, 280.	1.9	17
31	Targeting of T/Tn Antigens with a Plant Lectin to Kill Human Leukemia Cells by Photochemotherapy. PLoS ONE, 2011, 6, e23315.	1.1	17
32	Are Dietary Lectins Relevant Allergens in Plant Food Allergy?. Foods, 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. International Journal of Molecular Sciences, 2019, 20, 230.	1.8	12
34	Legume Lectins with Different Specificities as Potential Glycan Probes for Pathogenic Enveloped Viruses. Cells, 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?. Viruses, 2022, 14, 783.	1.5	9
36	Comparative Study of the Phototoxicity of Long-Wavelength Photosensitizers Targeted by the MornigaG Lectin. Bioconjugate Chemistry, 2011, 22, 1337-1344.	1.8	7

#	ARTICLE	IF	CITATIONS
37	Glycotope Structures and Intramolecular Affinity Factors of Plant Lectins for Tn/T Antigens. Advances in Experimental Medicine and Biology, 2011, 705, 143-154.	0.8	7
38	IgE-Binding Epitopes of Pis v 1, Pis v 2 and Pis v 3, the Pistachio (Pistacia vera) Seed Allergens. Allergies, 2021, 1, 63-91.	0.5	6
39	Targeting Glycosylation Aberrations to Improve the Efficiency of Cancer Phototherapy. Current Cancer Drug Targets, 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. Cancers, 2021, 13, 4356.	1.7	5