

Maureen E Taylor

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1581238/maureen-e-taylor-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

75
papers

5,088
citations

35
h-index

71
g-index

76
ext. papers

5,554
ext. citations

5.8
avg. IF

5.55
L-index

#	Paper	IF	Citations
75	The C-type lectin superfamily in the immune system. <i>Immunological Reviews</i> , 1998 , 163, 19-34	11.3	865
74	Biology of animal lectins. <i>Annual Review of Cell Biology</i> , 1993 , 9, 237-64		642
73	Structural basis for distinct ligand-binding and targeting properties of the receptors DC-SIGN and DC-SIGNR. <i>Nature Structural and Molecular Biology</i> , 2004 , 11, 591-8	17.6	475
72	Recent insights into structures and functions of C-type lectins in the immune system. <i>Current Opinion in Structural Biology</i> , 2015 , 34, 26-34	8.1	147
71	Evolving views of protein glycosylation. <i>Trends in Biochemical Sciences</i> , 1998 , 23, 321-4	10.3	146
70	Characterization of carbohydrate recognition by langerin, a C-type lectin of Langerhans cells. <i>Glycobiology</i> , 2003 , 13, 401-10	5.8	134
69	Widely divergent biochemical properties of the complete set of mouse DC-SIGN-related proteins. <i>Journal of Biological Chemistry</i> , 2006 , 281, 20440-9	5.4	132
68	Two categories of mammalian galactose-binding receptors distinguished by glycan array profiling. <i>Glycobiology</i> , 2006 , 16, 1C-7C	5.8	120
67	Oligolysine-based oligosaccharide clusters: selective recognition and endocytosis by the mannose receptor and dendritic cell-specific intercellular adhesion molecule 3 (ICAM-3)-grabbing nonintegrin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23922-9	5.4	101
66	C-type lectin Langerin is a beta-glucan receptor on human Langerhans cells that recognizes opportunistic and pathogenic fungi. <i>Molecular Immunology</i> , 2010 , 47, 1216-25	4.3	98
65	Paradigms for glycan-binding receptors in cell adhesion. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 572-7	9	94
64	Structure of a C-type carbohydrate recognition domain from the macrophage mannose receptor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 21539-48	5.4	93
63	Structural basis for langerin recognition of diverse pathogen and mammalian glycans through a single binding site. <i>Journal of Molecular Biology</i> , 2011 , 405, 1027-39	6.5	90
62	A murine DC-SIGN homologue contributes to early host defense against Mycobacterium tuberculosis. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2205-20	16.6	88
61	Mechanism for recognition of an unusual mycobacterial glycolipid by the macrophage receptor mincle. <i>Journal of Biological Chemistry</i> , 2013 , 288, 28457-65	5.4	85
60	A novel mechanism for LSEctin binding to Ebola virus surface glycoprotein through truncated glycans. <i>Journal of Biological Chemistry</i> , 2008 , 283, 593-602	5.4	77
59	Structural insights into what glycan arrays tell us about how glycan-binding proteins interact with their ligands. <i>Glycobiology</i> , 2009 , 19, 1155-62	5.8	76

58	Mechanism of Ca ²⁺ and monosaccharide binding to a C-type carbohydrate-recognition domain of the macrophage mannose receptor. <i>Journal of Biological Chemistry</i> , 1997 , 272, 5668-81	5.4	75
57	Collagen binding by the mannose receptor mediated through the fibronectin type II domain. <i>Biochemical Journal</i> , 2006 , 395, 579-86	3.8	73
56	Herpes simplex virus type 2 enhances HIV-1 susceptibility by affecting Langerhans cell function. <i>Journal of Immunology</i> , 2010 , 185, 1633-41	5.3	62
55	Characterization of sugar binding by the mannose receptor family member, Endo180. <i>Journal of Biological Chemistry</i> , 2002 , 277, 50469-75	5.4	61
54	Selective binding of the scavenger receptor C-type lectin to Lewisx trisaccharide and related glycan ligands. <i>Journal of Biological Chemistry</i> , 2005 , 280, 22993-9	5.4	60
53	Targeted glycoproteomic identification of cancer cell glycosylation. <i>Glycobiology</i> , 2009 , 19, 899-909	5.8	56
52	Glycan arrays for functional glycomics. <i>Genome Biology</i> , 2002 , 3, REVIEWS1034	18.3	56
51	Trimeric structure of langerin. <i>Journal of Biological Chemistry</i> , 2010 , 285, 13285-93	5.4	54
50	Insights into Interactions of Mycobacteria with the Host Innate Immune System from a Novel Array of Synthetic Mycobacterial Glycans. <i>ACS Chemical Biology</i> , 2017 , 12, 2990-3002	4.9	52
49	Convergent and divergent mechanisms of sugar recognition across kingdoms. <i>Current Opinion in Structural Biology</i> , 2014 , 28, 14-22	8.1	50
48	Binding-site geometry and flexibility in DC-SIGN demonstrated with surface force measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11524-9	11.5	50
47	Mechanism of pathogen recognition by human dectin-2. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13403-13414	5.4	46
46	Scavenger receptor C-type lectin binds to the leukocyte cell surface glycan Lewis(x) by a novel mechanism. <i>Journal of Biological Chemistry</i> , 2007 , 282, 17250-8	5.4	46
45	Common polymorphisms in human langerin change specificity for glycan ligands. <i>Journal of Biological Chemistry</i> , 2013 , 288, 36762-71	5.4	43
44	Lewis x antigen mediates adhesion of human breast carcinoma cells to activated endothelium. Possible involvement of the endothelial scavenger receptor C-type lectin. <i>Breast Cancer Research and Treatment</i> , 2007 , 101, 161-74	4.4	42
43	An extended conformation of the macrophage mannose receptor. <i>Journal of Biological Chemistry</i> , 2001 , 276, 14759-66	5.4	40
42	Binding Sites for Acylated Trehalose Analogs of Glycolipid Ligands on an Extended Carbohydrate Recognition Domain of the Macrophage Receptor Mincle. <i>Journal of Biological Chemistry</i> , 2016 , 291, 21222-21233	5.4	37
41	Defining the conformation of human mincle that interacts with mycobacterial trehalose dimycolate. <i>Glycobiology</i> , 2014 , 24, 1291-300	5.8	37

40	Organization of the extracellular portion of the macrophage galactose receptor: a trimeric cluster of simple binding sites for N-acetylgalactosamine. <i>Glycobiology</i> , 2013 , 23, 853-64	5.8	35
39	Orientation of sugars bound to the principal C-type carbohydrate-recognition domain of the macrophage mannose receptor. <i>Biochemical Journal</i> , 1998 , 333 (Pt 3), 601-8	3.8	32
38	Multiple interactions between pituitary hormones and the mannose receptor. <i>Biochemical Journal</i> , 1999 , 343, 403-411	3.8	31
37	Structure and function of the macrophage mannose receptor. <i>Results and Problems in Cell Differentiation</i> , 2001 , 33, 105-21	1.4	31
36	Identification of neutrophil granule glycoproteins as Lewis(x)-containing ligands cleared by the scavenger receptor C-type lectin. <i>Journal of Biological Chemistry</i> , 2011 , 286, 24336-49	5.4	30
35	Recognition of complex carbohydrates by the macrophage mannose receptor. <i>Biochemical Society Transactions</i> , 1993 , 21, 468-73	5.1	29
34	Autonomous tetramerization domains in the glycan-binding receptors DC-SIGN and DC-SIGNR. <i>Journal of Molecular Biology</i> , 2009 , 387, 1075-80	6.5	28
33	Polymorphisms in human langerin affect stability and sugar binding activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15450-6	5.4	27
32	Structure-function analysis of C-type animal lectins. <i>Methods in Enzymology</i> , 2003 , 363, 3-16	1.7	25
31	Mouse LSECtin as a model for a human Ebola virus receptor. <i>Glycobiology</i> , 2011 , 21, 806-12	5.8	24
30	A Novel Mechanism for Binding of Galactose-terminated Glycans by the C-type Carbohydrate Recognition Domain in Blood Dendritic Cell Antigen 2. <i>Journal of Biological Chemistry</i> , 2015 , 290, 16759-71	5.4	23
29	Mutz-3-derived Langerhans cells are a model to study HIV-1 transmission and potential inhibitors. <i>Journal of Leukocyte Biology</i> , 2010 , 87, 637-43	6.5	23
28	Identification of novel contributions to high-affinity glycoprotein-receptor interactions using engineered ligands. <i>Journal of Molecular Biology</i> , 2010 , 396, 685-96	6.5	23
27	Segmented helical structure of the neck region of the glycan-binding receptor DC-SIGNR. <i>Journal of Molecular Biology</i> , 2009 , 394, 613-20	6.5	23
26	Carbohydrate-binding proteins of human serum: isolation of two mannose/fucose-specific lectins. <i>BBA - Proteins and Proteomics</i> , 1987 , 915, 60-7		22
25	Evolution of a family of receptors containing multiple C-type carbohydrate-recognition domains. <i>Glycobiology</i> , 1997 , 7, v-viii	5.8	21
24	Prolectin, a glycan-binding receptor on dividing B cells in germinal centers. <i>Journal of Biological Chemistry</i> , 2009 , 284, 18537-44	5.4	20
23	Structural analysis of carbohydrate binding by the macrophage mannose receptor CD206. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100368	5.4	20

22	Complex encounters at the macrophage-mycobacterium interface: studies on the role of the mannose receptor and CD14 in experimental infection models with <i>Mycobacterium avium</i> . <i>Immunobiology</i> , 2001 , 204, 558-71	3.4	19
21	Mammalian sugar-binding receptors: known functions and unexplored roles. <i>FEBS Journal</i> , 2019 , 286, 1800-1814	5.7	17
20	Mouse mincle: characterization as a model for human mincle and evolutionary implications. <i>Molecules</i> , 2015 , 20, 6670-82	4.8	16
19	All but the shortest polymorphic forms of the viral receptor DC-SIGNR assemble into stable homo- and heterotetramers. <i>Journal of Biological Chemistry</i> , 2006 , 281, 16794-8	5.4	16
18	The mannose receptor fails to enhance processing and presentation of a glycoprotein antigen in transfected fibroblasts. <i>Glycobiology</i> , 2004 , 14, 7C-12C	5.8	16
17	Glycoproteomic characterization of carriers of the CD15/Lewisx epitope on Hodgkin & Reed-Sternberg cells. <i>BMC Biochemistry</i> , 2011 , 12, 13	4.8	14
16	Identification of lectins from genomic sequence data. <i>Methods in Enzymology</i> , 2003 , 362, 560-7	1.7	14
15	Uptake and processing of glycoproteins by isolated rat hepatic endothelial and Kupffer cells. <i>Journal of Hepatology</i> , 1990 , 10, 211-6	13.4	13
14	Geometry and adhesion of extracellular domains of DC-SIGNR neck length variants analyzed by force-distance measurements. <i>Biochemistry</i> , 2011 , 50, 6125-32	3.2	12
13	Mammalian mannose-binding proteins. <i>Clinical Science</i> , 1986 , 70, 539-46	6.5	11
12	Human serum contains a lectin which inhibits hepatic uptake of glycoproteins. <i>FEBS Letters</i> , 1984 , 173, 63-6	3.8	11
11	Engineered carbohydrate-recognition domains for glycoproteomic analysis of cell surface glycosylation and ligands for glycan-binding receptors. <i>Methods in Enzymology</i> , 2010 , 480, 165-79	1.7	9
10	Multiple interactions between pituitary hormones and the mannose receptor. <i>Biochemical Journal</i> , 1999 , 343, 403	3.8	9
9	CD23 is a glycan-binding receptor in some mammalian species. <i>Journal of Biological Chemistry</i> , 2019 , 294, 14845-14859	5.4	8
8	Oligomerization domains in the glycan-binding receptors DC-SIGN and DC-SIGNR: Sequence variation and stability differences. <i>Protein Science</i> , 2017 , 26, 306-316	6.3	7
7	Expression and purification of the cytoplasmic tail of an endocytic receptor by fusion to a carbohydrate-recognition domain. <i>Protein Expression and Purification</i> , 1992 , 3, 308-12	2	6
6	Absence of a human ortholog of rodent Kupffer cell galactose-binding receptor encoded by the CLEC4f gene. <i>Glycobiology</i> , 2019 , 29, 332-345	5.8	5
5	Mammalian lectin arrays for screening host-microbe interactions. <i>Journal of Biological Chemistry</i> , 2020 , 295, 4541-4555	5.4	4

4	Identification of serum glycoprotein ligands for the immunomodulatory receptor blood dendritic cell antigen 2. <i>Glycobiology</i> , 2018 , 28, 592-600	5.8	3
3	The effects of diabetes and insulin on glycoprotein metabolism by rat liver. <i>Journal of Hepatology</i> , 1985 , 1, 629-38	13.4	2
2	C-Type Lectin Family: Overview 2015 , 1015-1020		2
1	Overview of the C-Type Lectin Family 2014 , 1-6		1