Maureen E Taylor

List of Publications by Year in Descending Order

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	Structural analysis of carbohydrate binding by the macrophage mannose receptor CD206. *Journal of Biological Chemistry*, **2021**, 296, 100368	5.4	20
74	Mammalian lectin arrays for screening host-microbe interactions. *Journal of Biological Chemistry*, **2020**, 295, 4541-4555	5.4	4
73	Absence of a human ortholog of rodent Kupffer cell galactose-binding receptor encoded by the CLEC4f gene. *Glycobiology*, **2019**, 29, 332-345	5.8	5
72	Mammalian sugar-binding receptors: known functions and unexplored roles. *FEBS Journal*, **2019**, 286, 1800-1814	5.7	17
71	CD23 is a glycan-binding receptor in some mammalian species. *Journal of Biological Chemistry*, **2019** , 294, 14845-14859	5.4	8
70	Identification of serum glycoprotein ligands for the immunomodulatory receptor blood dendritic cell antigen 2. *Glycobiology*, **2018**, 28, 592-600	5.8	3
69	Insights into Interactions of Mycobacteria with the Host Innate Immune System from a Novel Array of Synthetic Mycobacterial Glycans. *ACS Chemical Biology*, **2017**, 12, 2990-3002	4.9	52
68	Mechanism of pathogen recognition by human dectin-2. *Journal of Biological Chemistry*, **2017**, 292, 13402-13414	5.4	46
67	Oligomerization domains in the glycan-binding receptors DC-SIGN and DC-SIGNR: Sequence variation and stability differences. *Protein Science*, **2017**, 26, 306-316	6.3	7
66	Binding Sites for Acylated Trehalose Analogs of Glycolipid Ligands on an Extended Carbohydrate Recognition Domain of the Macrophage Receptor Mincle. *Journal of Biological Chemistry*, **2016**, 291, 21222-21233	5.4	37
65	Recent insights into structures and functions of C-type lectins in the immune system. *Current Opinion in Structural Biology*, **2015**, 34, 26-34	8.1	147
64	A Novel Mechanism for Binding of Galactose-terminated Glycans by the C-type Carbohydrate Recognition Domain in Blood Dendritic Cell Antigen 2. *Journal of Biological Chemistry*, **2015**, 290, 16759-71	5.4	23
63	Mouse mincle: characterization as a model for human mincle and evolutionary implications. *Molecules*, **2015**, 20, 6670-82	4.8	16
62	C-Type Lectin Family: Overview **2015**, 1015-1020		2
61	Convergent and divergent mechanisms of sugar recognition across kingdoms. *Current Opinion in Structural Biology*, **2014**, 28, 14-22	8.1	50
60	Defining the conformation of human mincle that interacts with mycobacterial trehalose dimycolate. *Glycobiology*, **2014**, 24, 1291-300	5.8	37
59	Overview of the C-Type Lectin Family **2014**, 1-6		1

58	Common polymorphisms in human langerin change specificity for glycan ligands. *Journal of Biological Chemistry*, **2013**, 288, 36762-71	5.4	43
57	Organization of the extracellular portion of the macrophage galactose receptor: a trimeric cluster of simple binding sites for N-acetylgalactosamine. *Glycobiology*, **2013**, 23, 853-64	5.8	35
56	Mechanism for recognition of an unusual mycobacterial glycolipid by the macrophage receptor mincle. *Journal of Biological Chemistry*, **2013**, 288, 28457-65	5.4	85
55	Structural basis for langerin recognition of diverse pathogen and mammalian glycans through a single binding site. *Journal of Molecular Biology*, **2011**, 405, 1027-39	6.5	90
54	Glycoproteomic characterization of carriers of the CD15/Lewisx epitope on Hodgkin's Reed-Sternberg cells. *BMC Biochemistry*, **2011**, 12, 13	4.8	14
53	Geometry and adhesion of extracellular domains of DC-SIGNR neck length variants analyzed by force-distance measurements. *Biochemistry*, **2011**, 50, 6125-32	3.2	12
52	Identification of neutrophil granule glycoproteins as Lewis(x)-containing ligands cleared by the scavenger receptor C-type lectin. *Journal of Biological Chemistry*, **2011**, 286, 24336-49	5.4	30
51	Mouse LSECtin as a model for a human Ebola virus receptor. *Glycobiology*, **2011**, 21, 806-12	5.8	24
50	Trimeric structure of langerin. *Journal of Biological Chemistry*, **2010**, 285, 13285-93	5.4	54
49	Mutz-3-derived Langerhans cells are a model to study HIV-1 transmission and potential inhibitors. *Journal of Leukocyte Biology*, **2010**, 87, 637-43	6.5	23
48	Herpes simplex virus type 2 enhances HIV-1 susceptibility by affecting Langerhans cell function. *Journal of Immunology*, **2010**, 185, 1633-41	5.3	62
47	C-type lectin Langerin is a beta-glucan receptor on human Langerhans cells that recognizes opportunistic and pathogenic fungi. *Molecular Immunology*, **2010**, 47, 1216-25	4.3	98
46	Identification of novel contributions to high-affinity glycoprotein-receptor interactions using engineered ligands. *Journal of Molecular Biology*, **2010**, 396, 685-96	6.5	23
45	Engineered carbohydrate-recognition domains for glycoproteomic analysis of cell surface glycosylation and ligands for glycan-binding receptors. *Methods in Enzymology*, **2010**, 480, 165-79	1.7	9
44	Binding-site geometry and flexibility in DC-SIGN demonstrated with surface force measurements. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 11524-9	11.5	50
43	Prolectin, a glycan-binding receptor on dividing B cells in germinal centers. *Journal of Biological Chemistry*, **2009**, 284, 18537-44	5.4	20
42	Targeted glycoproteomic identification of cancer cell glycosylation. *Glycobiology*, **2009**, 19, 899-909	5.8	56
41	A murine DC-SIGN homologue contributes to early host defense against Mycobacterium tuberculosis. *Journal of Experimental Medicine*, **2009**, 206, 2205-20	16.6	88

40	Structural insights into what glycan arrays tell us about how glycan-binding proteins interact with their ligands. *Glycobiology*, **2009**, 19, 1155-62	5.8	76
39	Autonomous tetramerization domains in the glycan-binding receptors DC-SIGN and DC-SIGNR. *Journal of Molecular Biology*, **2009**, 387, 1075-80	6.5	28
38	Segmented helical structure of the neck region of the glycan-binding receptor DC-SIGNR. *Journal of Molecular Biology*, **2009**, 394, 613-20	6.5	23
37	A novel mechanism for LSECtin binding to Ebola virus surface glycoprotein through truncated glycans. *Journal of Biological Chemistry*, **2008**, 283, 593-602	5.4	77
36	Paradigms for glycan-binding receptors in cell adhesion. *Current Opinion in Cell Biology*, **2007**, 19, 572-7	9	94
35	Lewis x antigen mediates adhesion of human breast carcinoma cells to activated endothelium. Possible involvement of the endothelial scavenger receptor C-type lectin. *Breast Cancer Research and Treatment*, **2007**, 101, 161-74	4.4	42
34	Scavenger receptor C-type lectin binds to the leukocyte cell surface glycan Lewis(x) by a novel mechanism. *Journal of Biological Chemistry*, **2007**, 282, 17250-8	5.4	46
33	Two categories of mammalian galactose-binding receptors distinguished by glycan array profiling. *Glycobiology*, **2006**, 16, 1C-7C	5.8	120
32	Widely divergent biochemical properties of the complete set of mouse DC-SIGN-related proteins. *Journal of Biological Chemistry*, **2006**, 281, 20440-9	5.4	132
31	All but the shortest polymorphic forms of the viral receptor DC-SIGNR assemble into stable homo- and heterotetramers. *Journal of Biological Chemistry*, **2006**, 281, 16794-8	5.4	16
30	Polymorphisms in human langerin affect stability and sugar binding activity. *Journal of Biological Chemistry*, **2006**, 281, 15450-6	5.4	27
29	Collagen binding by the mannose receptor mediated through the fibronectin type II domain. *Biochemical Journal*, **2006**, 395, 579-86	3.8	73
28	Selective binding of the scavenger receptor C-type lectin to Lewisx trisaccharide and related glycan ligands. *Journal of Biological Chemistry*, **2005**, 280, 22993-9	5.4	60
27	The mannose receptor fails to enhance processing and presentation of a glycoprotein antigen in transfected fibroblasts. *Glycobiology*, **2004**, 14, 7C-12C	5.8	16
26	Structural basis for distinct ligand-binding and targeting properties of the receptors DC-SIGN and DC-SIGNR. *Nature Structural and Molecular Biology*, **2004**, 11, 591-8	17.6	475
25	Oligolysine-based oligosaccharide clusters: selective recognition and endocytosis by the mannose receptor and dendritic cell-specific intercellular adhesion molecule 3 (ICAM-3)-grabbing nonintegrin. *Journal of Biological Chemistry*, **2003**, 278, 23922-9	5.4	101
24	Characterization of carbohydrate recognition by langerin, a C-type lectin of Langerhans cells. *Glycobiology*, **2003**, 13, 401-10	5.8	134
23	Identification of lectins from genomic sequence data. *Methods in Enzymology*, **2003**, 362, 560-7	1.7	14

22	Structure-function analysis of C-type animal lectins. *Methods in Enzymology*, **2003**, 363, 3-16	1.7	25
21	Characterization of sugar binding by the mannose receptor family member, Endo180. *Journal of Biological Chemistry*, **2002**, 277, 50469-75	5.4	61
20	Glycan arrays for functional glycomics. *Genome Biology*, **2002**, 3, REVIEWS1034	18.3	56
19	An extended conformation of the macrophage mannose receptor. *Journal of Biological Chemistry*, **2001**, 276, 14759-66	5.4	40
18	Complex encounters at the macrophage-mycobacterium interface: studies on the role of the mannose receptor and CD14 in experimental infection models with Mycobacterium avium. *Immunobiology*, **2001**, 204, 558-71	3.4	19
17	Structure and function of the macrophage mannose receptor. *Results and Problems in Cell Differentiation*, **2001**, 33, 105-21	1.4	31
16	Structure of a C-type carbohydrate recognition domain from the macrophage mannose receptor. *Journal of Biological Chemistry*, **2000**, 275, 21539-48	5.4	93
15	Multiple interactions between pituitary hormones and the mannose receptor. *Biochemical Journal*, **1999**, 343, 403	3.8	9
14	Multiple interactions between pituitary hormones and the mannose receptor. *Biochemical Journal*, **1999**, 343, 403-411	3.8	31
13	The C-type lectin superfamily in the immune system. *Immunological Reviews*, **1998**, 163, 19-34	11.3	865
12	Evolving views of protein glycosylation. *Trends in Biochemical Sciences*, **1998**, 23, 321-4	10.3	146
11	Orientation of sugars bound to the principal C-type carbohydrate-recognition domain of the macrophage mannose receptor. *Biochemical Journal*, **1998**, 333 (Pt 3), 601-8	3.8	32
10	Evolution of a family of receptors containing multiple C-type carbohydrate-recognition domains. *Glycobiology*, **1997**, 7, v-viii	5.8	21
9	Mechanism of Ca2+ and monosaccharide binding to a C-type carbohydrate-recognition domain of the macrophage mannose receptor. *Journal of Biological Chemistry*, **1997**, 272, 5668-81	5.4	75
8	Recognition of complex carbohydrates by the macrophage mannose receptor. *Biochemical Society Transactions*, **1993**, 21, 468-73	5.1	29
7	Biology of animal lectins. *Annual Review of Cell Biology*, **1993**, 9, 237-64		642
6	Expression and purification of the cytoplasmic tail of an endocytic receptor by fusion to a carbohydrate-recognition domain. *Protein Expression and Purification*, **1992**, 3, 308-12	2	6
5	Uptake and processing of glycoproteins by isolated rat hepatic endothelial and Kupffer cells. *Journal of Hepatology*, **1990**, 10, 211-6	13.4	13

4	Carbohydrate-binding proteins of human serum: isolation of two mannose/fucose-specific lectins. *BBA - Proteins and Proteomics*, **1987**, 915, 60-7		22
3	Mammalian mannose-binding proteins. *Clinical Science*, **1986**, 70, 539-46	6.5	11
2	The effects of diabetes and insulin on glycoprotein metabolism by rat liver. *Journal of Hepatology*, **1985**, 1, 629-38	13.4	2
1	Human serum contains a lectin which inhibits hepatic uptake of glycoproteins. *FEBS Letters*, **1984**, 173, 63-6	3.8	11