

Maureen E Taylor

List of Publications by Year in descending order

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76
papers

6,011
citations

94269

37
h-index

76769

74
g-index

76
all docs

76
docs citations

76
times ranked

5796
citing authors

#	ARTICLE	IF	CITATIONS
1	The C-type lectin superfamily in the immune system. <i>Immunological Reviews</i> , 1998, 163, 19-34.	2.8	964
2	Biology of Animal Lectins. <i>Annual Review of Cell Biology</i> , 1993, 9, 237-264.	26.0	725
3	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, 591-598.	3.6	538
4	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.	2.6	200
5	Characterization of carbohydrate recognition by langerin, a C-type lectin of Langerhans cells. <i>Glycobiology</i> , 2003, 13, 401-410.	1.3	168
6	Evolving views of protein glycosylation. <i>Trends in Biochemical Sciences</i> , 1998, 23, 321-324.	3.7	164
7	Widely Divergent Biochemical Properties of the Complete Set of Mouse DC-SIGN-related Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 20440-20449.	1.6	144
8	Two categories of mammalian galactose-binding receptors distinguished by glycan array profiling. <i>Glycobiology</i> , 2006, 16, 1C-7C.	1.3	132
9	C-type lectin Langerin is a β -glucan receptor on human Langerhans cells that recognizes opportunistic and pathogenic fungi. <i>Molecular Immunology</i> , 2010, 47, 1216-1225.	1.0	121
10	Structure of a C-type Carbohydrate Recognition Domain from the Macrophage Mannose Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 21539-21548.	1.6	118
11	Oligolysine-based Oligosaccharide Clusters. <i>Journal of Biological Chemistry</i> , 2003, 278, 23922-23929.	1.6	110
12	Mechanism for Recognition of an Unusual Mycobacterial Glycolipid by the Macrophage Receptor Mincle. <i>Journal of Biological Chemistry</i> , 2013, 288, 28457-28465.	1.6	108
13	Structural Basis for Langerin Recognition of Diverse Pathogen and Mammalian Glycans through a Single Binding Site. <i>Journal of Molecular Biology</i> , 2011, 405, 1027-1039.	2.0	105
14	Paradigms for glycan-binding receptors in cell adhesion. <i>Current Opinion in Cell Biology</i> , 2007, 19, 572-577.	2.6	102
15	A murine DC-SIGN homologue contributes to early host defense against <i>Mycobacterium tuberculosis</i> . <i>Journal of Experimental Medicine</i> , 2009, 206, 2205-2220.	4.2	98
16	A Novel Mechanism for LSEctin Binding to Ebola Virus Surface Glycoprotein through Truncated Glycans. <i>Journal of Biological Chemistry</i> , 2008, 283, 593-602.	1.6	93
17	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, 5668-5681.	1.6	88
18	Collagen binding by the mannose receptor mediated through the fibronectin type II domain. <i>Biochemical Journal</i> , 2006, 395, 579-586.	1.7	84

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19	Structural insights into what glycan arrays tell us about how glycan-binding proteins interact with their ligands. <i>Glycobiology</i> , 2009, 19, 1155-1162.	1.3	82
20	Characterization of Sugar Binding by the Mannose Receptor Family Member, Endo180. <i>Journal of Biological Chemistry</i> , 2002, 277, 50469-50475.	1.6	80
21	Selective Binding of the Scavenger Receptor C-type Lectin to Lewisx Trisaccharide and Related Glycan Ligands. <i>Journal of Biological Chemistry</i> , 2005, 280, 22993-22999.	1.6	69
22	Herpes Simplex Virus Type 2 Enhances HIV-1 Susceptibility by Affecting Langerhans Cell Function. <i>Journal of Immunology</i> , 2010, 185, 1633-1641.	0.4	69
23	Glycan arrays for functional glycomics. <i>Genome Biology</i> , 2002, 3, reviews1034.1.	13.9	67
24	Trimeric Structure of Langerin. <i>Journal of Biological Chemistry</i> , 2010, 285, 13285-13293.	1.6	67
25	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.	1.6	66
26	Mechanism of pathogen recognition by human dectin-2. <i>Journal of Biological Chemistry</i> , 2017, 292, 13402-13414.	1.6	65
27	Targeted glycoproteomic identification of cancer cell glycosylation. <i>Glycobiology</i> , 2009, 19, 899-909.	1.3	63
28	Convergent and divergent mechanisms of sugar recognition across kingdoms. <i>Current Opinion in Structural Biology</i> , 2014, 28, 14-22.	2.6	59
29	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, 11524-11529.	3.3	58
30	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.	1.6	58
31	Structural analysis of carbohydrate binding by the macrophage mannose receptor CD206. <i>Journal of Biological Chemistry</i> , 2021, 296, 100368.	1.6	58
32	Common Polymorphisms in Human Langerin Change Specificity for Glycan Ligands. <i>Journal of Biological Chemistry</i> , 2013, 288, 36762-36771.	1.6	53
33	An Extended Conformation of the Macrophage Mannose Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 14759-14766.	1.6	52
34	Scavenger Receptor C-type Lectin Binds to the Leukocyte Cell Surface Glycan Lewisx by a Novel Mechanism. <i>Journal of Biological Chemistry</i> , 2007, 282, 17250-17258.	1.6	51
35	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, 161-174.	1.1	50
36	Defining the conformation of human mincle that interacts with mycobacterial trehalose dimycolate. <i>Glycobiology</i> , 2014, 24, 1291-1300.	1.3	47

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37	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, 853-864.	1.3	46
38	Mammalian sugar-binding receptors: known functions and unexplored roles. <i>FEBS Journal</i> , 2019, 286, 1800-1814.	2.2	44
39	Multiple interactions between pituitary hormones and the mannose receptor. <i>Biochemical Journal</i> , 1999, 343, 403-411.	1.7	37
40	Structure and Function of the Macrophage Mannose Receptor. <i>Results and Problems in Cell Differentiation</i> , 2001, 33, 105-121.	0.2	37
41	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, 16759-16771.	1.6	36
42	Orientation of sugars bound to the principal C-type carbohydrate-recognition domain of the macrophage mannose receptor. <i>Biochemical Journal</i> , 1998, 333, 601-608.	1.7	35
43	Prolectin, a Glycan-binding Receptor on Dividing B Cells in Germinal Centers. <i>Journal of Biological Chemistry</i> , 2009, 284, 18537-18544.	1.6	35
44	Identification of Neutrophil Granule Glycoproteins as Lewisx-containing Ligands Cleared by the Scavenger Receptor C-type Lectin. <i>Journal of Biological Chemistry</i> , 2011, 286, 24336-24349.	1.6	35
45	Recognition of complex carbohydrates by the macrophage mannose receptor. <i>Biochemical Society Transactions</i> , 1993, 21, 468-473.	1.6	32
46	Polymorphisms in Human Langerin Affect Stability and Sugar Binding Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 15450-15456.	1.6	31
47	Autonomous Tetramerization Domains in the Glycan-binding Receptors DC-SIGN and DC-SIGNR. <i>Journal of Molecular Biology</i> , 2009, 387, 1075-1080.	2.0	30
48	Mutz-3-derived Langerhans cells are a model to study HIV-1 transmission and potential inhibitors. <i>Journal of Leukocyte Biology</i> , 2009, 87, 637-643.	1.5	30
49	Letters to the Glyco-Forum. <i>Glycobiology</i> , 1997, 7, 323-323.	1.3	28
50	Mouse LSEctin as a model for a human Ebola virus receptor. <i>Glycobiology</i> , 2011, 21, 806-812.	1.3	28
51	Segmented Helical Structure of the Neck Region of the Glycan-Binding Receptor DC-SIGNR. <i>Journal of Molecular Biology</i> , 2009, 394, 613-620.	2.0	27
52	Identification of Novel Contributions to High-affinity Glycoprotein-Receptor Interactions using Engineered Ligands. <i>Journal of Molecular Biology</i> , 2010, 396, 685-696.	2.0	27
53	Structure-Function Analysis of C-Type Animal Lectins. <i>Methods in Enzymology</i> , 2003, 363, 3-16.	0.4	26
54	Carbohydrate-binding proteins of human serum: isolation of two mannose/fucose-specific lectins. <i>BBA - Proteins and Proteomics</i> , 1987, 915, 60-67.	2.1	23

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55	Mouse Mincle: Characterization as a Model for Human Mincle and Evolutionary Implications. <i>Molecules</i> , 2015, 20, 6670-6682.	1.7	23
56	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, 558-571.	0.8	19
57	The mannose receptor fails to enhance processing and presentation of a glycoprotein antigen in transfected fibroblasts. <i>Glycobiology</i> , 2004, 14, 7C-12C.	1.3	19
58	Identification of Lectins from Genomic Sequence Data. <i>Methods in Enzymology</i> , 2003, 362, 560-567.	0.4	17
59	Uptake of processing of glycoproteins by isolated rat hepatic endothelial and Kupffer cells. <i>Journal of Hepatology</i> , 1990, 10, 211-216.	1.8	16
60	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, 16794-16798.	1.6	16
61	Glycoproteomic characterization of carriers of the CD15/Lewisx epitope on Hodgkin's Reed-Sternberg cells. <i>BMC Biochemistry</i> , 2011, 12, 13.	4.4	15
62	Human serum contains a lectin which inhibits hepatic uptake of glycoproteins. <i>FEBS Letters</i> , 1984, 173, 63-66.	1.3	13
63	Mammalian mannose-binding proteins. <i>Clinical Science</i> , 1986, 70, 539-546.	1.8	13
64	Geometry and Adhesion of Extracellular Domains of DC-SIGNR Neck Length Variants Analyzed by Force-Distance Measurements. <i>Biochemistry</i> , 2011, 50, 6125-6132.	1.2	13
65	Multiple interactions between pituitary hormones and the mannose receptor. <i>Biochemical Journal</i> , 1999, 343, 403.	1.7	12
66	Mammalian lectin arrays for screening host-microbe interactions. <i>Journal of Biological Chemistry</i> , 2020, 295, 4541-4555.	1.6	12
67	CD23 is a glycan-binding receptor in some mammalian species. <i>Journal of Biological Chemistry</i> , 2019, 294, 14845-14859.	1.6	11
68	Absence of a human ortholog of rodent Kupffer cell galactose-binding receptor encoded by the CLEC4f gene. <i>Glycobiology</i> , 2019, 29, 332-345.	1.3	10
69	Engineered Carbohydrate-Recognition Domains for Glycoproteomic Analysis of Cell Surface Glycosylation and Ligands for Glycan-Binding Receptors. <i>Methods in Enzymology</i> , 2010, 480, 165-179.	0.4	9
70	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.	3.1	9
71	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, 308-312.	0.6	6
72	Identification of serum glycoprotein ligands for the immunomodulatory receptor blood dendritic cell antigen 2. <i>Glycobiology</i> , 2018, 28, 592-600.	1.3	6

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73	Targeting diversity. Nature Structural and Molecular Biology, 2005, 12, 830-831.	3.6	4
74	The effects of diabetes and insulin on glycoprotein metabolism by rat liver. Journal of Hepatology, 1985, 1, 629-638.	1.8	2
75	C-Type Lectin Family: Overview. , 2015, , 1015-1020.		2
76	Overview of the C-Type Lectin Family. , 2014, , 1-6.		1