

Maureen E Taylor

List of Publications by Year in descending order

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76
papers

6,011
citations

94433

37
h-index

76900

74
g-index

76
all docs

76
docs citations

76
times ranked

5796
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural analysis of carbohydrate binding by the macrophage mannose receptor CD206. <i>Journal of Biological Chemistry</i> , 2021, 296, 100368.	3.4	58
2	Mammalian lectin arrays for screening host-microbe interactions. <i>Journal of Biological Chemistry</i> , 2020, 295, 4541-4555.	3.4	12
3	CD23 is a glycan-binding receptor in some mammalian species. <i>Journal of Biological Chemistry</i> , 2019, 294, 14845-14859.	3.4	11
4	Absence of a human ortholog of rodent Kupffer cell galactose-binding receptor encoded by the CLEC4f gene. <i>Glycobiology</i> , 2019, 29, 332-345.	2.5	10
5	Mammalian sugar-binding receptors: known functions and unexplored roles. <i>FEBS Journal</i> , 2019, 286, 1800-1814.	4.7	44
6	Identification of serum glycoprotein ligands for the immunomodulatory receptor blood dendritic cell antigen 2. <i>Glycobiology</i> , 2018, 28, 592-600.	2.5	6
7	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.	3.4	66
8	Mechanism of pathogen recognition by human dectin-2. <i>Journal of Biological Chemistry</i> , 2017, 292, 13402-13414.	3.4	65
9	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.	7.6	9
10	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.	3.4	58
11	Mouse Mincle: Characterization as a Model for Human Mincle and Evolutionary Implications. <i>Molecules</i> , 2015, 20, 6670-6682.	3.8	23
12	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.	5.7	200
13	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.	3.4	36
14	C-Type Lectin Family: Overview. , 2015, , 1015-1020.		2
15	Defining the conformation of human mincle that interacts with mycobacterial trehalose dimycolate. <i>Glycobiology</i> , 2014, 24, 1291-1300.	2.5	47
16	Convergent and divergent mechanisms of sugar recognition across kingdoms. <i>Current Opinion in Structural Biology</i> , 2014, 28, 14-22.	5.7	59
17	Overview of the C-Type Lectin Family. , 2014, , 1-6.		1
18	Common Polymorphisms in Human Langerin Change Specificity for Glycan Ligands. <i>Journal of Biological Chemistry</i> , 2013, 288, 36762-36771.	3.4	53

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19	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.	2.5	46
20	Mechanism for Recognition of an Unusual Mycobacterial Glycolipid by the Macrophage Receptor Mincle. <i>Journal of Biological Chemistry</i> , 2013, 288, 28457-28465.	3.4	108
21	Geometry and Adhesion of Extracellular Domains of DC-SIGNR Neck Length Variants Analyzed by Force-Distance Measurements. <i>Biochemistry</i> , 2011, 50, 6125-6132.	2.5	13
22	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.	4.2	105
23	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
24	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.	3.4	35
25	Mouse LSECtin as a model for a human Ebola virus receptor. <i>Glycobiology</i> , 2011, 21, 806-812.	2.5	28
26	Trimeric Structure of Langerin. <i>Journal of Biological Chemistry</i> , 2010, 285, 13285-13293.	3.4	67
27	Herpes Simplex Virus Type 2 Enhances HIV-1 Susceptibility by Affecting Langerhans Cell Function. <i>Journal of Immunology</i> , 2010, 185, 1633-1641.	0.8	69
28	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.	2.2	121
29	Identification of Novel Contributions to High-affinity Glycoprotein-Receptor Interactions using Engineered Ligands. <i>Journal of Molecular Biology</i> , 2010, 396, 685-696.	4.2	27
30	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.	1.0	9
31	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.	7.1	58
32	Prolectin, a Glycan-binding Receptor on Dividing B Cells in Germinal Centers. <i>Journal of Biological Chemistry</i> , 2009, 284, 18537-18544.	3.4	35
33	Targeted glycoproteomic identification of cancer cell glycosylation. <i>Glycobiology</i> , 2009, 19, 899-909.	2.5	63
34	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.	8.5	98
35	Structural insights into what glycan arrays tell us about how glycan-binding proteins interact with their ligands. <i>Glycobiology</i> , 2009, 19, 1155-1162.	2.5	82
36	Autonomous Tetramerization Domains in the Glycan-binding Receptors DC-SIGN and DC-SIGNR. <i>Journal of Molecular Biology</i> , 2009, 387, 1075-1080.	4.2	30

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37	Segmented Helical Structure of the Neck Region of the Glycan-Binding Receptor DC-SIGNR. <i>Journal of Molecular Biology</i> , 2009, 394, 613-620.	4.2	27
38	Mut3-derived Langerhans cells are a model to study HIV-1 transmission and potential inhibitors. <i>Journal of Leukocyte Biology</i> , 2009, 87, 637-643.	3.3	30
39	A Novel Mechanism for LSECtin Binding to Ebola Virus Surface Glycoprotein through Truncated Glycans. <i>Journal of Biological Chemistry</i> , 2008, 283, 593-602.	3.4	93
40	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.	3.4	51
41	Paradigms for glycan-binding receptors in cell adhesion. <i>Current Opinion in Cell Biology</i> , 2007, 19, 572-577.	5.4	102
42	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.	2.5	50
43	Collagen binding by the mannose receptor mediated through the fibronectin type II domain. <i>Biochemical Journal</i> , 2006, 395, 579-586.	3.7	84
44	Two categories of mammalian galactose-binding receptors distinguished by glycan array profiling. <i>Glycobiology</i> , 2006, 16, 1C-7C.	2.5	132
45	Widely Divergent Biochemical Properties of the Complete Set of Mouse DC-SIGN-related Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 20440-20449.	3.4	144
46	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.	3.4	16
47	Polymorphisms in Human Langerin Affect Stability and Sugar Binding Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 15450-15456.	3.4	31
48	Targeting diversity. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 830-831.	8.2	4
49	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.	3.4	69
50	The mannose receptor fails to enhance processing and presentation of a glycoprotein antigen in transfected fibroblasts. <i>Glycobiology</i> , 2004, 14, 7C-12C.	2.5	19
51	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.	8.2	538
52	Oligosylsine-based Oligosaccharide Clusters. <i>Journal of Biological Chemistry</i> , 2003, 278, 23922-23929.	3.4	110
53	Characterization of carbohydrate recognition by langerin, a C-type lectin of Langerhans cells. <i>Glycobiology</i> , 2003, 13, 401-410.	2.5	168
54	Identification of Lectins from Genomic Sequence Data. <i>Methods in Enzymology</i> , 2003, 362, 560-567.	1.0	17

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55	Structure-Function Analysis of C-Type Animal Lectins. <i>Methods in Enzymology</i> , 2003, 363, 3-16.	1.0	26
56	Characterization of Sugar Binding by the Mannose Receptor Family Member, Endo180. <i>Journal of Biological Chemistry</i> , 2002, 277, 50469-50475.	3.4	80
57	Glycan arrays for functional glycomics. <i>Genome Biology</i> , 2002, 3, reviews1034.1.	9.6	67
58	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.	1.9	19
59	An Extended Conformation of the Macrophage Mannose Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 14759-14766.	3.4	52
60	Structure and Function of the Macrophage Mannose Receptor. <i>Results and Problems in Cell Differentiation</i> , 2001, 33, 105-121.	0.7	37
61	Structure of a C-type Carbohydrate Recognition Domain from the Macrophage Mannose Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 21539-21548.	3.4	118
62	Multiple interactions between pituitary hormones and the mannose receptor. <i>Biochemical Journal</i> , 1999, 343, 403.	3.7	12
63	Multiple interactions between pituitary hormones and the mannose receptor. <i>Biochemical Journal</i> , 1999, 343, 403-411.	3.7	37
64	The C-type lectin superfamily in the immune system. <i>Immunological Reviews</i> , 1998, 163, 19-34.	6.0	964
65	Evolving views of protein glycosylation. <i>Trends in Biochemical Sciences</i> , 1998, 23, 321-324.	7.5	164
66	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.	3.7	35
67	Letters to the Glyco-Forum. <i>Glycobiology</i> , 1997, 7, 323-323.	2.5	28
68	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.	3.4	88
69	Biology of Animal Lectins. <i>Annual Review of Cell Biology</i> , 1993, 9, 237-264.	26.1	725
70	Recognition of complex carbohydrates by the macrophage mannose receptor. <i>Biochemical Society Transactions</i> , 1993, 21, 468-473.	3.4	32
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.	1.3	6
72	Uptake and processing of glycoproteins by isolated rat hepatic endothelial and Kupffer cells. <i>Journal of Hepatology</i> , 1990, 10, 211-216.	3.7	16

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73	Carbohydrate-binding proteins of human serum: isolation of two mannose/fucose-specific lectins. BBA - Proteins and Proteomics, 1987, 915, 60-67.	2.1	23
74	Mammalian mannose-binding proteins. Clinical Science, 1986, 70, 539-546.	4.3	13
75	The effects of diabetes and insulin on glycoprotein metabolism by rat liver. Journal of Hepatology, 1985, 1, 629-638.	3.7	2
76	Human serum contains a lectin which inhibits hepatic uptake of glycoproteins. FEBS Letters, 1984, 173, 63-66.	2.8	13