

Janet A Willment

List of Publications by Year in descending order

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58
papers

9,075
citations

101543

36
h-index

168389

53
g-index

59
all docs

59
docs citations

59
times ranked

8576
citing authors

#	ARTICLE	IF	CITATIONS
1	Dectin-1 Mediates the Biological Effects of β -Glucans. <i>Journal of Experimental Medicine</i> , 2003, 197, 1119-1124.	8.5	1,084
2	Dectin-1 is required for β -glucan recognition and control of fungal infection. <i>Nature Immunology</i> , 2007, 8, 31-38.	14.5	1,042
3	Dectin-1 Is A Major β -Glucan Receptor On Macrophages. <i>Journal of Experimental Medicine</i> , 2002, 196, 407-412.	8.5	902
4	Human Dectin-1 Deficiency and Mucocutaneous Fungal Infections. <i>New England Journal of Medicine</i> , 2009, 361, 1760-1767.	27.0	671
5	The β -Glucan Receptor, Dectin-1, Is Predominantly Expressed on the Surface of Cells of the Monocyte/Macrophage and Neutrophil Lineages. <i>Journal of Immunology</i> , 2002, 169, 3876-3882.	0.8	580
6	C-type lectins in immunity and homeostasis. <i>Nature Reviews Immunology</i> , 2018, 18, 374-389.	22.7	434
7	Syk kinase is required for collaborative cytokine production induced through Dectin-1 and Toll-like receptors. <i>European Journal of Immunology</i> , 2008, 38, 500-506.	2.9	328
8	Characterization of the Human β -Glucan Receptor and Its Alternatively Spliced Isoforms. <i>Journal of Biological Chemistry</i> , 2001, 276, 43818-43823.	3.4	279
9	CLEC9A Is a Novel Activation C-type Lectin-like Receptor Expressed on BDCA3+ Dendritic Cells and a Subset of Monocytes. <i>Journal of Biological Chemistry</i> , 2008, 283, 16693-16701.	3.4	272
10	C-type lectin receptors in antifungal immunity. <i>Trends in Microbiology</i> , 2008, 16, 27-32.	7.7	232
11	The human β -glucan receptor is widely expressed and functionally equivalent to murine Dectin-1 on primary cells. <i>European Journal of Immunology</i> , 2005, 35, 1539-1547.	2.9	228
12	Dectin-1 Expression and Function Are Enhanced on Alternatively Activated and GM-CSF-Treated Macrophages and Are Negatively Regulated by IL-10, Dexamethasone, and Lipopolysaccharide. <i>Journal of Immunology</i> , 2003, 171, 4569-4573.	0.8	225
13	The Role of SIGIRR and the β -Glucan Receptor (Dectin-1) in the Nonopsonic Recognition of Yeast by Specific Macrophages. <i>Journal of Immunology</i> , 2004, 172, 1157-1162.	0.8	183
14	C-Type Lectin-Like Receptors of the Dectin-1 Cluster: Ligands and Signaling Pathways. <i>International Reviews of Immunology</i> , 2013, 32, 134-156.	3.3	178
15	Reciprocal regulation of IL-23 and IL-12 following coactivation of Dectin-1 and TLR signaling pathways. <i>European Journal of Immunology</i> , 2009, 39, 1379-1386.	2.9	159
16	Recognition of DHN-melanin by a C-type lectin receptor is required for immunity to <i>Aspergillus</i> . <i>Nature</i> , 2018, 555, 382-386.	27.8	157
17	The Dectin-2 family of C-type lectin-like receptors: an update. <i>International Immunology</i> , 2013, 25, 271-277.	4.0	156
18	Light, the circadian clock, and sugar perception in the control of lignin biosynthesis. <i>Journal of Experimental Botany</i> , 2005, 56, 1651-1663.	4.8	137

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19	Comparison of lignin deposition in three ectopic lignification mutants. <i>New Phytologist</i> , 2005, 168, 123-140.	7.3	134
20	Identification and Characterization of a Novel Human Myeloid Inhibitory C-type Lectin-like Receptor (MICL) That Is Predominantly Expressed on Granulocytes and Monocytes. <i>Journal of Biological Chemistry</i> , 2004, 279, 14792-14802.	3.4	127
21	CLEC-2 Is a Phagocytic Activation Receptor Expressed on Murine Peripheral Blood Neutrophils. <i>Journal of Immunology</i> , 2009, 182, 4150-4157.	0.8	111
22	Dectin-1 promotes fungicidal activity of human neutrophils. <i>European Journal of Immunology</i> , 2007, 37, 467-478.	2.9	110
23	The C-type Lectin Receptor CLECSF8 (CLEC4D) Is Expressed by Myeloid Cells and Triggers Cellular Activation through Syk Kinase. <i>Journal of Biological Chemistry</i> , 2012, 287, 25964-25974.	3.4	110
24	Soluble Dectin-1 as a tool to detect β -glucans. <i>Journal of Immunological Methods</i> , 2006, 314, 164-169.	1.4	107
25	The Role of Dectin-1 in Antifungal Immunity. <i>Critical Reviews in Immunology</i> , 2004, 24, 193-204.	0.5	104
26	The C-Type Lectin Receptor CLECSF8/CLEC4D Is a Key Component of Anti-Mycobacterial Immunity. <i>Cell Host and Microbe</i> , 2015, 17, 252-259.	11.0	100
27	Expression of Functionally Different Dectin-1 Isoforms by Murine Macrophages. <i>Journal of Immunology</i> , 2006, 176, 5513-5518.	0.8	98
28	Podoplanin-expressing inflammatory macrophages activate murine platelets via CLEC2. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 484-486.	3.8	87
29	Human MICL (CLEC12A) is differentially glycosylated and is down-regulated following cellular activation. <i>European Journal of Immunology</i> , 2006, 36, 2159-2169.	2.9	85
30	Evaluation of Maize Streak Virus Pathogenicity in Differentially Resistant Zea mays Genotypes. <i>Phytopathology</i> , 1999, 89, 695-700.	2.2	57
31	C-type lectin receptors of the Dectin1 cluster: Physiological roles and involvement in disease. <i>European Journal of Immunology</i> , 2019, 49, 2127-2133.	2.9	55
32	Mannan detecting C-type lectin receptor probes recognise immune epitopes with diverse chemical, spatial and phylogenetic heterogeneity in fungal cell walls. <i>PLoS Pathogens</i> , 2020, 16, e1007927.	4.7	52
33	Genetic Variation of Innate Immune Genes in HIV-Infected African Patients With or Without Oropharyngeal Candidiasis. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2010, 55, 87-94.	2.1	48
34	Characterisation of Innate Fungal Recognition in the Lung. <i>PLoS ONE</i> , 2012, 7, e35675.	2.5	45
35	Analysis of the diversity of African streak mastreviruses using PCR-generated RFLPs and partial sequence data. <i>Journal of Virological Methods</i> , 2001, 93, 75-87.	2.1	40
36	MICL controls inflammation in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1386-1391.	0.9	40

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37	Forced recombination between distinct strains of Maize streak virus. <i>Journal of General Virology</i> , 2001, 82, 3081-3090.	2.9	40
38	The relative infectivities and genomic characterisation of three distinct mastreviruses from South Africa. <i>Archives of Virology</i> , 2001, 146, 1075-1088.	2.1	35
39	Mycobacterial receptor, Clec4d (CLECSF8, MCL), is coregulated with Mincle and upregulated on mouse myeloid cells following microbial challenge. <i>European Journal of Immunology</i> , 2016, 46, 381-389.	2.9	34
40	Kanamycin reveals the role played by glutamate receptors in shaping plant resource allocation. <i>Plant Journal</i> , 2005, 43, 348-355.	5.7	29
41	PAMPs of the Fungal Cell Wall and Mammalian PRRs. <i>Current Topics in Microbiology and Immunology</i> , 2020, 425, 187-223.	1.1	29
42	Biological and Genomic Sequence Characterization of Maize streak virus Isolates from Wheat. <i>Phytopathology</i> , 2002, 92, 81-86.	2.2	25
43	Signalling through MyD88 drives surface expression of the mycobacterial receptors MCL (Clecfs8,) Tj ETQq1 1 0.784314 rgBT ₂₄ /Overlock	1.9	24
44	C-Type Lectin Receptors in Antifungal Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1204, 1-30.	1.6	22
45	Identification of long intergenic region sequences involved in maize streak virus replication. <i>Journal of General Virology</i> , 2007, 88, 1831-1841.	2.9	17
46	Aspergillus-induced superoxide production by cystic fibrosis phagocytes is associated with disease severity. <i>ERJ Open Research</i> , 2018, 4, 00068-2017.	2.6	14
47	Fcα-conjugated Cα-type lectin receptors: Tools for understanding host-pathogen interactions. <i>Molecular Microbiology</i> , 2022, 117, 632-660.	2.5	14
48	The Role of RodA-Conserved Cysteine Residues in the Aspergillus fumigatus Conidial Surface Organization. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 151.	3.5	9
49	Complement-Mediated Differential Immune Response of Human Macrophages to Sporothrix Species Through Interaction With Their Cell Wall Peptidorhammannans. <i>Frontiers in Immunology</i> , 2021, 12, 749074.	4.8	9
50	MelLec Exacerbates the Pathogenesis of Aspergillus fumigatus-Induced Allergic Inflammation in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 675702.	4.8	5
51	Characterization of antifungal Cα-type lectin receptor expression on murine epithelial and endothelial cells in mucosal tissues. <i>European Journal of Immunology</i> , 2021, 51, 2341-2344.	2.9	4
52	¹²⁵ I-Glucan Grafted Microcapsule, a Tool for Studying the Immunomodulatory Effect of Microbial Cell Wall Polysaccharides. <i>Bioconjugate Chemistry</i> , 2019, 30, 1788-1797.	3.6	3
53	Synthesis of the Fungal Metabolite YWA1 and Related Constructs as Tools to Study MelLec-Mediated Immune Response to Aspergillus Infections. <i>Journal of Organic Chemistry</i> , 2021, 86, 6044-6055.	3.2	3
54	Dectin-1. The AFCS-nature Molecule Pages, 0, , .	0.2	2

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55	Characterisation of the murine C-type lectin receptor CLECSF8 (MCL) reveals its expression on cells of the monocyte/neutrophil lineages and an inter-dependence with Mincle, but not Dectin-2. Journal of Inflammation, 2015, 12, P4.	3.4	0
56	Dectin-1 (CLEC7A, BGR, CLECSF12). , 2016, , 51-63.		0
57	Quantifying Receptor-Mediated and to in Immune Cells. Methods in Molecular Biology, 2021, 2260, 155-178.	0.9	0
58	CLEC7A. , 2018, , 1154-1161.		0