

# Janet A Willment

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Fc-conjugated C-type lectin receptors: Tools for understanding host-pathogen interactions. <i>Molecular Microbiology</i> , 2022, 117, 632-660.   | 2.5  | 14        |
| 2  | Synthesis of the Fungal Metabolite YWA1 and Related Constructs as Tools to Study MelLec-Mediated Immune Response to <i>Aspergillus</i> Infections. <i>Journal of Organic Chemistry</i> , 2021, 86, 6044-6055.        | 3.2  | 3         |
| 3  | MelLec Exacerbates the Pathogenesis of <i>Aspergillus fumigatus</i> -Induced Allergic Inflammation in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 675702.   | 4.8  | 5         |
| 4  | Characterization of antifungal C-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         |
| 5  | Quantifying Receptor-Mediated and to in Immune Cells. <i>Methods in Molecular Biology</i> , 2021, 2260, 155-178.   | 0.9  | 0         |
| 6  | Complement-Mediated Differential Immune Response of Human Macrophages to <i>Sporothrix</i> Species Through Interaction With Their Cell Wall Peptidorhamnomannans. <i>Frontiers in Immunology</i> , 2021, 12, 749074. | 4.8  | 9         |
| 7  | The Role of RodA-Conserved Cysteine Residues in the <i>Aspergillus fumigatus</i> Conidial Surface Organization. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 151.   | 3.5  | 9         |
| 8  | PAMPs of the Fungal Cell Wall and Mammalian PRRs. <i>Current Topics in Microbiology and Immunology</i> , 2020, 425, 187-223.   | 1.1  | 29        |
| 9  | 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        |
| 10 | C-Type Lectin Receptors in Antifungal Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1204, 1-30.   | 1.6  | 22        |
| 11 | C-type lectin receptors of the Dectin-1 cluster: Physiological roles and involvement in disease. <i>European Journal of Immunology</i> , 2019, 49, 2127-2133.  | 2.9  | 55        |
| 12 | Î2-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         |
| 13 | 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       |
| 14 | <i>Aspergillus</i> -induced superoxide production by cystic fibrosis phagocytes is associated with disease severity. <i>ERJ Open Research</i> , 2018, 4, 00068-2017.   | 2.6  | 14        |
| 15 | C-type lectins in immunity and homeostasis. <i>Nature Reviews Immunology</i> , 2018, 18, 374-389.  | 22.7 | 434       |
| 16 | CLEC7A, , 2018, , 1154-1161.   |      | 0         |
| 17 | Dectin-1 (CLEC7A, BGR, CLECSF12), , 2016, , 51-63.   |      | 0         |
| 18 | Signalling through MyD88 drives surface expression of the mycobacterial receptors MCL (Clecsf8), Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50   | 1.9  | 24        |

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|----|---|------|-----------|
| 19 | MICL controls inflammation in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1386-1391.  | 0.9  | 40        |
| 20 | 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        |
| 21 | 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. <i>Journal of Inflammation</i> , 2015, 12, P4. | 3.4  | 0         |
| 22 | 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       |
| 23 | 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       |
| 24 | The Dectin-2 family of C-type lectin-like receptors: an update. <i>International Immunology</i> , 2013, 25, 271-277.  | 4.0  | 156       |
| 25 | 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       |
| 26 | Podoplanin-expressing inflammatory macrophages activate murine platelets via CLEC-2. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 484-486.  | 3.8  | 87        |
| 27 | Characterisation of Innate Fungal Recognition in the Lung. <i>PLoS ONE</i> , 2012, 7, e35675.   | 2.5  | 45        |
| 28 | 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        |
| 29 | 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       |
| 30 | Reciprocal regulation of IL-23 and IL-12 following co-activation of Dectin-1 and TLR signaling pathways. <i>European Journal of Immunology</i> , 2009, 39, 1379-1386.   | 2.9  | 159       |
| 31 | Human Dectin-1 Deficiency and Mucocutaneous Fungal Infections. <i>New England Journal of Medicine</i> , 2009, 361, 1760-1767.   | 27.0 | 671       |
| 32 | 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       |
| 33 | C-type lectin receptors in antifungal immunity. <i>Trends in Microbiology</i> , 2008, 16, 27-32.  | 7.7  | 232       |
| 34 | 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       |
| 35 | 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        |
| 36 | Dectin-1 promotes fungicidal activity of human neutrophils. <i>European Journal of Immunology</i> , 2007, 37, 467-478.  | 2.9  | 110       |

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|----|--|------|-----------|
| 37 | Dectin-1 is required for $\beta$ -glucan recognition and control of fungal infection. <i>Nature Immunology</i> , 2007, 8, 31-38.   | 14.5 | 1,042     |
| 38 | Soluble Dectin-1 as a tool to detect $\beta$ -glucans. <i>Journal of Immunological Methods</i> , 2006, 314, 164-169.   | 1.4  | 107       |
| 39 | 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        |
| 40 | Expression of Functionally Different Dectin-1 Isoforms by Murine Macrophages. <i>Journal of Immunology</i> , 2006, 176, 5513-5518.   | 0.8  | 98        |
| 41 | Comparison of lignin deposition in three ectopic lignification mutants. <i>New Phytologist</i> , 2005, 168, 123-140.   | 7.3  | 134       |
| 42 | Kanamycin reveals the role played by glutamate receptors in shaping plant resource allocation. <i>Plant Journal</i> , 2005, 43, 348-355.   | 5.7  | 29        |
| 43 | The human $\beta$ -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       |
| 44 | 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       |
| 45 | The Role of SIGNR1 and the $\beta$ -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       |
| 46 | 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       |
| 47 | The Role of Dectin-1 in Antifungal Immunity. <i>Critical Reviews in Immunology</i> , 2004, 24, 193-204.  | 0.5  | 104       |
| 48 | Dectin-1 Mediates the Biological Effects of $\beta$ -Glucans. <i>Journal of Experimental Medicine</i> , 2003, 197, 1119-1124.  | 8.5  | 1,084     |
| 49 | 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       |
| 50 | The $\beta$ -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       |
| 51 | Biological and Genomic Sequence Characterization of Maize streak virus Isolates from Wheat. <i>Phytopathology</i> , 2002, 92, 81-86.   | 2.2  | 25        |
| 52 | Dectin-1 Is A Major $\beta$ -Glucan Receptor On Macrophages. <i>Journal of Experimental Medicine</i> , 2002, 196, 407-412.   | 8.5  | 902       |
| 53 | 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        |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | Characterization of the Human $\beta$ -Glucan Receptor and Its Alternatively Spliced Isoforms. Journal of Biological Chemistry, 2001, 276, 43818-43823. | 3.4 | 279       |
| 56 | Forced recombination between distinct strains of Maize streak virus. Journal of General Virology, 2001, 82, 3081-3090.                                  | 2.9 | 40        |
| 57 | Evaluation of Maize Streak Virus Pathogenicity in Differentially Resistant Zea mays Genotypes. Phytopathology, 1999, 89, 695-700.                       | 2.2 | 57        |
| 58 | Dectin-1. The AFCS-nature Molecule Pages, 0, , .  | 0.2 | 2         |