Ashley Mansell

List of Publications by Year in Descending Order

83 papers	5,882 citations	41 h-index	76 g-index
92 ext. papers	6,791 ext. citations	7.3 avg, IF	5.53 L-index

#	Paper	IF	Citations
83	Interleukin-1 exacerbates disease and is a potential therapeutic target to reduce pulmonary inflammation during severe influenza A virus infection. *Immunology and Cell Biology*, **2021**, 99, 737-748	5	5
82	Circulating BiP/Grp78 is a novel prognostic marker for sepsis-mediated immune cell death. *FEBS Journal*, **2021**, 288, 1809-1821	5.7	6
81	Evaluation of inflammation and follicle depletion during ovarian ageing in mice. *Scientific Reports*, **2021**, 11, 278	4.9	16
80	IL-18 (Interleukin-18) Produced by Renal Tubular Epithelial Cells Promotes Renal Inflammation and Injury During Deoxycorticosterone/Salt-Induced Hypertension in Mice. *Hypertension*, **2021**, 78, 1296-1309	8.5	3
79	Parsing the IL-37-Mediated Suppression of Inflammasome Function. *Cells*, **2020**, 9,	7.9	10
78	Novel mineralocorticoid receptor mechanisms regulate cardiac tissue inflammation in male mice. *Journal of Endocrinology*, **2020**, 246, 123-134	4.7	3
77	STAT3 serine phosphorylation is required for TLR4 metabolic reprogramming and IL-1 expression. *Nature Communications*, **2020**, 11, 3816	17.4	35
76	The Inflammasome Contributes to Depletion of the Ovarian Reserve During Aging in Mice. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 628473	5.7	6
75	Repurposing drugs targeting the P2X7 receptor to limit hyperinflammation and disease during influenza virus infection. *British Journal of Pharmacology*, **2019**, 176, 3834-3844	8.6	22
74	The Single Nucleotide Polymorphism Mal-D96N Mice Provide New Insights into Functionality of Mal in TLR Immune Responses. *Journal of Immunology*, **2019**, 202, 2384-2396	5.3	1
73	In Vivo Infection Model of Severe Influenza A Virus. *Methods in Molecular Biology*, **2018**, 1725, 91-99	1.4	3
72	Membrane vesicles from Pseudomonas aeruginosa activate the noncanonical inflammasome through caspase-5 in human monocytes. *Immunology and Cell Biology*, **2018**, 96, 1120-1130	5	37
71	Macrophage migration inhibitory factor is required for NLRP3 inflammasome activation. *Nature Communications*, **2018**, 9, 2223	17.4	83
70	A Crucial Role for Interleukin-18/IL-18R Signalling Axis in the Development of Renal Inflammation and Elevated Blood Pressure in 1 Kidney/DOCA/Salt-Induced Hypertension. *FASEB Journal*, **2018**, 32, 718.15	0.9	
69	An update on the NLRP3 inflammasome and influenza: the road to redemption or perdition?. *Current Opinion in Immunology*, **2018**, 54, 80-85	7.8	22
68	Porphyromonas gulae Activates Unprimed and Gamma Interferon-Primed Macrophages via the Pattern Recognition Receptors Toll-Like Receptor 2 (TLR2), TLR4, and NOD2. *Infection and Immunity* , **2017**, 85,	3.7	12
67	Disruption of Serinc1, which facilitates serine-derived lipid synthesis, fails to alter macrophage function, lymphocyte proliferation or autoimmune disease susceptibility. *Molecular Immunology*, **2017**, 82, 19-33	4.3	14

66	PB1-F2 Peptide Derived from Avian Influenza A Virus H7N9 Induces Inflammation via Activation of the NLRP3 Inflammasome. *Journal of Biological Chemistry*, **2017**, 292, 826-836	5.4	53
65	Anakinra reduces blood pressure and renal fibrosis in one kidney/DOCA/salt-induced hypertension. *Pharmacological Research*, **2017**, 116, 77-86	10.2	22
64	Solution structure of the TLR adaptor MAL/TIRAP reveals an intact BB loop and supports MAL Cys91 glutathionylation for signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E6480-E6489	11.5	28
63	Structural basis of TIR-domain-assembly formation in MAL- and MyD88-dependent TLR4 signaling. *Nature Structural and Molecular Biology*, **2017**, 24, 743-751	17.6	82
62	Hero turned villain: NLRP3 inflammasome-induced inflammation during influenza A virus infection. *Journal of Leukocyte Biology*, **2017**, 101, 863-874	6.5	28
61	The immune modulatory peptide FhHDM-1 secreted by the helminth Fasciola hepatica prevents NLRP3 inflammasome activation by inhibiting endolysosomal acidification in macrophages. *FASEB Journal*, **2017**, 31, 85-95	0.9	38
60	Outer Membrane Vesicles Prime and Activate Macrophage Inflammasomes and Cytokine Secretion and. *Frontiers in Immunology*, **2017**, 8, 1017	8.4	65
59	Pressor response to angiotensin II is enhanced in aged mice and associated with inflammation, vasoconstriction and oxidative stress. *Aging*, **2017**, 9, 1595-1606	5.6	35
58	Reassessing the role of the NLRP3 inflammasome during pathogenic influenza A virus infection via temporal inhibition. *Scientific Reports*, **2016**, 6, 27912	4.9	99
57	TRIF-dependent TLR signaling, its functions in host defense and inflammation, and its potential as a therapeutic target. *Journal of Leukocyte Biology*, **2016**, 100, 27-45	6.5	88
56	Toll-IL1 receptor-mediated innate immune responses vary across HBV genotype and predict treatment response to pegylated-IFN in HBeAg-positive CHB patients. *Journal of Viral Hepatitis*, **2016**, 23, 170-9	3.4	10
55	Induction of memory cytotoxic T cells to influenza A virus and subsequent viral clearance is not modulated by PB1-F2-dependent inflammasome activation. *Immunology and Cell Biology*, **2016**, 94, 439-46	5	7
54	Toll-like receptors: the swiss army knife of immunity and vaccine development. *Clinical and Translational Immunology*, **2016**, 5, e85	6.8	168
53	Inflammasome activity is essential for one kidney/deoxycorticosterone acetate/salt-induced hypertension in mice. *British Journal of Pharmacology*, **2016**, 173, 752-65	8.6	104
52	BTB-ZF transcriptional regulator PLZF modifies chromatin to restrain inflammatory signaling programs. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 1535-40	11.5	41
51	HIV Blocks Interferon Induction in Human Dendritic Cells and Macrophages by Dysregulation of TBK1. *Journal of Virology*, **2015**, 89, 6575-84	6.6	69
50	The acetyltransferase HAT1 moderates the NF-B response by regulating the transcription factor PLZF. *Nature Communications*, **2015**, 6, 6795	17.4	45
49	Recombinant production of functional full-length and truncated human TRAM/TICAM-2 adaptor protein involved in Toll-like receptor and interferon signaling. *Protein Expression and Purification*, **2015**, 106, 31-40	2	3

48	Mechanism of bacterial interference with TLR4 signaling by Brucella Toll/interleukin-1 receptor domain-containing protein TcpB. *Journal of Biological Chemistry*, **2014**, 289, 654-68	5.4	47
47	STAT1 plays a role in TLR signal transduction and inflammatory responses. *Immunology and Cell Biology*, **2014**, 92, 761-9	5	86
46	The TLR signaling adaptor TRAM interacts with TRAF6 to mediate activation of the inflammatory response by TLR4. *Journal of Leukocyte Biology*, **2014**, 96, 427-36	6.5	25
45	IL-1 and IL-18: inflammatory markers or mediators of hypertension?. *British Journal of Pharmacology*, **2014**, 171, 5589-602	8.6	118
44	Role of caspase-1 in nuclear translocation of IL-37, release of the cytokine, and IL-37 inhibition of innate immune responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 2650-5	11.5	143
43	Porphyromonas gingivalis lipopolysaccharide weakly activates M1 and M2 polarized mouse macrophages but induces inflammatory cytokines. *Infection and Immunity*, **2014**, 82, 4190-203	3.7	62
42	Promyelocytic leukemia protein interacts with the apoptosis-associated speck-like protein to limit inflammasome activation. *Journal of Biological Chemistry*, **2014**, 289, 6429-6437	5.4	8
41	Innate IL-17A-producing leukocytes promote acute kidney injury via inflammasome and Toll-like receptor activation. *American Journal of Pathology*, **2014**, 184, 1411-8	5.8	59
40	IRF7 in the Australian black flying fox, Pteropus alecto: evidence for a unique expression pattern and functional conservation. *PLoS ONE*, **2014**, 9, e103875	3.7	37
39	Dangerous liaisons between interleukin-6 cytokine and toll-like receptor families: a potent combination in inflammation and cancer. *Cytokine and Growth Factor Reviews*, **2013**, 24, 249-56	17.9	30
38	A type III effector antagonizes death receptor signalling during bacterial gut infection. *Nature*, **2013**, 501, 247-51	50.4	200
37	Crystallization and X-ray diffraction analysis of the N-terminal domain of the Toll-like receptor signalling adaptor protein TRIF/TICAM-1. *Acta Crystallographica Section F: Structural Biology Communications*, **2013**, 69, 766-70		4
36	Mitochondrially localised MUL1 is a novel modulator of antiviral signaling. *Immunology and Cell Biology*, **2013**, 91, 321-30	5	27
35	Activation of the NLRP3 inflammasome by IAV virulence protein PB1-F2 contributes to severe pathophysiology and disease. *PLoS Pathogens*, **2013**, 9, e1003392	7.6	150
34	Lipopolysaccharide-deficient Acinetobacter baumannii shows altered signaling through host Toll-like receptors and increased susceptibility to the host antimicrobial peptide LL-37. *Infection and Immunity*, **2013**, 81, 684-9	3.7	49
33	The TLR signalling adaptor TRIF/TICAM-1 has an N-terminal helical domain with structural similarity to IFIT proteins. *Acta Crystallographica Section D: Biological Crystallography*, **2013**, 69, 2420-30		11
32	TLR ligands of ryegrass pollen microbial contaminants enhance Th1 and Th2 responses and decrease induction of Foxp3(hi) regulatory T cells. *European Journal of Immunology*, **2013**, 43, 723-33	6.1	13
31	Rotavirus NSP4 Triggers Secretion of Proinflammatory Cytokines from Macrophages via Toll-Like Receptor 2. *Journal of Virology*, **2013**, 87, 11160-7	6.6	55

30	Cloning, expression, purification, crystallization and preliminary X-ray crystallographic analysis of the TIR domain from the Brucella melitensis TIR-domain-containing protein TcpB. *Acta Crystallographica Section F: Structural Biology Communications*, **2013**, 69, 1167-70		1
29	MyD88 is a critical regulator of hematopoietic cell-mediated neuroprotection seen after stroke. *PLoS ONE*, **2013**, 8, e57948	3.7	16
28	Adaptors in toll-like receptor signaling and their potential as therapeutic targets. *Current Drug Targets*, **2012**, 13, 1360-74	3	59
27	LPS hypersensitivity of gp130 mutant mice is independent of elevated haemopoietic TLR4 signaling. *Immunology and Cell Biology*, **2012**, 90, 559-63	5	12
26	Inflammatory and Immunoregulatory Signaling Pathways in Male Reproductive Function.. *Biology of Reproduction*, **2012**, 87, 25-25	3.9	
25	Toll-like receptors as interferon-regulated genes and their role in disease. *Journal of Interferon and Cytokine Research*, **2011**, 31, 13-25	3.5	41
24	The hepatitis B e antigen (HBeAg) targets and suppresses activation of the toll-like receptor signaling pathway. *Journal of Hepatology*, **2011**, 55, 762-9	13.4	145
23	Carbonylation caused by cigarette smoke extract is associated with defective macrophage immunity. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 45, 229-36	5.7	40
22	Suppressor of cytokine signaling (SOCS) 1 inhibits type I interferon (IFN) signaling via the interferon alpha receptor (IFNAR1)-associated tyrosine kinase Tyk2. *Journal of Biological Chemistry*, **2011**, 286, 33811-8	5.4	107
21	Crystal structure of Toll-like receptor adaptor MAL/TIRAP reveals the molecular basis for signal transduction and disease protection. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 14879-84	11.5	105
20	IL-6 trans-signaling modulates TLR4-dependent inflammatory responses via STAT3. *Journal of Immunology*, **2011**, 186, 1199-208	5.3	208
19	TIR-containing adaptors in Toll-like receptor signalling. *Cytokine*, **2010**, 49, 237-44	4	93
18	Toll/IL-1 signaling is critical for house dust mite-specific helper T cell type 2 and type 17 [corrected] responses. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 179, 883-93	10.2	136
17	MyD88 adapter-like (Mal)/TIRAP interaction with TRAF6 is critical for TLR2- and TLR4-mediated NF-kappaB proinflammatory responses. *Journal of Biological Chemistry*, **2009**, 284, 24192-203	5.4	148
16	Stimulation of the interleukin-1 receptor and Toll-like receptor 2 inhibits hepatitis B virus replication in hepatoma cell lines in vitro. *Antiviral Therapy*, **2009**, 14, 797-808	1.6	55
15	Different bacterial gene expression patterns and attenuated host immune responses are associated with the evolution of low-level vancomycin resistance during persistent methicillin-resistant Staphylococcus aureus bacteraemia. *BMC Microbiology*, **2008**, 8, 39	4.5	92
14	Activin A is a critical component of the inflammatory response, and its binding protein, follistatin, reduces mortality in endotoxemia. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16239-44	11.5	201
13	The negative regulation of Toll-like receptor and associated pathways. *Immunology and Cell Biology*, **2007**, 85, 425-34	5	102

12	Toll-like receptor signalling and the clinical benefits that lie within. *Inflammation Research*, **2007**, 56, 1-10	7.2	54
11	Lipid-containing mimetics of natural triggers of innate immunity as CTL-inducing influenza vaccines. *International Immunology*, **2006**, 18, 1801-13	4.9	53
10	Endogenous macrophage migration inhibitory factor modulates glucocorticoid sensitivity in macrophages via effects on MAP kinase phosphatase-1 and p38 MAP kinase. *FEBS Letters*, **2006**, 580, 974-81	3.8	86
9	Potential contribution of NF-kappaB in neuronal cell death in the glutathione peroxidase-1 knockout mouse in response to ischemia-reperfusion injury. *Stroke*, **2006**, 37, 1533-8	6.7	72
8	Suppressor of cytokine signaling 1 negatively regulates Toll-like receptor signaling by mediating Mal degradation. *Nature Immunology*, **2006**, 7, 148-55	19.1	428
7	Signaling Molecules Affecting Immune Response **2005**, 62-79		0
6	Mal interacts with tumor necrosis factor receptor-associated factor (TRAF)-6 to mediate NF-kappaB activation by toll-like receptor (TLR)-2 and TLR4. *Journal of Biological Chemistry*, **2004**, 279, 37227-30	5.4	92
5	Mal (MyD88-adapter-like) is required for Toll-like receptor-4 signal transduction. *Nature*, **2001**, 413, 78-83	30.4	980
4	Internalin B activates nuclear factor-kappa B via Ras, phosphoinositide 3-kinase, and Akt. *Journal of Biological Chemistry*, **2001**, 276, 43597-603	5.4	51
3	The serine protease inhibitor antithrombin III inhibits LPS-mediated NF-kappaB activation by TLR-4. *FEBS Letters*, **2001**, 508, 313-7	3.8	37
2	A novel function of InlB from Listeria monocytogenes: activation of NF-kappaB in J774 macrophages. *Cellular Microbiology*, **2000**, 2, 127-36	3.9	32
1	Synthetic peptide analogs of intercellular adhesion molecule 1 (ICAM-1) inhibit HIV-1 replication in MT-2 cells. *AIDS Research and Human Retroviruses*, **1993**, 9, 733-40	1.6	40