Matthew J Sweet

List of Publications by Citations

152 papers	10,542 citations	52 h-index	100 g-index
160 ext. papers	12,372 ext. citations	7 avg, IF	5.94 L-index

#	Paper	IF	Citations
152	HIN-200 proteins regulate caspase activation in response to foreign cytoplasmic DNA. *Science*, **2009**, 323, 1057-60	33.3	659
151	Endotoxin signal transduction in macrophages. *Journal of Leukocyte Biology*, **1996**, 60, 8-26	6.5	605
150	LPS-induced cytokine production in human monocytes and macrophages. *Critical Reviews in Immunology*, **2011**, 31, 379-446	1.8	380
149	Histone deacetylases as regulators of inflammation and immunity. *Trends in Immunology*, **2011**, 32, 335-43	14.4	363
148	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. *Nature Genetics*, **2009**, 41, 553-62	36.3	356
147	Expression analysis of G Protein-Coupled Receptors in mouse macrophages. *Immunome Research*, **2008**, 4, 5		328
146	Osteal macrophages promote in vivo intramembranous bone healing in a mouse tibial injury model. *Journal of Bone and Mineral Research*, **2011**, 26, 1517-32	6.3	303
145	BAFF and MyD88 signals promote a lupuslike disease independent of T cells. *Journal of Experimental Medicine*, **2007**, 204, 1959-71	16.6	303
144	The neutrophil NLRC4 inflammasome selectively promotes IL-1 maturation without pyroptosis during acute Salmonella challenge. *Cell Reports*, **2014**, 8, 570-82	10.6	252
143	Signal integration between IFNgamma and TLR signalling pathways in macrophages. *Immunobiology*, **2006**, 211, 511-24	3.4	236
142	Noncanonical inflammasome signaling elicits gasdermin D-dependent neutrophil extracellular traps. *Science Immunology*, **2018**, 3,	28	225
141	A novel pathway regulating lipopolysaccharide-induced shock by ST2/T1 via inhibition of Toll-like receptor 4 expression. *Journal of Immunology*, **2001**, 166, 6633-9	5.3	220
140	Conservation and divergence in Toll-like receptor 4-regulated gene expression in primary human versus mouse macrophages. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E944-53	11.5	212
139	LPS regulates proinflammatory gene expression in macrophages by altering histone deacetylase expression. *FASEB Journal*, **2006**, 20, 1315-27	0.9	182
138	Histone deacetylase inhibitors in inflammatory disease. *Current Topics in Medicinal Chemistry*, **2009**, 9, 309-19	3	157
137	The molecular basis for the lack of immunostimulatory activity of vertebrate DNA. *Journal of Immunology*, **2003**, 170, 3614-20	5.3	153
136	Interleukin-1 Maturation Triggers Its Relocation to the Plasma Membrane for Gasdermin-D-Dependent and -Independent Secretion. *Cell Reports*, **2018**, 24, 1425-1433	10.6	149

135	Gpnmb is induced in macrophages by IFN-gamma and lipopolysaccharide and acts as a feedback regulator of proinflammatory responses. *Journal of Immunology*, **2007**, 178, 6557-66	5.3	148
134	Differential effects of selective HDAC inhibitors on macrophage inflammatory responses to the Toll-like receptor 4 agonist LPS. *Journal of Leukocyte Biology*, **2010**, 87, 1103-14	6.5	142
133	Histone deacetylase inhibitors decrease Toll-like receptor-mediated activation of proinflammatory gene expression by impairing transcription factor recruitment. *Immunology*, **2007**, 122, 596-606	7.8	138
132	Uropathogenic Escherichia coli virulence and innate immune responses during urinary tract infection. *Current Opinion in Microbiology*, **2013**, 16, 100-7	7.9	136
131	Identification and characterization of a new family of cell-penetrating peptides: cyclic cell-penetrating peptides. *Journal of Biological Chemistry*, **2011**, 286, 36932-43	5.4	135
130	T1/ST2--an IL-1 receptor-like modulator of immune responses. *Cytokine and Growth Factor Reviews*, **2004**, 15, 87-95	17.9	135
129	The mammalian PYHIN gene family: phylogeny, evolution and expression. *BMC Evolutionary Biology*, **2012**, 12, 140	3	131
128	Cutting edge: species-specific TLR9-mediated recognition of CpG and non-CpG phosphorothioate-modified oligonucleotides. *Journal of Immunology*, **2005**, 174, 605-8	5.3	115
127	Acute lipopolysaccharide priming boosts inflammasome activation independently of inflammasome sensor induction. *Immunobiology*, **2012**, 217, 1325-9	3.4	109
126	Metal ions in macrophage antimicrobial pathways: emerging roles for zinc and copper. *Bioscience Reports*, **2013**, 33,	4.1	109
125	Genetic control of the innate immune response. *BMC Immunology*, **2003**, 4, 5	3.7	109
124	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
123	Opposing actions of c-ets/PU.1 and c-myb protooncogene products in regulating the macrophage-specific promoters of the human and mouse colony-stimulating factor-1 receptor (c-fms) genes. *Journal of Experimental Medicine*, **1994**, 180, 2309-19	16.6	105
122	Copper redistribution in murine macrophages in response to Salmonella infection. *Biochemical Journal*, **2012**, 444, 51-7	3.8	104
121	Transcriptional network dynamics in macrophage activation. *Genomics*, **2006**, 88, 133-42	4.3	104
120	Macrophages exposed continuously to lipopolysaccharide and other agonists that act via toll-like receptors exhibit a sustained and additive activation state. *BMC Immunology*, **2001**, 2, 11	3.7	93
119	The multi-copper-ion oxidase CueO of Salmonella enterica serovar Typhimurium is required for systemic virulence. *Infection and Immunity*, **2010**, 78, 2312-9	3.7	91
118	CAT2-mediated l-arginine transport and nitric oxide production in activated macrophages. *Biochemical Journal*, **1999**, 340, 549-553	3.8	89

117	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
116	Rab8a interacts directly with PI3K to modulate TLR4-driven PI3K and mTOR signalling. *Nature Communications*, **2014**, 5, 4407	17.4	85
115	Colony-stimulating factor-1 suppresses responses to CpG DNA and expression of toll-like receptor 9 but enhances responses to lipopolysaccharide in murine macrophages. *Journal of Immunology*, **2002**, 168, 392-9	5.3	85
114	Mammalian lipid droplets are innate immune hubs integrating cell metabolism and host defense. *Science*, **2020**, 370,	33.3	82
113	G-protein-coupled receptor expression, function, and signaling in macrophages. *Journal of Leukocyte Biology*, **2007**, 82, 16-32	6.5	81
112	Histone deacetylases in monocyte/macrophage development, activation and metabolism: refining HDAC targets for inflammatory and infectious diseases. *Clinical and Translational Immunology*, **2016**, 5, e62	6.8	71
111	IFN-gamma primes macrophage responses to bacterial DNA. *Journal of Interferon and Cytokine Research*, **1998**, 18, 263-71	3.5	70
110	Differences in macrophage activation by bacterial DNA and CpG-containing oligonucleotides. *Journal of Immunology*, **2005**, 175, 3569-76	5.3	66
109	A CSF-1 receptor kinase inhibitor targets effector functions and inhibits pro-inflammatory cytokine production from murine macrophage populations. *FASEB Journal*, **2006**, 20, 1921-3	0.9	64
108	HDAC inhibitors: modulating leukocyte differentiation, survival, proliferation and inflammation. *Immunology and Cell Biology*, **2012**, 90, 14-22	5	62
107	Protective role for Toll-like receptor-9 in the development of atherosclerosis in apolipoprotein E-deficient mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 516-25	9.4	61
106	Histone deacetylase 7 promotes Toll-like receptor 4-dependent proinflammatory gene expression in macrophages. *Journal of Biological Chemistry*, **2013**, 288, 25362-25374	5.4	61
105	Inflammatory responses induced by lipopolysaccharide are amplified in primary human monocytes but suppressed in macrophages by complement protein C5a. *Journal of Immunology*, **2013**, 191, 4308-16	5.3	60
104	Colony-stimulating factor-1 (CSF-1) delivers a proatherogenic signal to human macrophages. *Journal of Leukocyte Biology*, **2009**, 85, 278-88	6.5	60
103	Strain- and host species-specific inflammasome activation, IL-1 release, and cell death in macrophages infected with uropathogenic Escherichia coli. *Mucosal Immunology*, **2016**, 9, 124-36	9.2	57
102	CpG DNA activates survival in murine macrophages through TLR9 and the phosphatidylinositol 3-kinase-Akt pathway. *Journal of Immunology*, **2006**, 177, 4473-80	5.3	56
101	The co-transcriptome of uropathogenic Escherichia coli-infected mouse macrophages reveals new insights into host-pathogen interactions. *Cellular Microbiology*, **2015**, 17, 730-46	3.9	55
100	Macrophage activation and differentiation signals regulate schlafen-4 gene expression: evidence for Schlafen-4 as a modulator of myelopoiesis. *PLoS ONE*, **2011**, 6, e15723	3.7	50

99	Phosphoinositide 3-kinase regulates membrane fission of Golgi carriers for selective cytokine secretion. *Journal of Cell Biology*, **2010**, 190, 1053-65	7.3	50
98	Salmonella employs multiple mechanisms to subvert the TLR-inducible zinc-mediated antimicrobial response of human macrophages. *FASEB Journal*, **2016**, 30, 1901-12	0.9	49
97	Intramacrophage survival of uropathogenic Escherichia coli: differences between diverse clinical isolates and between mouse and human macrophages. *Immunobiology*, **2011**, 216, 1164-71	3.4	49
96	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
95	Innate immune perturbations, accumulating DAMPs and inflammasome dysregulation: A ticking time bomb in ageing. *Ageing Research Reviews*, **2015**, 24, 40-53	12	43
94	LPS regulates a set of genes in primary murine macrophages by antagonising CSF-1 action. *Immunobiology*, **2005**, 210, 97-107	3.4	43
93	Hyaluronan synthase 2-mediated hyaluronan production mediates Notch1 activation and liver fibrosis. *Science Translational Medicine*, **2019**, 11,	17.5	42
92	Using the MCoTI-II Cyclotide Scaffold To Design a Stable Cyclic Peptide Antagonist of SET, a Protein Overexpressed in Human Cancer. *Biochemistry*, **2016**, 55, 396-405	3.2	41
91	HMGB1 binds to activated platelets via the receptor for advanced glycation end products and is present in platelet rich human coronary artery thrombi. *Thrombosis and Haemostasis*, **2015**, 114, 994-1003	7	41
90	Differential effects of CpG DNA on IFN-beta induction and STAT1 activation in murine macrophages versus dendritic cells: alternatively activated STAT1 negatively regulates TLR signaling in macrophages. *Journal of Immunology*, **2007**, 179, 3495-503	5.3	41
89	Receptor-interacting protein kinase 4 and interferon regulatory factor 6 function as a signaling axis to regulate keratinocyte differentiation. *Journal of Biological Chemistry*, **2014**, 289, 31077-87	5.4	40
88	Small GTPase Rab8a-recruited Phosphatidylinositol 3-Kinase Regulates Signaling and Cytokine Outputs from Endosomal Toll-like Receptors. *Journal of Biological Chemistry*, **2017**, 292, 4411-4422	5.4	39
87	An antioxidant role for catecholate siderophores in Salmonella. *Biochemical Journal*, **2013**, 454, 543-9	3.8	39
86	Lysine Deacetylases and Regulated Glycolysis in Macrophages. *Trends in Immunology*, **2018**, 39, 473-488	14.4	37
85	Towards isozyme-selective HDAC inhibitors for interrogating disease. *Current Topics in Medicinal Chemistry*, **2012**, 12, 1479-99	3	37
84	PU.1 and ICSBP control constitutive and IFN-gamma-regulated Tlr9 gene expression in mouse macrophages. *Journal of Leukocyte Biology*, **2007**, 81, 1577-90	6.5	37
83	CAT2-mediated L-arginine transport and nitric oxide production in activated macrophages. *Biochemical Journal*, **1999**, 340, 549	3.8	37
82	Senescent human hepatocytes express a unique secretory phenotype and promote macrophage migration. *World Journal of Gastroenterology*, **2014**, 20, 17851-62	5.6	37

81	CSF-1 as a regulator of macrophage activation and immune responses. *Archivum Immunologiae Et Therapiae Experimentalis*, **2003**, 51, 169-77	4	37
80	Differential Anti-inflammatory Activity of HDAC Inhibitors in Human Macrophages and Rat Arthritis. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 356, 387-96	4.7	35
79	Portal, but not lobular, macrophages express matrix metalloproteinase-9: association with the ductular reaction and fibrosis in chronic hepatitis C. *Liver International*, **2013**, 33, 569-79	7.9	35
78	The cytochrome bd-I respiratory oxidase augments survival of multidrug-resistant Escherichia coli during infection. *Scientific Reports*, **2016**, 6, 35285	4.9	34
77	Effects of the tat and nef gene products of human immunodeficiency virus type 1 (HIV-1) on transcription controlled by the HIV-1 long terminal repeat and on cell growth in macrophages. *Journal of Virology*, **1993**, 67, 6956-64	6.6	34
76	TLR3 drives IRF6-dependent IL-23p19 expression and p19/EBI3 heterodimer formation in keratinocytes. *Immunology and Cell Biology*, **2015**, 93, 771-9	5	33
75	Histone Deacetylase Inhibitors Promote Mitochondrial Reactive Oxygen Species Production and Bacterial Clearance by Human Macrophages. *Antimicrobial Agents and Chemotherapy*, **2015**, 60, 1521-9	5.9	33
74	An mRNA atlas of G protein-coupled receptor expression during primary human monocyte/macrophage differentiation and lipopolysaccharide-mediated activation identifies targetable candidate regulators of inflammation. *Immunobiology*, **2013**, 218, 1345-53	3.4	33
73	Differences in the repertoire, regulation and function of Toll-like Receptors and inflammasome-forming Nod-like Receptors between human and mouse. *Current Opinion in Microbiology*, **2013**, 16, 303-10	7.9	33
72	Selective induction of the Notch ligand Jagged-1 in macrophages by soluble egg antigen from Schistosoma mansoni involves ERK signalling. *Immunology*, **2009**, 127, 326-37	7.8	33
71	For when bacterial infections persist: Toll-like receptor-inducible direct antimicrobial pathways in macrophages. *Journal of Leukocyte Biology*, **2018**, 103, 35-51	6.5	32
70	CRIg-expressing peritoneal macrophages are associated with disease severity in patients with cirrhosis and ascites. *JCI Insight*, **2016**, 1, e86914	9.9	32
69	SCIMP is a transmembrane non-TIR TLR adaptor that promotes proinflammatory cytokine production from macrophages. *Nature Communications*, **2017**, 8, 14133	17.4	30
68	Inhibition of Histone Deacetylases Permits Lipopolysaccharide-Mediated Secretion of Bioactive IL-1 via a Caspase-1-Independent Mechanism. *Journal of Immunology*, **2015**, 195, 5421-31	5.3	30
67	The actions of bacterial DNA on murine macrophages. *Journal of Leukocyte Biology*, **1999**, 66, 542-8	6.5	30
66	DNA motifs suppressing TLR9 responses. *Critical Reviews in Immunology*, **2006**, 26, 527-44	1.8	30
65	Receptor residence time trumps drug-likeness and oral bioavailability in determining efficacy of complement C5a antagonists. *Scientific Reports*, **2016**, 6, 24575	4.9	30
64	Genome-Wide Discovery of Genes Required for Capsule Production by Uropathogenic. *MBio*, **2017**, 8,	7.8	29

63	Tumor cell-expressed SerpinB2 is present on microparticles and inhibits metastasis. *Cancer Medicine*, **2014**, 3, 500-13	4.8	29
62	Inhibitors selective for HDAC6 in enzymes and cells. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 7067-70	2.9	29
61	Macrophage secretory products induce an inflammatory phenotype in hepatocytes. *World Journal of Gastroenterology*, **2012**, 18, 1732-44	5.6	29
60	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. *Journal of Immunology*, **2015**, 195, 1233-41	5.3	28
59	The toll-like receptor 3 pathway in homeostasis, responses to injury and wound repair. *Seminars in Cell and Developmental Biology*, **2017**, 61, 22-30	7.5	27
58	Recombinant Wnt3a and Wnt5a elicit macrophage cytokine production and tolerization to microbial stimulation via Toll-like receptor 4. *European Journal of Immunology*, **2014**, 44, 1480-90	6.1	26
57	Uropathogenic employs both evasion and resistance to subvert innate immune-mediated zinc toxicity for dissemination. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 6341-6350	11.5	25
56	Class IIa Histone Deacetylases Drive Toll-like Receptor-Inducible Glycolysis and Macrophage Inflammatory Responses via Pyruvate Kinase M2. *Cell Reports*, **2020**, 30, 2712-2728.e8	10.6	25
55	Interferon regulatory factor 6 differentially regulates Toll-like receptor 2-dependent chemokine gene expression in epithelial cells. *Journal of Biological Chemistry*, **2014**, 289, 19758-68	5.4	25
54	Uropathogenic Escherichia coli Engages CD14-Dependent Signaling to Enable Bladder-Macrophage-Dependent Control of Acute Urinary Tract Infection. *Journal of Infectious Diseases*, **2016**, 213, 659-68	7	24
53	The role of H4 flagella in Escherichia coli ST131 virulence. *Scientific Reports*, **2015**, 5, 16149	4.9	24
52	Regulation of hemolysin in uropathogenic Escherichia coli fine-tunes killing of human macrophages. *Virulence*, **2018**, 9, 967-980	4.7	22
51	Deletion of Wntless in myeloid cells exacerbates liver fibrosis and the ductular reaction in chronic liver injury. *Fibrogenesis and Tissue Repair*, **2015**, 8, 19		22
50	An HDAC6 Inhibitor Confers Protection and Selectively Inhibits B-Cell Infiltration in DSS-Induced Colitis in Mice. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 360, 140-151	4.7	21
49	A conserved distal segment of the mouse CSF-1 receptor promoter is required for maximal expression of a reporter gene in macrophages and osteoclasts of transgenic mice. *Journal of Leukocyte Biology*, **2010**, 87, 815-22	6.5	21
48	Hepatic expression profiling identifies steatosis-independent and steatosis-driven advanced fibrosis genes. *JCI Insight*, **2018**, 3,	9.9	21
47	Group A streptococcal pharyngitis: Immune responses involved in bacterial clearance and GAS-associated immunopathologies. *Journal of Leukocyte Biology*, **2018**, 103, 193-213	6.5	20
46	The mammalian DUF59 protein Fam96a forms two distinct types of domain-swapped dimer. *Acta Crystallographica Section D: Biological Crystallography*, **2012**, 68, 637-48		20

45	Regulation of the endosomal SNARE protein syntaxin 7 by colony-stimulating factor 1 in macrophages. *Molecular and Cellular Biology*, **2008**, 28, 6149-59	4.8	20
44	Experimental and bioinformatic characterisation of the promoter region of the Marfan syndrome gene, FBN1. *Genomics*, **2009**, 94, 233-40	4.3	18
43	Development and characterization of new inhibitors of the human and mouse hematopoietic prostaglandin D(2) synthases. *Journal of Medicinal Chemistry*, **2010**, 53, 5536-48	8.3	17
42	The murine neutrophil NLRP3 inflammasome is activated by soluble but not particulate or crystalline agonists. *European Journal of Immunology*, **2016**, 46, 1004-10	6.1	17
41	Regulation of ST2L expression on T helper (Th) type 2 cells. *European Journal of Immunology*, **2001**, 31, 2979-85	6.1	16
40	Lipopolysaccharide promotes Drp1-dependent mitochondrial fission and associated inflammatory responses in macrophages. *Immunology and Cell Biology*, **2020**, 98, 528-539	5	16
39	Minocycline Prevents the Development of Mechanical Allodynia in Mouse Models of Vincristine-Induced Peripheral Neuropathy. *Frontiers in Neuroscience*, **2019**, 13, 653	5.1	15
38	Beta-arrestin 2 is required for complement C1q expression in macrophages and constrains factor-independent survival. *Molecular Immunology*, **2009**, 47, 340-7	4.3	15
37	Group A M1T1 Intracellular Infection of Primary Tonsil Epithelial Cells Dampens Levels of Secreted IL-8 Through the Action of SpyCEP. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 160	5.9	14
36	Analysis of the N-terminal region of human MLKL, as well as two distinct MLKL isoforms, reveals new insights into necroptotic cell death. *Bioscience Reports*, **2015**, 36, e00291	4.1	14
35	Inhibitors of class I histone deacetylases attenuate thioacetamide-induced liver fibrosis in mice by suppressing hepatic type 2 inflammation. *British Journal of Pharmacology*, **2019**, 176, 3775-3790	8.6	13
34	Towards selective lysophospholipid GPCR modulators. *Trends in Pharmacological Sciences*, **2014**, 35, 219-26	12.2	13
33	In life there is death: How epithelial tissue barriers are preserved despite the challenge of apoptosis. *Tissue Barriers*, **2017**, 5, e1345353	4.3	12
32	The immunostimulatory activity of phosphorothioate CpG oligonucleotides is affected by distal sequence changes. *Molecular Immunology*, **2011**, 48, 1027-34	4.3	12
31	B cells do not take up bacterial DNA: an essential role for antigen in exposure of DNA to toll-like receptor-9. *Immunology and Cell Biology*, **2011**, 89, 517-25	5	12
30	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
29	TLR9-independent effects of inhibitory oligonucleotides on macrophage responses to S. typhimurium. *Immunology and Cell Biology*, **2009**, 87, 218-25	5	11
28	Variation in hemolysin A expression between uropathogenic isolates determines NLRP3-dependent -independent macrophage cell death and host colonization. *FASEB Journal*, **2019**, 33, 7437-7450	0.9	9

27	The E3 ubiquitin ligase RNF144B is LPS-inducible in human, but not mouse, macrophages and promotes inducible IL-1 expression. *Journal of Leukocyte Biology*, **2016**, 100, 155-61	6.5	9
26	The structure of the caspase recruitment domain of BinCARD reveals that all three cysteines can be oxidized. *Acta Crystallographica Section D: Biological Crystallography*, **2013**, 69, 774-84		9
25	Bacterial lipopolysaccharide confers resistance to G418, doxorubicin, and taxol in the murine macrophage cell line, RAW264. *Journal of Leukocyte Biology*, **1996**, 59, 280-6	6.5	9
24	SCIMP is a universal Toll-like receptor adaptor in macrophages. *Journal of Leukocyte Biology*, **2020**, 107, 251-262	6.5	8
23	Transposon-triggered innate immune response confers cancer resistance to the blind mole rat. *Nature Immunology*, **2021**, 22, 1219-1230	19.1	8
22	Restriction of chronic Escherichia coli urinary tract infection depends upon T cell-derived interleukin-17, a deficiency of which predisposes to flagella-driven bacterial persistence. *FASEB Journal*, **2020**, 34, 14572-14587	0.9	7
21	Nicotinamide riboside attenuates age-associated metabolic and functional changes in hematopoietic stem cells. *Nature Communications*, **2021**, 12, 2665	17.4	7
20	Development of SH2 probes and pull-down assays to detect pathogen-induced, site-specific tyrosine phosphorylation of the TLR adaptor SCIMP. *Immunology and Cell Biology*, **2017**, 95, 564-570	5	6
19	pTRAPs: Transmembrane adaptors in innate immune signaling. *Journal of Leukocyte Biology*, **2018**, 103, 1011	6.5	6
18	Complex Multilevel Control of Hemolysin Production by Uropathogenic Escherichia coli. *MBio*, **2019**, 10,	7.8	6
17	An alloy of zinc and innate immunity: Galvanising host defence against infection. *Cellular Microbiology*, **2021**, 23, e13268	3.9	5
16	Frontline Science: LPS-inducible SLC30A1 drives human macrophage-mediated zinc toxicity against intracellular Escherichia coli. *Journal of Leukocyte Biology*, **2021**, 109, 287-297	6.5	5
15	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
14	Co-transcriptomic Analysis by RNA Sequencing to Simultaneously Measure Regulated Gene Expression in Host and Bacterial Pathogen. *Methods in Molecular Biology*, **2016**, 1390, 145-58	1.4	4
13	Lipid droplets and the host-pathogen dynamic: FATal attraction?. *Journal of Cell Biology*, **2021**, 220,	7.3	4
12	HDAC7 Inhibition by Phenacetyl and Phenylbenzoyl Hydroxamates. *Journal of Medicinal Chemistry*, **2021**, 64, 2186-2204	8.3	4
11	SCIMP is a spatiotemporal transmembrane scaffold for Erk1/2 to direct pro-inflammatory signaling in TLR-activated macrophages. *Cell Reports*, **2021**, 36, 109662	10.6	3
10	Modified horseshoe crab peptides target and kill bacteria inside host cells.. *Cellular and Molecular Life Sciences*, **2021**,	10.3	3

9	An alternative downstream translation start site in the non-TIR adaptor Scimp enables selective amplification of CpG DNA responses in mouse macrophages.. *Immunology and Cell Biology*, **2022**,	5	2
8	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
7	Disruption of the circadian clock component BMAL1 elicits an endocrine adaption impacting on insulin sensitivity and liver disease.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2200083119	11.5	1
6	Inhibition of the master regulator of Listeria monocytogenes virulence enables bacterial clearance from spacious replication vacuoles in infected macrophages.. *PLoS Pathogens*, **2022**, 18, e1010166	7.6	0
5	The transmembrane adaptor SCIMP recruits tyrosine kinase Syk to phosphorylate Toll-like receptors to mediate selective inflammatory outputs.. *Journal of Biological Chemistry*, **2022**, 101857	5.4	0
4	Dead cells certainly do matter, particularly when they can speak from the grave. *Journal of Leukocyte Biology*, **2010**, 88, 1065-1066	6.5	
3	Evolutionary Divergence in Human Versus Mouse Innate Immune Gene Regulation and Function **2014**, 115-155		
2	A sprinkle of salt in the pressure cooker of innate immunity and inflammation. *Immunology and Cell Biology*, **2021**, 99, 9-12	5	
1	Quantifying Regulated Mitochondrial Fission in Macrophages. *Methods in Molecular Biology*, **2022**, 281-301	1.4	