

# Stefanie N Vogel

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1554149/stefanie-n-vogel-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

217  
papers

20,960  
citations

74  
h-index

142  
g-index

237  
ext. papers

23,513  
ext. citations

6.6  
avg. IF

6.52  
L-index

#	Paper	IF	Citations
217	Macrophage activation and polarization: nomenclature and experimental guidelines. <i>Immunity</i> , <b>2014</b> , 41, 14-20	32.3	3249
216	Cutting edge: repurification of lipopolysaccharide eliminates signaling through both human and murine toll-like receptor 2. <i>Journal of Immunology</i> , <b>2000</b> , 165, 618-22	5.3	957
215	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. <i>Nature Immunology</i> , <b>2010</b> , 11, 395-402	19.1	944
214	TLR4, but not TLR2, mediates IFN-beta-induced STAT1alpha/beta-dependent gene expression in macrophages. <i>Nature Immunology</i> , <b>2002</b> , 3, 392-8	19.1	675
213	Signaling by toll-like receptor 2 and 4 agonists results in differential gene expression in murine macrophages. <i>Infection and Immunity</i> , <b>2001</b> , 69, 1477-82	3.7	541
212	Inhibition of lipopolysaccharide-induced signal transduction in endotoxin-tolerized mouse macrophages: dysregulation of cytokine, chemokine, and toll-like receptor 2 and 4 gene expression. <i>Journal of Immunology</i> , <b>2000</b> , 164, 5564-74	5.3	439
211	Toll receptors, CD14, and macrophage activation and deactivation by LPS. <i>Microbes and Infection</i> , <b>2002</b> , 4, 903-14	9.3	428
210	CD11b/CD18 acts in concert with CD14 and Toll-like receptor (TLR) 4 to elicit full lipopolysaccharide and taxol-inducible gene expression. <i>Journal of Immunology</i> , <b>2001</b> , 166, 574-81	5.3	329
209	Negative regulation of Toll-like receptor 4 signaling by the Toll-like receptor homolog RP105. <i>Nature Immunology</i> , <b>2005</b> , 6, 571-8	19.1	313
208	The TLR4 antagonist Eritoran protects mice from lethal influenza infection. <i>Nature</i> , <b>2013</b> , 497, 498-502	50.4	310
207	Genetic and physical mapping of the Lps locus: identification of the toll-4 receptor as a candidate gene in the critical region. <i>Blood Cells, Molecules, and Diseases</i> , <b>1998</b> , 24, 340-55	2.1	280
206	Induction of in vitro reprogramming by Toll-like receptor (TLR)2 and TLR4 agonists in murine macrophages: effects of TLR "homotolerance" versus "heterotolerance" on NF-kappa B signaling pathway components. <i>Journal of Immunology</i> , <b>2003</b> , 170, 508-19	5.3	270
205	Selective roles for Toll-like receptor (TLR)2 and TLR4 in the regulation of neutrophil activation and life span. <i>Journal of Immunology</i> , <b>2003</b> , 170, 5268-75	5.3	264
204	Identification of human zonulin, a physiological modulator of tight junctions, as prehaptoglobin-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 16799-804	11.5	251
203	Differential effects of a Toll-like receptor antagonist on Mycobacterium tuberculosis-induced macrophage responses. <i>Journal of Immunology</i> , <b>2001</b> , 166, 4074-82	5.3	245
202	Dysregulation of LPS-induced Toll-like receptor 4-MyD88 complex formation and IL-1 receptor-associated kinase 1 activation in endotoxin-tolerant cells. <i>Journal of Immunology</i> , <b>2002</b> , 169, 5209-16	5.3	241
201	Mouse, but not human STING, binds and signals in response to the vascular disrupting agent 5,6-dimethylxanthenone-4-acetic acid. <i>Journal of Immunology</i> , <b>2013</b> , 190, 5216-25	5.3	237

200	Distinct mutations in IRAK-4 confer hyporesponsiveness to lipopolysaccharide and interleukin-1 in a patient with recurrent bacterial infections. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 198, 521-31	16.6	237
199	An angiogenic switch in macrophages involving synergy between Toll-like receptors 2, 4, 7, and 9 and adenosine A(2A) receptors. <i>American Journal of Pathology</i> , <b>2003</b> , 163, 711-21	5.8	227
198	Role of the phosphatidylinositol 3 kinase-Akt pathway in the regulation of IL-10 and IL-12 by <i>Porphyromonas gingivalis</i> lipopolysaccharide. <i>Journal of Immunology</i> , <b>2003</b> , 171, 717-25	5.3	226
197	The role of macrophages in the acute-phase response: SAA inducer is closely related to lymphocyte activating factor and endogenous pyrogen. <i>Cellular Immunology</i> , <b>1981</b> , 63, 164-76	4.4	214
196	TLR4/MyD88/PI3K interactions regulate TLR4 signaling. <i>Journal of Leukocyte Biology</i> , <b>2009</b> , 85, 966-77	6.5	211
195	Overexpression of monocyte chemoattractant protein 1 in the brain exacerbates ischemic brain injury and is associated with recruitment of inflammatory cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2003</b> , 23, 748-55	7.3	203
194	Analysis of TLR4 polymorphic variants: new insights into TLR4/MD-2/CD14 stoichiometry, structure, and signaling. <i>Journal of Immunology</i> , <b>2006</b> , 177, 322-32	5.3	197
193	TLRs: differential adapter utilization by toll-like receptors mediates TLR-specific patterns of gene expression. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , <b>2003</b> , 3, 466-77		192
192	Toll-like receptors in health and disease: complex questions remain. <i>Journal of Immunology</i> , <b>2003</b> , 171, 1630-5	5.3	182
191	Monokine-induced synthesis of serum amyloid A protein by hepatocytes. <i>Nature</i> , <b>1980</b> , 285, 498-500	50.4	172
190	Gliadin stimulation of murine macrophage inflammatory gene expression and intestinal permeability are MyD88-dependent: role of the innate immune response in Celiac disease. <i>Journal of Immunology</i> , <b>2006</b> , 176, 2512-21	5.3	169
189	TLR2 and TLR4 serve distinct roles in the host immune response against <i>Mycobacterium bovis</i> BCG. <i>Journal of Leukocyte Biology</i> , <b>2003</b> , 74, 277-86	6.5	166
188	The CATERPILLER protein monarch-1 is an antagonist of toll-like receptor-, tumor necrosis factor alpha-, and <i>Mycobacterium tuberculosis</i> -induced pro-inflammatory signals. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 39914-24	5.4	165
187	Tolerance to microbial TLR ligands: molecular mechanisms and relevance to disease. <i>Journal of Endotoxin Research</i> , <b>2006</b> , 12, 133-50		163
186	Interferons with special emphasis on the immune system. <i>Advances in Immunology</i> , <b>1983</b> , 34, 97-140	5.6	159
185	Association of TLR4 polymorphisms with symptomatic respiratory syncytial virus infection in high-risk infants and young children. <i>Journal of Immunology</i> , <b>2007</b> , 179, 3171-7	5.3	153
184	Tobacco smoking inhibits expression of proinflammatory cytokines and activation of IL-1R-associated kinase, p38, and NF-kappaB in alveolar macrophages stimulated with TLR2 and TLR4 agonists. <i>Journal of Immunology</i> , <b>2007</b> , 179, 6097-106	5.3	149
183	Role of TLR4 tyrosine phosphorylation in signal transduction and endotoxin tolerance. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 16042-53	5.4	148

182	Differential induction of endotoxin tolerance by lipopolysaccharides derived from <i>Porphyromonas gingivalis</i> and <i>Escherichia coli</i> . <i>Journal of Immunology</i> , <b>2001</b> , 167, 5278-85	5.3	148
181	Induction of IFN-gamma in macrophages by lipopolysaccharide. <i>International Immunology</i> , <b>1993</b> , 5, 1383-92	4.2	138
180	Induction of tolerance to lipopolysaccharide and mycobacterial components in Chinese hamster ovary/CD14 cells is not affected by overexpression of Toll-like receptors 2 or 4. <i>Journal of Immunology</i> , <b>2001</b> , 167, 2257-67	5.3	134
179	5,6-Dimethylxanthenone-4-acetic acid (DMXAA) activates stimulator of interferon gene (STING)-dependent innate immune pathways and is regulated by mitochondrial membrane potential. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 39776-88	5.4	127
178	Pivotal advance: activation of cell surface Toll-like receptors causes shedding of the hemoglobin scavenger receptor CD163. <i>Journal of Leukocyte Biology</i> , <b>2006</b> , 80, 26-35	6.5	126
177	Contribution of interferon-beta to the murine macrophage response to the toll-like receptor 4 agonist, lipopolysaccharide. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 31119-30	5.4	123
176	Interferon regulatory factor (IRF)-1 and IRF-2 regulate interferon gamma-dependent cyclooxygenase 2 expression. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 191, 2131-44	16.6	117
175	Toll-like receptor 2 is required for inflammatory responses to <i>Francisella tularensis</i> LVS. <i>Infection and Immunity</i> , <b>2006</b> , 74, 2809-16	3.7	115
174	The chemotherapeutic agent DMXAA potently and specifically activates the TBK1-IRF-3 signaling axis. <i>Journal of Experimental Medicine</i> , <b>2007</b> , 204, 1559-69	16.6	114
173	Flagellin of enteropathogenic <i>Escherichia coli</i> stimulates interleukin-8 production in T84 cells. <i>Infection and Immunity</i> , <b>2003</b> , 71, 2120-9	3.7	114
172	Type I IL-4Rs selectively activate IRS-2 to induce target gene expression in macrophages. <i>Science Signaling</i> , <b>2008</b> , 1, ra17	8.8	113
171	<i>Francisella tularensis</i> live vaccine strain induces macrophage alternative activation as a survival mechanism. <i>Journal of Immunology</i> , <b>2008</b> , 181, 4159-67	5.3	110
170	Pulmonary and hepatic gene expression following cecal ligation and puncture: monophosphoryl lipid A prophylaxis attenuates sepsis-induced cytokine and chemokine expression and neutrophil infiltration. <i>Infection and Immunity</i> , <b>1998</b> , 66, 3569-78	3.7	110
169	TLR4 signaling is coupled to SRC family kinase activation, tyrosine phosphorylation of zonula adherens proteins, and opening of the paracellular pathway in human lung microvascular endothelia. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 13437-49	5.4	106
168	Analysis of proteinase-activated receptor 2 and TLR4 signal transduction: a novel paradigm for receptor cooperativity. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 24314-25	5.4	104
167	Sustained generation of nitric oxide and control of mycobacterial infection requires argininosuccinate synthase 1. <i>Cell Host and Microbe</i> , <b>2012</b> , 12, 313-23	23.4	102
166	Immunologic consequences of <i>Francisella tularensis</i> live vaccine strain infection: role of the innate immune response in infection and immunity. <i>Journal of Immunology</i> , <b>2006</b> , 176, 6888-99	5.3	96
165	Toll-like receptor 2-mediated signaling requirements for <i>Francisella tularensis</i> live vaccine strain infection of murine macrophages. <i>Infection and Immunity</i> , <b>2007</b> , 75, 4127-37	3.7	96

164	Up-regulation of human monocyte CD163 upon activation of cell-surface Toll-like receptors. <i>Journal of Leukocyte Biology</i> , <b>2007</b> , 81, 663-71	6.5	96
163	The Asp299Gly polymorphism alters TLR4 signaling by interfering with recruitment of MyD88 and TRIF. <i>Journal of Immunology</i> , <b>2012</b> , 188, 4506-15	5.3	95
162	Murine B cell response to TLR7 ligands depends on an IFN-beta feedback loop. <i>Journal of Immunology</i> , <b>2009</b> , 183, 1569-76	5.3	93
161	Antigen-specific B-1a antibodies induced by Francisella tularensis LPS provide long-term protection against F. tularensis LVS challenge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 4343-8	11.5	91
160	Transcriptional regulation of murine IL-33 by TLR and non-TLR agonists. <i>Journal of Immunology</i> , <b>2012</b> , 189, 50-60	5.3	90
159	CD14 dependence of TLR4 endocytosis and TRIF signaling displays ligand specificity and is dissociable in endotoxin tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8391-6	11.5	88
158	Induced pluripotent stem cell model recapitulates pathologic hallmarks of Gaucher disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 18054-9	11.5	87
157	TLR4 antagonist FP7 inhibits LPS-induced cytokine production and glycolytic reprogramming in dendritic cells, and protects mice from lethal influenza infection. <i>Scientific Reports</i> , <b>2017</b> , 7, 40791	4.9	86
156	Toll-like receptors 2 and 4 activate STAT1 serine phosphorylation by distinct mechanisms in macrophages. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 22506-12	5.4	86
155	The transcription factor interferon regulatory factor 1 is expressed after cerebral ischemia and contributes to ischemic brain injury. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 189, 719-27	16.6	86
154	Cutting edge: Mycobacterium tuberculosis but not nonvirulent mycobacteria inhibits IFN- $\gamma$ and AIM2 inflammasome-dependent IL-1 $\beta$ production via its ESX-1 secretion system. <i>Journal of Immunology</i> , <b>2013</b> , 191, 3514-8	5.3	83
153	Toll-like receptor (TLR)2 and TLR4 agonists regulate CCR expression in human monocytic cells. <i>Journal of Immunology</i> , <b>2004</b> , 172, 4977-86	5.3	83
152	The TLR4 agonist, monophosphoryl lipid A, attenuates the cytokine storm associated with respiratory syncytial virus vaccine-enhanced disease. <i>Vaccine</i> , <b>2006</b> , 24, 5027-35	4.1	81
151	Inhibition of TLR2 signaling by small molecule inhibitors targeting a pocket within the TLR2 TIR domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5455-60	11.5	80
150	Mice deficient in the CXCR2 ligand, CXCL1 (KC/GRO-alpha), exhibit increased susceptibility to dextran sodium sulfate (DSS)-induced colitis. <i>Innate Immunity</i> , <b>2008</b> , 14, 117-24	2.7	80
149	Induction of proinflammatory and chemokine genes by lipopolysaccharide and paclitaxel (Taxol) in murine and human breast cancer cell lines. <i>Cytokine</i> , <b>2001</b> , 15, 156-65	4	80
148	Annexin A2 tetramer activates human and murine macrophages through TLR4. <i>Blood</i> , <b>2010</b> , 115, 549-58	2.2	78
147	Toll-like receptor 4 and Toll-IL-1 receptor domain-containing adapter protein (TIRAP)/myeloid differentiation protein 88 adapter-like (Mal) contribute to maximal IL-6 expression in macrophages. <i>Journal of Immunology</i> , <b>2002</b> , 169, 5874-80	5.3	78

146	Differential involvement of BB loops of toll-IL-1 resistance (TIR) domain-containing adapter proteins in TLR4- versus TLR2-mediated signal transduction. <i>Journal of Immunology</i> , <b>2005</b> , 175, 494-500	5.3	77
145	The role of interleukin 1 in acute phase serum amyloid A (SAA) and serum amyloid P (SAP) biosynthesis. <i>Annals of the New York Academy of Sciences</i> , <b>1982</b> , 389, 137-50	6.5	75
144	Macrophage proinflammatory response to <i>Francisella tularensis</i> live vaccine strain requires coordination of multiple signaling pathways. <i>Journal of Immunology</i> , <b>2008</b> , 180, 6885-91	5.3	71
143	The proteasome as a lipopolysaccharide-binding protein in macrophages: differential effects of proteasome inhibition on lipopolysaccharide-induced signaling events. <i>Journal of Immunology</i> , <b>2003</b> , 171, 1515-25	5.3	71
142	Differential activation of human TLR4 by <i>Escherichia coli</i> and <i>Shigella flexneri</i> 2a lipopolysaccharide: combined effects of lipid A acylation state and TLR4 polymorphisms on signaling. <i>Journal of Immunology</i> , <b>2008</b> , 180, 1139-47	5.3	70
141	The proteasome: a central regulator of inflammation and macrophage function. <i>Immunologic Research</i> , <b>2005</b> , 31, 243-60	4.3	68
140	Cutting Edge: Differential inhibition of TLR signaling pathways by cell-permeable peptides representing BB loops of TLRs. <i>Journal of Immunology</i> , <b>2007</b> , 178, 2655-60	5.3	66
139	Targeting TLR4 signaling by TLR4 Toll/IL-1 receptor domain-derived decoy peptides: identification of the TLR4 Toll/IL-1 receptor domain dimerization interface. <i>Journal of Immunology</i> , <b>2011</b> , 186, 4819-27	5.3	63
138	Novel drugs targeting Toll-like receptors for antiviral therapy. <i>Future Virology</i> , <b>2014</b> , 9, 811-829	2.4	62
137	Respiratory syncytial virus (RSV) infection induces cyclooxygenase 2: a potential target for RSV therapy. <i>Journal of Immunology</i> , <b>2005</b> , 174, 4356-64	5.3	62
136	Pro- and Anti-Inflammatory Gene Expression in the Murine Small Intestine and Liver After Chronic Exposure to Alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2001</b> , 25, 579-589	3.7	59
135	New insights for development of a safe and protective RSV vaccine. <i>Hum Vaccin</i> , <b>2010</b> , 6, 482-92		57
134	Induction of early inflammatory gene expression in a murine model of nonresuscitated, fixed-volume hemorrhage. <i>Shock</i> , <b>2002</b> , 17, 322-8	3.4	54
133	Role of phosphatidylinositol-3 kinase in transcriptional regulation of TLR-induced IL-12 and IL-10 by Fc gamma receptor ligation in murine macrophages. <i>Journal of Immunology</i> , <b>2007</b> , 179, 236-46	5.3	52
132	Antigen-specific memory in B-1a and its relationship to natural immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5388-93	11.5	51
131	Targeting Toll-like receptor (TLR) signaling by Toll/interleukin-1 receptor (TIR) domain-containing adapter protein/MyD88 adapter-like (TIRAP/Mal)-derived decoy peptides. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 24641-8	5.4	51
130	Regulation of gene expression in mouse macrophages stimulated with bacterial CpG-DNA and lipopolysaccharide. <i>Journal of Leukocyte Biology</i> , <b>2002</b> , 72, 1234-45	6.5	51
129	An essential role for the antiviral endoribonuclease, RNase-L, in antibacterial immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 20816-21	11.5	50

128	An essential role for IFN- $\gamma$ in the induction of IFN-stimulated gene expression by LPS in macrophages. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 96, 591-600	6.5	49
127	Potential role for alternatively activated macrophages in the secondary bacterial infection during recovery from influenza. <i>Immunology Letters</i> , <b>2012</b> , 141, 227-34	4.1	49
126	Lipopolysaccharide-induced production of tumor necrosis factor activity in rats with and without risk factors for stroke. <i>Brain Research</i> , <b>1991</b> , 541, 115-20	3.7	49
125	AMP-activated Kinase (AMPK) Promotes Innate Immunity and Antiviral Defense through Modulation of Stimulator of Interferon Genes (STING) Signaling. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 292-304	5.4	48
124	Cutting edge: expression of IL-1 receptor-associated kinase-4 (IRAK-4) proteins with mutations identified in a patient with recurrent bacterial infections alters normal IRAK-4 interaction with components of the IL-1 receptor complex. <i>Journal of Immunology</i> , <b>2005</b> , 174, 6587-91	5.3	48
123	<i>Vibrio cholerae</i> flagellins induce Toll-like receptor 5-mediated interleukin-8 production through mitogen-activated protein kinase and NF-kappaB activation. <i>Infection and Immunity</i> , <b>2008</b> , 76, 5524-34	3.7	47
122	Mastoparan, a G protein agonist peptide, differentially modulates TLR4- and TLR2-mediated signaling in human endothelial cells and murine macrophages. <i>Journal of Immunology</i> , <b>2005</b> , 174, 4252-61	5.3	46
121	Regulation of lipopolysaccharide sensitivity by IFN regulatory factor-2. <i>Journal of Immunology</i> , <b>2003</b> , 170, 5739-47	5.3	46
120	Dissociation of endotoxin tolerance and differentiation of alternatively activated macrophages. <i>Journal of Immunology</i> , <b>2013</b> , 190, 4763-72	5.3	44
119	Differential modulation of macrophage membrane markers by interferon: analysis of Fc and C3b receptors, Mac-1 and Ia antigen expression. <i>Journal of Interferon Research</i> , <b>1983</b> , 3, 153-60		44
118	A Decoy Peptide that Disrupts TIRAP Recruitment to TLRs Is Protective in a Murine Model of Influenza. <i>Cell Reports</i> , <b>2015</b> , 11, 1941-52	10.6	43
117	LPS-induced formation of immunoproteasomes: TNF- $\alpha$ and nitric oxide production are regulated by altered composition of proteasome-active sites. <i>Cell Biochemistry and Biophysics</i> , <b>2011</b> , 60, 77-88	3.2	43
116	Febrile-range temperature modifies cytokine gene expression in LPS-stimulated macrophages by differentially modifying NF- $\kappa$ B recruitment to cytokine gene promoters. <i>American Journal of Physiology - Cell Physiology</i> , <b>2010</b> , 298, C171-81	5.4	43
115	Toll-like receptor 4 signalling: new perspectives on a complex signal-transduction problem. <i>Biochemical Society Transactions</i> , <b>2003</b> , 31, 664-8	5.1	43
114	Antigen-specific antibody responses in B-1a and their relationship to natural immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5382-7	11.5	42
113	TLR4-mediated activation of dendritic cells by the heat shock protein DnaK from <i>Francisella tularensis</i> . <i>Journal of Leukocyte Biology</i> , <b>2008</b> , 84, 1434-46	6.5	41
112	Key inflammatory signaling pathways are regulated by the proteasome. <i>Shock</i> , <b>2006</b> , 25, 472-84	3.4	41
111	Inhibition of TLR-4/MD-2 signaling by RP105/MD-1. <i>Journal of Endotoxin Research</i> , <b>2005</b> , 11, 363-8		41

110	Inhibition of TLR4 signaling by TRAM-derived decoy peptides in vitro and in vivo. <i>Journal of Immunology</i> , <b>2013</b> , 190, 2263-72	5.3	40
109	Recruitment of TLR adapter TRIF to TLR4 signaling complex is mediated by the second helical region of TRIF TIR domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 19036-41	11.5	40
108	The IFN-inducible GTPase LRG47 (Irgm1) negatively regulates TLR4-triggered proinflammatory cytokine production and prevents endotoxemia. <i>Journal of Immunology</i> , <b>2007</b> , 179, 5514-22	5.3	40
107	Sialyl residues modulate LPS-mediated signaling through the Toll-like receptor 4 complex. <i>PLoS ONE</i> , <b>2012</b> , 7, e32359	3.7	39
106	Proteinase-activated receptor 2 activation promotes an anti-inflammatory and alternatively activated phenotype in LPS-stimulated murine macrophages. <i>Innate Immunity</i> , <b>2012</b> , 18, 193-203	2.7	39
105	TRAF6 protein couples Toll-like receptor 4 signaling to Src family kinase activation and opening of paracellular pathway in human lung microvascular endothelia. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 16132-45	5.4	39
104	Transcriptional regulation of lipopolysaccharide (LPS)-induced Toll-like receptor (TLR) expression in murine macrophages: role of interferon regulatory factors 1 (IRF-1) and 2 (IRF-2). <i>Journal of Endotoxin Research</i> , <b>2006</b> , 12, 285-95		39
103	Host immune response to Salmonella enterica serovar Typhimurium infection in mice derived from wild strains. <i>Infection and Immunity</i> , <b>2002</b> , 70, 1997-2009	3.7	39
102	Bacillus anthracis spores and lethal toxin induce IL-1beta via functionally distinct signaling pathways. <i>European Journal of Immunology</i> , <b>2008</b> , 38, 1574-84	6.1	38
101	Reprogramming of murine macrophages through TLR2 confers viral resistance via TRAF3-mediated, enhanced interferon production. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003479	7.6	37
100	Limited role of ceramide in lipopolysaccharide-mediated mitogen-activated protein kinase activation, transcription factor induction, and cytokine release. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 9342-50	5.4	37
99	Comparison of bone marrow progenitors responsive to granulocyte-macrophage colony stimulating factor and macrophage colony stimulating factor-1. <i>Journal of Leukocyte Biology</i> , <b>1988</b> , 43, 148-57	6.5	37
98	The anti-tumor agent, 5,6-dimethylxanthenone-4-acetic acid (DMXAA), induces IFN-beta-mediated antiviral activity in vitro and in vivo. <i>Journal of Leukocyte Biology</i> , <b>2011</b> , 89, 351-7	6.5	36
97	Cell-penetrating TIR BB loop decoy peptides a novel class of TLR signaling inhibitors and a tool to study topology of TIR-TIR interactions. <i>Expert Opinion on Biological Therapy</i> , <b>2007</b> , 7, 1035-50	5.4	36
96	Impaired IFN-gamma production in IFN regulatory factor-1 knockout mice during endotoxemia is secondary to a loss of both IL-12 and IL-12 receptor expression. <i>Journal of Immunology</i> , <b>2000</b> , 165, 3970-7	5.3	36
95	Salmonella Typhimurium Co-opts the Host Type I IFN System To Restrict Macrophage Innate Immune Transcriptional Responses Selectively. <i>Journal of Immunology</i> , <b>2015</b> , 195, 2461-71	5.3	35
94	Induction of adrenomedullin mRNA and protein by lipopolysaccharide and paclitaxel (Taxol) in murine macrophages. <i>Infection and Immunity</i> , <b>1998</b> , 66, 4669-75	3.7	35
93	Identifying and hurdling obstacles to translational research. <i>Nature Reviews Immunology</i> , <b>2007</b> , 7, 77-82	36.5	34



92	Interferon- $\beta$ Plays a Detrimental Role in Experimental Traumatic Brain Injury by Enhancing Neuroinflammation That Drives Chronic Neurodegeneration. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 2357-2370	6.6	33
91	Characterization of rationally attenuated <i>Francisella tularensis</i> vaccine strains that harbor deletions in the <i>guaA</i> and <i>guaB</i> genes. <i>Vaccine</i> , <b>2009</b> , 27, 2426-36	4.1	33
90	Phagosomal retention of <i>Francisella tularensis</i> results in TIRAP/Mal-independent TLR2 signaling. <i>Journal of Leukocyte Biology</i> , <b>2010</b> , 87, 275-81	6.5	32
89	Overexpression of CD14, TLR4, and MD-2 in HEK 293T cells does not prevent induction of in vitro endotoxin tolerance. <i>Journal of Endotoxin Research</i> , <b>2003</b> , 9, 60-4		31
88	Bacterial LPS and CpG DNA differentially induce gene expression profiles in mouse macrophages. <i>Journal of Endotoxin Research</i> , <b>2003</b> , 9, 237-43		31
87	Complete dependence on IRAK4 kinase activity in TLR2, but not TLR4, signaling pathways underlies decreased cytokine production and increased susceptibility to <i>Streptococcus pneumoniae</i> infection in IRAK4 kinase-inactive mice. <i>Journal of Immunology</i> , <b>2013</b> , 190, 307-16	5.3	29
86	<i>Bordetella pertussis</i> adenylate cyclase toxin (ACT) induces cyclooxygenase-2 (COX-2) in murine macrophages and is facilitated by ACT interaction with CD11b/CD18 (Mac-1). <i>Molecular Microbiology</i> , <b>2007</b> , 66, 1003-15	4.1	29
85	Autocrine-paracrine prostaglandin E signaling restricts TLR4 internalization and TRIF signaling. <i>Nature Immunology</i> , <b>2018</b> , 19, 1309-1318	19.1	28
84	Serum High-Mobility-Group Box 1 as a Biomarker and a Therapeutic Target during Respiratory Virus Infections. <i>MBio</i> , <b>2018</b> , 9,	7.8	26
83	A recombinant anchorless respiratory syncytial virus (RSV) fusion (F) protein/monophosphoryl lipid A (MPL) vaccine protects against RSV-induced replication and lung pathology. <i>Vaccine</i> , <b>2014</b> , 32, 1495-500	4.1	26
82	Influenza "Trains" the Host for Enhanced Susceptibility to Secondary Bacterial Infection. <i>MBio</i> , <b>2019</b> , 10,	7.8	25
81	Differential production of IFN- $\alpha$ /beta by CSF-1- and GM-CSF-derived macrophages. <i>Journal of Leukocyte Biology</i> , <b>1990</b> , 48, 43-9	6.5	25
80	Bone marrow progenitors cultured in the presence of granulocyte-macrophage colony-stimulating factor versus macrophage colony-stimulating factor differentiate into macrophages with distinct tumoricidal capacities. <i>Journal of Leukocyte Biology</i> , <b>1988</b> , 43, 471-6	6.5	25
79	The immunoproteasomes regulate LPS-induced TRIF/TRAM signaling pathway in murine macrophages. <i>Cell Biochemistry and Biophysics</i> , <b>2011</b> , 60, 119-26	3.2	24
78	A role for Stat1 in the regulation of lipopolysaccharide-induced interleukin-1beta expression. <i>Journal of Interferon and Cytokine Research</i> , <b>2006</b> , 26, 739-47	3.5	24
77	Interferon regulatory factor-1 immunoreactivity in neurons and inflammatory cells following ischemic stroke in rodents and humans. <i>Acta Neuropathologica</i> , <b>2003</b> , 105, 420-4	14.3	24
76	Inhibition of LPS-induced cytokines by Bcl-xL in a murine macrophage cell line. <i>Journal of Immunology</i> , <b>2000</b> , 165, 2729-37	5.3	24
75	BCG-induced enhancement of endotoxin sensitivity in C3H/HeJ mice. II. T cell modulation of macrophage sensitivity to LPS in vitro. <i>Immunobiology</i> , <b>1982</b> , 160, 479-93	3.4	24

74	Epigenetic Mechanisms Governing Innate Inflammatory Responses. <i>Journal of Interferon and Cytokine Research</i> , <b>2016</b> , 36, 454-61	3.5	24
73	Space and time: New considerations about the relationship between Toll-like receptors (TLRs) and type I interferons (IFNs). <i>Cytokine</i> , <b>2015</b> , 74, 171-4	4	23
72	Single nucleotide polymorphism in toll-like receptor 6 is associated with a decreased risk for ureaplasma respiratory tract colonization and bronchopulmonary dysplasia in preterm infants. <i>Pediatric Infectious Disease Journal</i> , <b>2013</b> , 32, 898-904	3.4	23
71	Neuraminidase reprograms lung tissue and potentiates lipopolysaccharide-induced acute lung injury in mice. <i>Journal of Immunology</i> , <b>2013</b> , 191, 4828-37	5.3	22
70	Role of TLR signaling in Francisella tularensis-LPS-induced, antibody-mediated protection against Francisella tularensis challenge. <i>Journal of Leukocyte Biology</i> , <b>2011</b> , 90, 787-97	6.5	22
69	IFN regulatory factor-2 regulates macrophage apoptosis through a STAT1/3- and caspase-1-dependent mechanism. <i>Journal of Immunology</i> , <b>2007</b> , 178, 3602-11	5.3	22
68	Mutations in TLR4 signaling that lead to increased susceptibility to infection in humans: an overview. <i>Journal of Endotoxin Research</i> , <b>2005</b> , 11, 333-9		22
67	A combination of proteasome inhibitors and antibiotics prevents lethality in a septic shock model. <i>Innate Immunity</i> , <b>2008</b> , 14, 319-29	2.7	21
66	Differential effects of interferon-gamma and glucocorticoids on Fc gamma R gene expression in murine macrophages. <i>Journal of Leukocyte Biology</i> , <b>1993</b> , 54, 451-7	6.5	20
65	The role of RAGE in host pathology and crosstalk between RAGE and TLR4 in innate immune signal transduction pathways. <i>FASEB Journal</i> , <b>2020</b> , 34, 15659-15674	0.9	19
64	A variety of novel lipid A structures obtained from Francisella tularensis live vaccine strain. <i>Innate Immunity</i> , <b>2012</b> , 18, 268-78	2.7	19
63	Roles of neutrophils in the regulation of the extent of human inflammation through delivery of IL-1 and clearance of chemokines. <i>Journal of Leukocyte Biology</i> , <b>2013</b> , 93, 7-19	6.5	19
62	Enterovirus D-68 Infection, Prophylaxis, and Vaccination in a Novel Permissive Animal Model, the Cotton Rat ( <i>Sigmodon hispidus</i> ). <i>PLoS ONE</i> , <b>2016</b> , 11, e0166336	3.7	19
61	Members of the Francisella tularensis phagosomal transporter subfamily of major facilitator superfamily transporters are critical for pathogenesis. <i>Infection and Immunity</i> , <b>2012</b> , 80, 2390-401	3.7	18
60	Modeling Human Respiratory Viral Infections in the Cotton Rat (). <i>Journal of Antivirals &amp; Antiretrovirals</i> , <b>2014</b> , 6, 40-42	2	17
59	IRAK4 kinase activity is not required for induction of endotoxin tolerance but contributes to TLR2-mediated tolerance. <i>Journal of Leukocyte Biology</i> , <b>2013</b> , 94, 291-300	6.5	17
58	A multifaceted approach to RSV vaccination. <i>Human Vaccines and Immunotherapeutics</i> , <b>2018</b> , 14, 1734-1744	4.4	17
57	Novel cationic surfactant vesicle vaccines protect against Francisella tularensis LVS and confer significant partial protection against F. tularensis Schu S4 strain. <i>Vaccine Journal</i> , <b>2014</b> , 21, 212-26		16

56	Proteasome-mediated regulation of CpG DNA- and peptidoglycan-induced cytokines, inflammatory genes, and mitogen-activated protein kinase activation. <i>Shock</i> , <b>2006</b> , 25, 594-9	3.4	16
55	Measurement of antiviral activity induced by interferons alpha, beta, and gamma. <i>Current Protocols in Immunology</i> , <b>2001</b> , Chapter 6, Unit 6.9	4	16
54	TLR2 and TLR4 agonists stimulate unique repertoires of host resistance genes in murine macrophages: interferon-beta-dependent signaling in TLR4-mediated responses. <i>Journal of Endotoxin Research</i> , <b>2003</b> , 9, 169-75		15
53	Multiple pathways of interferon-induced gene expression in murine macrophages. <i>Journal of Leukocyte Biology</i> , <b>1993</b> , 53, 583-90	6.5	15
52	Early or Late Bacterial Lung Infection Increases Mortality After Traumatic Brain Injury in Male Mice and Chronically Impairs Monocyte Innate Immune Function. <i>Critical Care Medicine</i> , <b>2020</b> , 48, e418-e428	1.4	14
51	Inhibits Autocrine Type I IFN Signaling to Increase Intracellular Survival. <i>Journal of Immunology</i> , <b>2019</b> , 202, 2348-2359	5.3	13
50	Characterization of Francisella tularensis Schu S4 defined mutants as live-attenuated vaccine candidates. <i>Pathogens and Disease</i> , <b>2015</b> , 73, ftv036	4.2	13
49	Modulation of hepatic PPAR expression during Ft LVS LPS-induced protection from Francisella tularensis LVS infection. <i>BMC Infectious Diseases</i> , <b>2010</b> , 10, 10	4	13
48	Invited review: Tolerance to microbial TLR ligands: molecular mechanisms and relevance to disease. <i>Journal of Endotoxin Research</i> , <b>2006</b> , 12, 133-150		13
47	Granulocyte-macrophage colony stimulating factor (GM-CSF) and macrophage colony stimulating factor (CSF-1) synergize to stimulate progenitor cells with high proliferative potential. <i>Journal of Leukocyte Biology</i> , <b>1988</b> , 44, 455-64	6.5	13
46	Preclinical assessment of safety of maternal vaccination against respiratory syncytial virus (RSV) in cotton rats. <i>Vaccine</i> , <b>2017</b> , 35, 3951-3958	4.1	12
45	Down-regulation of Ia expression on macrophages by sea star factor. <i>Cellular Immunology</i> , <b>1985</b> , 90, 408-15	4.5	12
44	Lipopolysaccharide and its analog antagonists display differential serum factor dependencies for induction of cytokine genes in murine macrophages. <i>Infection and Immunity</i> , <b>1998</b> , 66, 2562-9	3.7	12
43	Use of serum-free, compositionally defined medium for analysis of macrophage differentiation in vitro. <i>Journal of Leukocyte Biology</i> , <b>1988</b> , 44, 136-42	6.5	11
42	Stimulation of spleen cells and macrophages of C3H/HeJ mice by a lipid A precursor derived from Salmonella typhimurium. <i>Clinical Infectious Diseases</i> , <b>1984</b> , 6, 535-41	11.6	11
41	Parasitologic and immunologic studies of experimental Plasmodium falciparum infection in nonsplenectomized chimpanzees (Pan troglodytes). <i>American Journal of Tropical Medicine and Hygiene</i> , <b>1985</b> , 34, 36-44	3.2	11
40	Classically activated mouse macrophages produce methylglyoxal that induces a TLR4- and RAGE-independent proinflammatory response. <i>Journal of Leukocyte Biology</i> , <b>2021</b> , 109, 605-619	6.5	11
39	Monophosphoryl Lipid A Enhances Efficacy of a Francisella tularensis LVS-Cationic Nanoparticle Subunit Vaccine against F. tularensis Schu S4 Challenge by Augmenting both Humoral and Cellular Immunity. <i>Vaccine Journal</i> , <b>2017</b> , 24,		10

38	Nuclear factor B2 p52 protein has a role in antiviral immunity through IB kinase epsilon-dependent induction of Sp1 protein and interleukin 15. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 25066-25075	5.4	10
37	Agents that increase AAM differentiation blunt RSV-mediated lung pathology. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 96, 951-5	6.5	10
36	Immunoregulation of the mixed lymphocyte reaction by macrophage-derived factors: functional and biochemical separation of enhancing and inhibitory factors. <i>Immunobiology</i> , <b>1983</b> , 164, 144-59	3.4	10
35	Enhanced allergic responsiveness after early childhood infection with respiratory viruses: Are long-lived alternatively activated macrophages the missing link?. <i>Pathogens and Disease</i> , <b>2016</b> , 74,	4.2	10
34	The Edefensin retrocyclin 101 inhibits TLR4- and TLR2-dependent signaling and protects mice against influenza infection. <i>Journal of Leukocyte Biology</i> , <b>2017</b> , 102, 1103-1113	6.5	9
33	Immunization with Live Human Rhinovirus (HRV) 16 Induces Protection in Cotton Rats against HRV14 Infection. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1646	5.7	9
32	Labeling of oxidizable proteins with a photoactivatable analog of the antitumor agent DMXAA: evidence for redox signaling in its mode of action. <i>Neoplasia</i> , <b>2010</b> , 12, 755-65	6.4	8
31	CpG DNA induced IL-12 p40 gene activation is independent of STAT1 activation or production of interferon consensus sequence binding protein. <i>Journal of Biomedical Science</i> , <b>2002</b> , 9, 688-696	13.3	8
30	Detection and analysis of the 80-kd lipopolysaccharide receptor in macrophages derived from Lpsn and Lpsd mice. <i>Journal of Leukocyte Biology</i> , <b>1992</b> , 51, 501-6	6.5	8
29	Examination of macrophage cell surface antigen regulation by rIFN-gamma and IFN-alpha/beta utilizing digital imaging by a novel laser detection system. Anchored cell analysis station (ACAS) 470. <i>Journal of Immunological Methods</i> , <b>1989</b> , 123, 9-18	2.5	8
28	Targeting TLR4 Signaling to Blunt Viral-Mediated Acute Lung Injury. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 705080	8.4	8
27	A mouse model of human TLR4 D299G/T399I SNPs reveals mechanisms of altered LPS and pathogen responses. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	7
26	The proteasome regulates bacterial CpG DNA-induced signaling pathways in murine macrophages. <i>Shock</i> , <b>2010</b> , 34, 390-401	3.4	6
25	Dissociation of TRIF bias and adjuvanticity. <i>Vaccine</i> , <b>2020</b> , 38, 4298-4308	4.1	6
24	Myeloid-derived suppressor cells are bound and inhibited by anti-thymocyte globulin. <i>Innate Immunity</i> , <b>2019</b> , 25, 46-59	2.7	5
23	Type I interferon licenses enhanced innate recognition and transcriptional responses to Francisella tularensis live vaccine strain. <i>Innate Immunity</i> , <b>2016</b> , 22, 363-72	2.7	5
22	A novel cell-based system for the rapid quantitative evaluation of (anti)-inflammatory potential of test substances. <i>Journal of Immunological Methods</i> , <b>2003</b> , 281, 51-63	2.5	5
21	Interferon alpha-induced changes in Fc gamma R-specific mRNA expression and isotype-specific, Fc gamma R-mediated phagocytosis in C3H/OuJ (Lpsn) and C3H/HeJ (Lpsd) macrophages. <i>Journal of Leukocyte Biology</i> , <b>1992</b> , 51, 300-4	6.5	5

20	Novel role of gastrin releasing peptide-mediated signaling in the host response to influenza infection. <i>Mucosal Immunology</i> , <b>2019</b> , 12, 223-231	9.2	5
19	Select targeting of intracellular Toll-interleukin-1 receptor resistance domains for protection against influenza-induced disease. <i>Innate Immunity</i> , <b>2020</b> , 26, 26-34	2.7	4
18	Evaluation of mechanisms of action of re-purposed drugs for treatment of COVID-19. <i>Cellular Immunology</i> , <b>2020</b> , 358, 104240	4.4	4
17	Microbiota-Derived Metabolites, Indole-3-aldehyde and Indole-3-acetic Acid, Differentially Modulate Innate Cytokines and Stromal Remodeling Processes Associated with Autoimmune Arthritis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
16	How discovery of Toll-mediated innate immunity in <i>Drosophila</i> impacted our understanding of TLR signaling (and vice versa). <i>Journal of Immunology</i> , <b>2012</b> , 188, 5207-9	5.3	3
15	Role of C5a in the induction of tumoricidal activity in C3H/HeJ (Lpsd) and C3H/OuJ (Lpsn) macrophages. <i>Journal of Leukocyte Biology</i> , <b>1989</b> , 46, 565-70	6.5	3
14	Quantitation of TLR4 Internalization in Response to LPS in Thioglycollate Elicited Peritoneal mouse Macrophages by Flow Cytometry. <i>Bio-protocol</i> , <b>2019</b> , 9,	0.9	3
13	cAMP levels regulate macrophage alternative activation marker expression. <i>Innate Immunity</i> , <b>2021</b> , 27, 133-142	2.7	3
12	C5a Activates a Pro-Inflammatory Gene Expression Profile in Human Gaucher iPSC-Derived Macrophages. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
11	CpG DNA induced IL-12 p40 gene activation is independent of STAT1 activation or production of interferon consensus sequence binding protein. <i>Journal of Biomedical Science</i> , <b>2002</b> , 9, 688-96	13.3	3
10	Measurement of Tumor Necrosis Factor and Lymphotoxins. <i>Current Protocols in Immunology</i> , <b>2017</b> , 117, 6.10.1-6.10.7	4	2
9	Characterization of Schu S4 mutants as live attenuated tularemia vaccine candidates. <i>Virulence</i> , <b>2020</b> , 11, 283-294	4.7	2
8	Measurement of tumor necrosis factor alpha and beta. <i>Current Protocols in Immunology</i> , <b>2001</b> , Chapter 6, Unit 6.10	4	2
7	IRAK-4: A key kinase involved in toll-like receptor signaling and resistance to bacterial infection <b>2006</b> , 173-192		1
6	Pro- and Anti-Inflammatory Gene Expression in the Murine Small Intestine and Liver After Chronic Exposure to Alcohol <b>2001</b> , 25, 579		1
5	Paclitaxel (Taxol)-Induced Killing of <i>Leishmania major</i> in Murine Macrophages. <i>Infection and Immunity</i> , <b>1998</b> , 66, 4553-4556	3.7	1
4	A Nonlethal Murine Flame Burn Model Leads to a Transient Reduction in Host Defenses and Enhanced Susceptibility to Lethal <i>Pseudomonas aeruginosa</i> Infection. <i>Infection and Immunity</i> , <b>2021</b> , 89, e0009121	3.7	0
3	Measurement of Fc Receptor-Mediated Binding and Phagocytosis. <i>Current Protocols in Immunology</i> , <b>1995</b> , 13, 14.8.1	4	

2 Toll-Like Receptors in the Mammalian Innate Immune System. *Nucleic Acids and Molecular Biology*, **2008**, 135-167

1 Antigen-induced B-1 class switch and persistent B-1 memory. *FASEB Journal*, **2008**, 22, 368-368

0.9