Eun-kyeong Jo

List of Publications by Citations

206 papers	13,866 citations	56 h-index	115 g-index
213 ext. papers	16,117 ext. citations	6.4 avg, IF	6.4 L-index

#	Paper	IF	Citations
206	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
205	Molecular mechanisms regulating NLRP3 inflammasome activation. *Cellular and Molecular Immunology*, **2016**, 13, 148-59	15.4	670
204	Vitamin D3 induces autophagy in human monocytes/macrophages via cathelicidin. *Cell Host and Microbe*, **2009**, 6, 231-43	23.4	571
203	Upregulated NLRP3 inflammasome activation in patients with type 2 diabetes. *Diabetes*, **2013**, 62, 194-204	8.1	457
202	Vitamin D is required for IFN-gamma-mediated antimicrobial activity of human macrophages. *Science Translational Medicine*, **2011**, 3, 104ra102	17.5	363
201	Mycobacterium tuberculosis eis regulates autophagy, inflammation, and cell death through redox-dependent signaling. *PLoS Pathogens*, **2010**, 6, e1001230	7.6	235
200	A critical role of toll-like receptor 2 in nerve injury-induced spinal cord glial cell activation and pain hypersensitivity. *Journal of Biological Chemistry*, **2007**, 282, 14975-83	5.4	225
199	Intracellular signalling cascades regulating innate immune responses to Mycobacteria: branching out from Toll-like receptors. *Cellular Microbiology*, **2007**, 9, 1087-98	3.9	211
198	A functional promoter polymorphism in monocyte chemoattractant protein-1 is associated with increased susceptibility to pulmonary tuberculosis. *Journal of Experimental Medicine*, **2005**, 202, 1649-58	16.6	196
197	Mycobacterial lipoprotein activates autophagy via TLR2/1/CD14 and a functional vitamin D receptor signalling. *Cellular Microbiology*, **2010**, 12, 1648-65	3.9	192
196	Host cell autophagy activated by antibiotics is required for their effective antimycobacterial drug action. *Cell Host and Microbe*, **2012**, 11, 457-68	23.4	186
195	NADPH oxidase 2-derived reactive oxygen species in spinal cord microglia contribute to peripheral nerve injury-induced neuropathic pain. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 14851-6	11.5	170
194	Autophagy negatively regulates keratinocyte inflammatory responses via scaffolding protein p62/SQSTM1. *Journal of Immunology*, **2011**, 186, 1248-58	5.3	152
193	NADPH oxidase 2 interaction with TLR2 is required for efficient innate immune responses to mycobacteria via cathelicidin expression. *Journal of Immunology*, **2009**, 182, 3696-705	5.3	144
192	The orphan nuclear receptor SHP acts as a negative regulator in inflammatory signaling triggered by Toll-like receptors. *Nature Immunology*, **2011**, 12, 742-51	19.1	142
191	Mycobacterium tuberculosis Eis protein initiates suppression of host immune responses by acetylation of DUSP16/MKP-7. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 7729-34	11.5	137
190	Immunofluorescence analysis of neutrophil nonmuscle myosin heavy chain-A in MYH9 disorders: association of subcellular localization with MYH9 mutations. *Laboratory Investigation*, **2003**, 83, 115-22	5.9	134

189	Role of microglial IKKbeta in kainic acid-induced hippocampal neuronal cell death. *Brain*, **2008**, 131, 3019-33	11.2	132
188	Mycobacterial interaction with innate receptors: TLRs, C-type lectins, and NLRs. *Current Opinion in Infectious Diseases*, **2008**, 21, 279-86	5.4	128
187	Roles of peroxiredoxin II in the regulation of proinflammatory responses to LPS and protection against endotoxin-induced lethal shock. *Journal of Experimental Medicine*, **2007**, 204, 583-94	16.6	118
186	The mycobacterial 38-kilodalton glycolipoprotein antigen activates the mitogen-activated protein kinase pathway and release of proinflammatory cytokines through Toll-like receptors 2 and 4 in human monocytes. *Infection and Immunity*, **2006**, 74, 2686-96	3.7	117
185	ASK1-p38 MAPK-p47phox activation is essential for inflammatory responses during tuberculosis via TLR2-ROS signalling. *Cellular Microbiology*, **2008**, 10, 741-54	3.9	113
184	Roles of autophagy in elimination of intracellular bacterial pathogens. *Frontiers in Immunology*, **2013**, 4, 97	8.4	105
183	Mycobacterium abscessus activates the macrophage innate immune response via a physical and functional interaction between TLR2 and dectin-1. *Cellular Microbiology*, **2008**, 10, 1608-21	3.9	97
182	MicroRNA-125a Inhibits Autophagy Activation and Antimicrobial Responses during Mycobacterial Infection. *Journal of Immunology*, **2015**, 194, 5355-65	5.3	95
181	Endoplasmic reticulum stress response is involved in Mycobacterium tuberculosis protein ESAT-6-mediated apoptosis. *FEBS Letters*, **2010**, 584, 2445-54	3.8	93
180	MiR-146 and miR-125 in the regulation of innate immunity and inflammation. *BMB Reports*, **2016**, 49, 311-8	5.5	92
179	Mycobacterial signaling through toll-like receptors. *Frontiers in Cellular and Infection Microbiology*, **2012**, 2, 145	5.9	91
178	Small heterodimer partner interacts with NLRP3 and negatively regulates activation of the NLRP3 inflammasome. *Nature Communications*, **2015**, 6, 6115	17.4	90
177	PPAR-Activation Mediates Innate Host Defense through Induction of TFEB and Lipid Catabolism. *Journal of Immunology*, **2017**, 198, 3283-3295	5.3	88
176	Role of mitogen-activated protein kinase pathways in the production of tumor necrosis factor-alpha, interleukin-10, and monocyte chemotactic protein-1 by Mycobacterium tuberculosis H37Rv-infected human monocytes. *Journal of Clinical Immunology*, **2003**, 23, 194-201	5.7	87
175	Intracellular network of phosphatidylinositol 3-kinase, mammalian target of the rapamycin/70 kDa ribosomal S6 kinase 1, and mitogen-activated protein kinases pathways for regulating mycobacteria-induced IL-23 expression in human macrophages. *Cellular Microbiology*, **2006**, 8, 1158-71	3.9	84
174	MIR144* inhibits antimicrobial responses against Mycobacterium tuberculosis in human monocytes and macrophages by targeting the autophagy protein DRAM2. *Autophagy*, **2017**, 13, 423-441	10.2	83
173	Autophagy and bacterial infectious diseases. *Experimental and Molecular Medicine*, **2012**, 44, 99-108	12.8	82
172	The AMPK-PPARGC1A pathway is required for antimicrobial host defense through activation of autophagy. *Autophagy*, **2014**, 10, 785-802	10.2	80

171	Orphan Nuclear Receptor ERR Controls Macrophage Metabolic Signaling and A20 Expression to Negatively Regulate TLR-Induced Inflammation. *Immunity*, **2015**, 43, 80-91	32.3	79
170	COVID-19 Patients Upregulate Toll-like Receptor 4-mediated Inflammatory Signaling That Mimics Bacterial Sepsis. *Journal of Korean Medical Science*, **2020**, 35, e343	4.7	77
169	GABAergic signaling linked to autophagy enhances host protection against intracellular bacterial infections. *Nature Communications*, **2018**, 9, 4184	17.4	77
168	Innate immunity to mycobacteria: vitamin D and autophagy. *Cellular Microbiology*, **2010**, 12, 1026-35	3.9	74
167	Dectin-1 is inducible and plays an essential role for mycobacteria-induced innate immune responses in airway epithelial cells. *Journal of Clinical Immunology*, **2009**, 29, 795-805	5.7	74
166	NLRP3 inflammasome and host protection against bacterial infection. *Journal of Korean Medical Science*, **2013**, 28, 1415-23	4.7	72
165	Necrotic neuronal cells induce inflammatory Schwann cell activation via TLR2 and TLR3: implication in Wallerian degeneration. *Biochemical and Biophysical Research Communications*, **2006**, 350, 742-7	3.4	72
164	Autophagy induced by AXL receptor tyrosine kinase alleviates acute liver injury via inhibition of NLRP3 inflammasome activation in mice. *Autophagy*, **2016**, 12, 2326-2343	10.2	70
163	Bacillus calmette-guerin cell wall cytoskeleton enhances colon cancer radiosensitivity through autophagy. *Autophagy*, **2010**, 6, 46-60	10.2	69
162	Dynamics of cytokine generation in patients with active pulmonary tuberculosis. *Current Opinion in Infectious Diseases*, **2003**, 16, 205-10	5.4	68
161	Endoplasmic reticulum stress pathway-mediated apoptosis in macrophages contributes to the survival of Mycobacterium tuberculosis. *PLoS ONE*, **2011**, 6, e28531	3.7	66
160	An update on the regulatory mechanisms of NLRP3 inflammasome activation. *Cellular and Molecular Immunology*, **2021**, 18, 1141-1160	15.4	66
159	Nanoparticles up-regulate tumor necrosis factor-alpha and CXCL8 via reactive oxygen species and mitogen-activated protein kinase activation. *Toxicology and Applied Pharmacology*, **2009**, 238, 160-9	4.6	62
158	Autophagy: A new strategy for host-directed therapy of tuberculosis. *Virulence*, **2019**, 10, 448-459	4.7	61
157	Toll-like Receptors and Innate Immunity. *Journal of Bacteriology and Virology*, **2011**, 41, 225	0.3	60
156	Mycobacterium abscessus activates the NLRP3 inflammasome via Dectin-1-Syk and p62/SQSTM1. *Immunology and Cell Biology*, **2012**, 90, 601-10	5	60
155	Innate immune responses to Mycobacterium ulcerans via toll-like receptors and dectin-1 in human keratinocytes. *Cellular Microbiology*, **2009**, 11, 678-92	3.9	59
154	A high-affinity protein binder that blocks the IL-6/STAT3 signaling pathway effectively suppresses non-small cell lung cancer. *Molecular Therapy*, **2014**, 22, 1254-1265	11.7	58

153	The ginsenoside metabolite compound K, a novel agonist of glucocorticoid receptor, induces tolerance to endotoxin-induced lethal shock. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 1739-53	5.6	58
152	Depressed interleukin-12 (IL-12), but not IL-18, production in response to a 30- or 32-kilodalton mycobacterial antigen in patients with active pulmonary tuberculosis. *Infection and Immunity*, **2000**, 68, 4477-84	3.7	58
151	Crosstalk between autophagy and inflammasomes. *Molecules and Cells*, **2013**, 36, 393-9	3.5	57
150	MicroRNA in innate immunity and autophagy during mycobacterial infection. *Cellular Microbiology*, **2017**, 19, e12687	3.9	54
149	Mitochondrial Control of Innate Immunity and Inflammation. *Immune Network*, **2017**, 17, 77-88	6.1	54
148	The Role of NLR-related Protein 3 Inflammasome in Host Defense and Inflammatory Diseases. *International Neurourology Journal*, **2012**, 16, 2-12	2.6	54
147	Mycobacterium tuberculosis lipoprotein-induced association of TLR2 with protein kinase C zeta in lipid rafts contributes to reactive oxygen species-dependent inflammatory signalling in macrophages. *Cellular Microbiology*, **2008**, 10, 1893-905	3.9	54
146	Reactive oxygen species and p47phox activation are essential for the Mycobacterium tuberculosis-induced pro-inflammatory response in murine microglia. *Journal of Neuroinflammation* , **2007**, 4, 27	10.1	54
145	TLR3-triggered reactive oxygen species contribute to inflammatory responses by activating signal transducer and activator of transcription-1. *Journal of Immunology*, **2013**, 190, 6368-77	5.3	51
144	Microglial Toll-like receptor 2 contributes to kainic acid-induced glial activation and hippocampal neuronal cell death. *Journal of Biological Chemistry*, **2010**, 285, 39447-57	5.4	50
143	Subtle interplay of endogenous bioactive gases (NO, CO and H(2)S) in inflammation. *Archives of Pharmacal Research*, **2009**, 32, 1155-62	6.1	49
142	An essential role for SKAP-55 in LFA-1 clustering on T cells that cannot be substituted by SKAP-55R. *Journal of Experimental Medicine*, **2005**, 201, 1733-9	16.6	47
141	Microglial activation of the NLRP3 inflammasome by the priming signals derived from macrophages infected with mycobacteria. *Glia*, **2013**, 61, 441-52	9	45
140	Protein kinase C zeta plays an essential role for Mycobacterium tuberculosis-induced extracellular signal-regulated kinase 1/2 activation in monocytes/macrophages via Toll-like receptor 2. *Cellular Microbiology*, **2007**, 9, 382-96	3.9	44
139	SIRT3 promotes antimycobacterial defenses by coordinating mitochondrial and autophagic functions. *Autophagy*, **2019**, 15, 1356-1375	10.2	44
138	ESRRA (estrogen-related receptor) is a key coordinator of transcriptional and post-translational activation of autophagy to promote innate host defense. *Autophagy*, **2018**, 14, 152-168	10.2	42
137	Expression, production and release of the Eis protein by Mycobacterium tuberculosis during infection of macrophages and its effect on cytokine secretion. *Microbiology (United Kingdom)*, **2007**, 153, 529-540	2.9	42
136	Autophagy as an innate defense against mycobacteria. *Pathogens and Disease*, **2013**, 67, 108-18	4.2	41

135	Role of autophagy in the host response to microbial infection and potential for therapy. *Current Opinion in Immunology*, **2011**, 23, 65-70	7.8	41
134	Induction of protective immune responses by a multiantigenic DNA vaccine encoding GRA7 and ROP1 of Toxoplasma gondii. *Vaccine Journal*, **2012**, 19, 666-74		40
133	Pexophagy: Molecular Mechanisms and Implications for Health and Diseases. *Molecules and Cells*, **2018**, 41, 55-64	3.5	40
132	Roles of Autophagy-Related Genes in the Pathogenesis of Inflammatory Bowel Disease. *Cells*, **2019**, 8,	7.9	39
131	Host immune responses to mycobacterial antigens and their implications for the development of a vaccine to control tuberculosis. *Clinical and Experimental Vaccine Research*, **2014**, 3, 155-67	1.9	39
130	Polymorphisms of interleukin-10 and tumour necrosis factor-alpha genes are associated with newly diagnosed and recurrent pulmonary tuberculosis. *Respirology*, **2007**, 12, 594-8	3.6	39
129	Antimicrobial Peptides in Innate Immunity against Mycobacteria. *Immune Network*, **2011**, 11, 245-52	6.1	38
128	Profiles of IFN-gamma and its regulatory cytokines (IL-12, IL-18 and IL-10) in peripheral blood mononuclear cells from patients with multidrug-resistant tuberculosis. *Clinical and Experimental Immunology*, **2002**, 128, 516-24	6.2	36
127	Purification and immunoreactivity of three components from the 30/32-kilodalton antigen 85 complex in Mycobacterium tuberculosis. *Infection and Immunity*, **1999**, 67, 6187-90	3.7	35
126	Vitamin D-Cathelicidin Axis: at the Crossroads between Protective Immunity and Pathological Inflammation during Infection. *Immune Network*, **2020**, 20, e12	6.1	35
125	The role of CD38 in Fc receptor (FcR)-mediated phagocytosis in murine macrophages. *Journal of Biological Chemistry*, **2012**, 287, 14502-14	5.4	34
124	Toll-like receptor 2 contributes to glial cell activation and heme oxygenase-1 expression in traumatic brain injury. *Neuroscience Letters*, **2008**, 431, 123-8	3.3	34
123	Apurinic/apyrimidinic endonuclease 1 is a key modulator of keratinocyte inflammatory responses. *Journal of Immunology*, **2009**, 183, 6839-48	5.3	33
122	Glucocorticoid receptor agonist compound K regulates Dectin-1-dependent inflammatory signaling through inhibition of reactive oxygen species. *Life Sciences*, **2009**, 85, 625-33	6.8	33
121	Mycobacterium tuberculosis HBHA protein reacts strongly with the serum immunoglobulin M of tuberculosis patients. *Vaccine Journal*, **2006**, 13, 869-75		33
120	Rufomycin Targets ClpC1 Proteolysis in Mycobacterium tuberculosis and M. abscessus. *Antimicrobial Agents and Chemotherapy*, **2019**, 63,	5.9	32
119	Activity of LCB01-0371, a Novel Oxazolidinone, against Mycobacterium abscessus. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	32
118	Autophagy: cellular defense to excessive inflammation. *Microbes and Infection*, **2012**, 14, 119-25	9.3	32

117	Negative regulators and their mechanisms in NLRP3 inflammasome activation and signaling. *Immunology and Cell Biology*, **2017**, 95, 584-592	5	31
116	X-linked hyper-IgM syndrome associated with Cryptosporidium parvum and Cryptococcus neoformans infections: the first case with molecular diagnosis in Korea. *Journal of Korean Medical Science*, **2002**, 17, 116-20	4.7	30
115	Inflammasome and Mitophagy Connection in Health and Disease. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	29
114	In vitro and ex vivo activity of new derivatives of acetohydroxyacid synthase inhibitors against Mycobacterium tuberculosis and non-tuberculous mycobacteria. *International Journal of Antimicrobial Agents*, **2008**, 31, 567-71	14.3	29
113	Autophagy-activating strategies to promote innate defense against mycobacteria. *Experimental and Molecular Medicine*, **2019**, 51, 1-10	12.8	29
112	Toxoplasma gondii GRA7-Induced TRAF6 Activation Contributes to Host Protective Immunity. *Infection and Immunity*, **2016**, 84, 339-50	3.7	28
111	NADPH oxidase 4 is required for the generation of macrophage migration inhibitory factor and host defense against Toxoplasma gondii infection. *Scientific Reports*, **2017**, 7, 6361	4.9	28
110	Double-stranded RNA induces iNOS gene expression in Schwann cells, sensory neuronal death, and peripheral nerve demyelination. *Glia*, **2007**, 55, 712-22	9	28
109	Crosstalks between inflammasome and autophagy in cancer. *Journal of Hematology and Oncology*, **2020**, 13, 100	22.4	27
108	Intracellular Networks of the PI3K/AKT and MAPK Pathways for Regulating Toxoplasma gondii-Induced IL-23 and IL-12 Production in Human THP-1 Cells. *PLoS ONE*, **2015**, 10, e0141550	3.7	26
107	Role of apoptosis-regulating signal kinase 1 in innate immune responses by Mycobacterium bovis bacillus Calmette-Guﾨin. *Immunology and Cell Biology*, **2009**, 87, 100-7	5	26
106	Expression and regulation of the CC-chemokine ligand 20 during human tuberculosis. *Scandinavian Journal of Immunology*, **2008**, 67, 77-85	3.4	26
105	The production of tumour necrosis factor-alpha is decreased in peripheral blood mononuclear cells from multidrug-resistant tuberculosis patients following stimulation with the 30-kDa antigen of Mycobacterium tuberculosis. *Clinical and Experimental Immunology*, **2003**, 132, 443-9	6.2	26
104	Rg6, a rare ginsenoside, inhibits systemic inflammation through the induction of interleukin-10 and microRNA-146a. *Scientific Reports*, **2019**, 9, 4342	4.9	25
103	Roles of reactive oxygen species in CXCL8 and CCL2 expression in response to the 30-kDa antigen of Mycobacterium tuberculosis. *Journal of Clinical Immunology*, **2009**, 29, 46-56	5.7	25
102	Dysregulated production of interferon-gamma, interleukin-4 and interleukin-6 in early tuberculosis patients in response to antigen 85B of Mycobacterium tuberculosis. *Scandinavian Journal of Immunology*, **2000**, 51, 209-17	3.4	25
101	Phlorofucofuroeckol Improves Glutamate-Induced Neurotoxicity through Modulation of Oxidative Stress-Mediated Mitochondrial Dysfunction in PC12 Cells. *PLoS ONE*, **2016**, 11, e0163433	3.7	25
100	AMP-Activated Protein Kinase and Host Defense against Infection. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	25

99	Ohmyungsamycins promote antimicrobial responses through autophagy activation via AMP-activated protein kinase pathway. *Scientific Reports*, **2017**, 7, 3431	4.9	24
98	Differential cytokine levels and immunoreactivities against Mycobacterium tuberculosis antigens between tuberculous and malignant effusions. *Respiratory Medicine*, **2008**, 102, 280-6	4.6	24
97	A dual regulatory role of apurinic/apyrimidinic endonuclease 1/redox factor-1 in HMGB1-induced inflammatory responses. *Antioxidants and Redox Signaling*, **2009**, 11, 575-88	8.4	23
96	Thyrotropin-mediated repression of class II trans-activator expression in thyroid cells: involvement of STAT3 and suppressor of cytokine signaling. *Journal of Immunology*, **2003**, 171, 616-27	5.3	23
95	Enhanced Th2 cell differentiation and function in the absence of Nox2. *Allergy: European Journal of Allergy and Clinical Immunology*, **2017**, 72, 252-265	9.3	22
94	Diacyltrehalose of Mycobacterium tuberculosis inhibits lipopolysaccharide- and mycobacteria-induced proinflammatory cytokine production in human monocytic cells. *FEMS Microbiology Letters*, **2007**, 267, 121-8	2.9	22
93	Inositol polyphosphate multikinase promotes Toll-like receptor-induced inflammation by stabilizing TRAF6. *Science Advances*, **2017**, 3, e1602296	14.3	21
92	Lysyl-tRNA synthetase-expressing colon spheroids induce M2 macrophage polarization to promote metastasis. *Journal of Clinical Investigation*, **2018**, 128, 5034-5055	15.9	21
91	Mitophagy and Innate Immunity in Infection. *Molecules and Cells*, **2020**, 43, 10-22	3.5	21
90	Identification of plasma APE1/Ref-1 in lipopolysaccharide-induced endotoxemic rats: implication of serological biomarker for an endotoxemia. *Biochemical and Biophysical Research Communications*, **2013**, 435, 621-6	3.4	19
89	Small heterodimer partner-targeting therapy inhibits systemic inflammatory responses through mitochondrial uncoupling protein 2. *PLoS ONE*, **2013**, 8, e63435	3.7	19
88	IKK-mediated myeloid cell activation exacerbates inflammation and inhibits recovery after spinal cord injury. *European Journal of Immunology*, **2011**, 41, 1266-77	6.1	18
87	AMPK-Targeted Effector Networks in Mycobacterial Infection. *Frontiers in Microbiology*, **2019**, 10, 520	5.7	17
86	Mycobacterium massiliense induces inflammatory responses in macrophages through Toll-like receptor 2 and c-Jun N-terminal kinase. *Journal of Clinical Immunology*, **2014**, 34, 212-23	5.7	17
85	Identification of the new T-cell-stimulating antigens from Mycobacterium tuberculosis culture filtrate. *FEMS Microbiology Letters*, **2004**, 232, 51-9	2.9	17
84	IL-18 production in human pulmonary and pleural tuberculosis. *Scandinavian Journal of Immunology*, **2002**, 56, 611-8	3.4	17
83	Characterization of Proinflammatory Responses and Innate Signaling Activation in Macrophages Infected with Mycobacterium scrofulaceum. *Immune Network*, **2014**, 14, 307-20	6.1	16
82	Nitric Oxide Synthesis is Modulated by 1,25-Dihydroxyvitamin D3 and Interferon-gamma in Human Macrophages after Mycobacterial Infection. *Immune Network*, **2009**, 9, 192-202	6.1	16

81	Mycobacterium abscessus ESX-3 plays an important role in host inflammatory and pathological responses during infection. *Microbes and Infection*, **2017**, 19, 5-17	9.3	15
80	Mycobacterial Heparin-binding Hemagglutinin Antigen Activates Inflammatory Responses through PI3-K/Akt, NF-B, and MAPK Pathways. *Immune Network*, **2011**, 11, 123-33	6.1	15
79	Mycobacterium tuberculosis Induces the Production of Tumor Necrosis Factor-Interleukin-6, and CXCL8 in Pulmonary Epithelial Cells Through Reactive Oxygen Species-dependent Mitogen-activated Protein Kinase Activation. *Journal of Bacteriology and Virology*, **2009**, 39, 1	0.3	15
78	Role of the phosphatidylinositol 3-kinase and mitogen-activated protein kinase pathways in the secretion of tumor necrosis factor-alpha and interleukin-10 by the PPD antigen of Mycobacterium tuberculosis. *Journal of Clinical Immunology*, **2005**, 25, 482-90	5.7	15
77	Conformation-Enabled Total Syntheses of Ohmyungsamycins A and B and Structural Revision of Ohmyungsamycin B. *Angewandte Chemie - International Edition*, **2018**, 57, 3069-3073	16.4	14
76	Diagnosis of pulmonary tuberculosis using MTB12 and 38-kDa antigens. *Respirology*, **2008**, 13, 432-7	3.6	14
75	Mitochondrial Reactive Oxygen Species: Double-Edged Weapon in Host Defense and Pathological Inflammation During Infection. *Frontiers in Immunology*, **2020**, 11, 1649	8.4	14
74	The roles of microRNAs in regulation of autophagy during bacterial infection. *Seminars in Cell and Developmental Biology*, **2020**, 101, 51-58	7.5	14
73	New Insights into Vitamin D and Autophagy in Inflammatory Bowel Diseases. *Current Medicinal Chemistry*, **2017**, 24, 898-910	4.3	13
72	Effects of mycobacterial infection on proliferation of hematopoietic precursor cells. *Microbes and Infection*, **2011**, 13, 1252-60	9.3	12
71	Identification of mutations in the Bruton tyrosine kinase gene, including a novel genomic rearrangements resulting in large deletion, in Korean X-linked agammaglobulinemia patients. *Journal of Human Genetics*, **2003**, 48, 322-326	4.3	12
70	Characterization of mutations, including a novel regulatory defect in the first intron, in Bruton tyrosine kinase gene from seven Korean X-linked agammaglobulinemia families. *Journal of Immunology*, **2001**, 167, 4038-45	5.3	12
69	Peroxiredoxin I deficiency attenuates phagocytic capacity of macrophage in clearance of the red blood cells damaged by oxidative stress. *BMB Reports*, **2012**, 45, 560-4	5.5	12
68	Small Heterodimer Partner and Innate Immune Regulation. *Endocrinology and Metabolism*, **2016**, 31, 17-24	3.5	12
67	Thiostrepton: A Novel Therapeutic Drug Candidate for Infection. *Molecules*, **2019**, 24,	4.8	12
66	Effective suppression of C5a-induced proinflammatory response using anti-human C5a repebody. *Biochemical and Biophysical Research Communications*, **2016**, 477, 1072-1077	3.4	11
65	Withanolides against TLR4-Activated Innate Inflammatory Signalling Pathways: A Comparative Computational and Experimental Study. *Phytotherapy Research*, **2017**, 31, 152-163	6.7	11
64	Depressed interleukin-12 production by peripheral blood mononuclear cells after in vitro stimulation with the 30-kDa antigen in recurrent pulmonary tuberculosis patients. *Medical Microbiology and Immunology*, **2003**, 192, 61-9	4	11

63	Interleukin-8 is differentially expressed by human-derived monocytic cell line U937 infected with Mycobacterium tuberculosis H37Rv and Mycobacterium marinum. *Infection and Immunity*, **2003**, 71, 5480-7	3.7	11
62	Mycobacterium tuberculosis acyl carrier protein inhibits macrophage apoptotic death by modulating the reactive oxygen species/c-Jun N-terminal kinase pathway. *Microbes and Infection*, **2019**, 21, 40-49	9.3	10
61	The 30-kDa and 38-kDa antigens from Mycobacterium tuberculosis induce partial maturation of human dendritic cells shifting CD4(+) T cell responses towards IL-4 production. *BMC Immunology*, **2013**, 14, 48	3.7	10
60	The Peroxisome Proliferator-Activated Receptor Agonist Gemfibrozil Promotes Defense Against Infections. *Cells*, **2020**, 9,	7.9	9
59	Isolation and partial characterisation of the Triton X-100 solubilised protein antigen from Mycobacterium tuberculosis. *Journal of Medical Microbiology*, **1999**, 48, 585-591	3.2	9
58	An Interplay Between Autophagy and Immunometabolism for Host Defense Against Mycobacterial Infection. *Frontiers in Immunology*, **2020**, 11, 603951	8.4	9
57	Emerging roles of orphan nuclear receptors in regulation of innate immunity. *Archives of Pharmacal Research*, **2016**, 39, 1491-1502	6.1	9
56	MiR-144-3p is associated with pathological inflammation in patients infected with Mycobacteroides abscessus. *Experimental and Molecular Medicine*, **2021**, 53, 136-149	12.8	9
55	Secretory phospholipase A2 plays an essential role in microglial inflammatory responses to Mycobacterium tuberculosis. *Glia*, **2009**, 57, 1091-103	9	8
54	Characterization of a novel nonsense mutation in the interleukin-7 receptor alpha gene in a Korean patient with severe combined immunodeficiency. *International Journal of Hematology*, **2004**, 80, 332-5	2.3	8
53	ESRRA (estrogen related receptor alpha) is a critical regulator of intestinal homeostasis through activation of autophagic flux via gut microbiota. *Autophagy*, **2021**, 17, 2856-2875	10.2	8
52	Ionizing Radiation Induces Innate Immune Responses in Macrophages by Generation of Mitochondrial Reactive Oxygen Species. *Radiation Research*, **2017**, 187, 32-41	3.1	8
51	Mycobacterium fortuitum induces A20 expression that impairs macrophage inflammatory responses. *Pathogens and Disease*, **2016**, 74,	4.2	7
50	Host-Pathogen Dialogues in Autophagy, Apoptosis, and Necrosis during Mycobacterial Infection. *Immune Network*, **2020**, 20, e37	6.1	7
49	Mitofusin-2 boosts innate immunity through the maintenance of aerobic glycolysis and activation of xenophagy in mice. *Communications Biology*, **2021**, 4, 548	6.7	7
48	Expression of PGC1 in glioblastoma multiforme patients. *Oncology Letters*, **2017**, 13, 4055-4076	2.6	6
47	Toll-like Receptors and NOD-like Receptors in Innate Immune Defense during Pathogenic Infection. *Journal of Bacteriology and Virology*, **2014**, 44, 215	0.3	6
46	Mycobacterial cell-wall skeleton as a universal vaccine vehicle for antigen conjugation. *Vaccine*, **2010**, 28, 7873-80	4.1	6

45	Identification of novel metronidazole-inducible genes in Mycobacterium smegmatis using a customized amplification library. *FEMS Microbiology Letters*, **2008**, 282, 282-9	2.9	6
44	Mutational analysis of the WASP gene in 2 Korean families with Wiskott-Aldrich syndrome. *International Journal of Hematology*, **2003**, 78, 40-4	2.3	6
43	Sirtuin 3 is essential for host defense against infection through regulation of mitochondrial homeostasis. *Virulence*, **2020**, 11, 1225-1239	4.7	6
42	Nuclear Receptors as Autophagy-Based Antimicrobial Therapeutics. *Cells*, **2020**, 9,	7.9	5
41	Clinicopathological Profiling of LC3B, an Autophagy Marker, and ESRRA (Estrogen-related Receptor-alpha) in Muscle-invasive Bladder Cancer. *Anticancer Research*, **2018**, 38, 2429-2437	2.3	4
40	Innate signaling mechanisms controlling Mycobacterium chelonae-mediated CCL2 and CCL5 expression in macrophages. *Journal of Microbiology*, **2015**, 53, 864-74	3	3
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