

Jae-Min Yuk

List of Publications by Year in descending order

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65
papers

4,346
citations

136950

32
h-index

118850

62
g-index

65
all docs

65
docs citations

65
times ranked

6791
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitamin D3 Induces Autophagy in Human Monocytes/Macrophages via Cathelicidin. <i>Cell Host and Microbe</i> , 2009, 6, 231-243.	11.0	684
2	Vitamin D Is Required for IFN- γ -Mediated Antimicrobial Activity of Human Macrophages. <i>Science Translational Medicine</i> , 2011, 3, 104ra102.	12.4	442
3	<i>Mycobacterium tuberculosis</i> Eis Regulates Autophagy, Inflammation, and Cell Death through Redox-dependent Signaling. <i>PLoS Pathogens</i> , 2010, 6, e1001230.	4.7	281
4	Mycobacterial lipoprotein activates autophagy via TLR2/1/CD14 and a functional vitamin D receptor signalling. <i>Cellular Microbiology</i> , 2010, 12, 1648-1665.	2.1	226
5	Host Cell Autophagy Activated by Antibiotics Is Required for Their Effective Antimycobacterial Drug Action. <i>Cell Host and Microbe</i> , 2012, 11, 457-468.	11.0	219
6	Autophagy Negatively Regulates Keratinocyte Inflammatory Responses via Scaffolding Protein p62/SQSTM1. <i>Journal of Immunology</i> , 2011, 186, 1248-1258.	0.8	180
7	The orphan nuclear receptor SHP acts as a negative regulator in inflammatory signaling triggered by Toll-like receptors. <i>Nature Immunology</i> , 2011, 12, 742-751.	14.5	167
8	MicroRNA-125a Inhibits Autophagy Activation and Antimicrobial Responses during Mycobacterial Infection. <i>Journal of Immunology</i> , 2015, 194, 5355-5365.	0.8	132
9	Roles of Autophagy in Elimination of Intracellular Bacterial Pathogens. <i>Frontiers in Immunology</i> , 2013, 4, 97.	4.8	122
10	<i>Mycobacterium abscessus</i> activates the macrophage innate immune response via a physical and functional interaction between TLR2 and dectin-1. <i>Cellular Microbiology</i> , 2008, 10, 1608-1621.	2.1	113
11	Orphan Nuclear Receptor ERR α Controls Macrophage Metabolic Signaling and A20 Expression to Negatively Regulate TLR-Induced Inflammation. <i>Immunity</i> , 2015, 43, 80-91.	14.3	106
12	Autophagy and bacterial infectious diseases. <i>Experimental and Molecular Medicine</i> , 2012, 44, 99.	7.7	97
13	Dectin-1 is Inducible and Plays an Essential Role for Mycobacteria-Induced Innate Immune Responses in Airway Epithelial Cells. <i>Journal of Clinical Immunology</i> , 2009, 29, 795-805.	3.8	93
14	<i>Bacillus Calmette-Guerin</i> cell wall cytoskeleton enhances colon cancer radiosensitivity through autophagy. <i>Autophagy</i> , 2010, 6, 46-60.	9.1	74
15	<i>Mycobacterium abscessus</i> activates the NLRP3 inflammasome via Dectin-1-Syk and p62/SQSTM1. <i>Immunology and Cell Biology</i> , 2012, 90, 601-610.	2.3	69
16	<i>Toxoplasma gondii</i> GRA7-Induced TRAF6 Activation Contributes to Host Protective Immunity. <i>Infection and Immunity</i> , 2016, 84, 339-350.	2.2	69
17	The ginsenoside metabolite compound K, a novel agonist of glucocorticoid receptor, induces tolerance to endotoxin-induced lethal shock. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1739-1753.	3.6	68
18	Innate immune responses to <i>Mycobacterium ulcerans</i> via toll-like receptors and dectin-1 in human keratinocytes. <i>Cellular Microbiology</i> , 2009, 11, 678-692.	2.1	68

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19	A High-Affinity Protein Binder that Blocks the IL-6/STAT3 Signaling Pathway Effectively Suppresses Nonâ€‘Small Cell Lung Cancer. <i>Molecular Therapy</i> , 2014, 22, 1254-1265.	8.2	68
20	Toll-like Receptors and Innate Immunity. <i>Journal of Bacteriology and Virology</i> , 2011, 41, 225.	0.1	67
21	Nanoparticles up-regulate tumor necrosis factor- $\hat{\pm}$ and CXCL8 via reactive oxygen species and mitogen-activated protein kinase activation. <i>Toxicology and Applied Pharmacology</i> , 2009, 238, 160-169.	2.8	66
22	Crosstalk between Autophagy and Inflammasomes. <i>Molecules and Cells</i> , 2013, 36, 393-399.	2.6	66
23	ESRRA (estrogen-related receptor $\hat{\pm}$) is a key coordinator of transcriptional and post-translational activation of autophagy to promote innate host defense. <i>Autophagy</i> , 2018, 14, 152-168.	9.1	64
24	<i>Mycobacterium tuberculosis</i> lipoprotein-induced association of TLR2 with protein kinase C $\hat{\uparrow}$ in lipid rafts contributes to reactive oxygen species-dependent inflammatory signalling in macrophages. <i>Cellular Microbiology</i> , 2008, 10, 1893-1905.	2.1	59
25	Glucocorticoid receptor agonist compound K regulates dectin-1-dependent inflammatory signaling through inhibition of reactive oxygen species. <i>Life Sciences</i> , 2009, 85, 625-633.	4.3	52
26	Inflammasome and Mitophagy Connection in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4714.	4.1	49
27	AMP-Activated Protein Kinase and Host Defense against Infection. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3495.	4.1	46
28	Host immune responses to mycobacterial antigens and their implications for the development of a vaccine to control tuberculosis. <i>Clinical and Experimental Vaccine Research</i> , 2014, 3, 155.	2.2	43
29	Apurinic/Apyrimidinic Endonuclease 1 Is a Key Modulator of Keratinocyte Inflammatory Responses. <i>Journal of Immunology</i> , 2009, 183, 6839-6848.	0.8	38
30	Inositol polyphosphate multikinase promotes Toll-like receptorâ€‘induced inflammation by stabilizing TRAF6. <i>Science Advances</i> , 2017, 3, e1602296.	10.3	37
31	Phlorofucofuroeckol Improves Glutamate-Induced Neurotoxicity through Modulation of Oxidative Stress-Mediated Mitochondrial Dysfunction in PC12 Cells. <i>PLoS ONE</i> , 2016, 11, e0163433.	2.5	35
32	NADPH oxidase 4 is required for the generation of macrophage migration inhibitory factor and host defense against <i>Toxoplasma gondii</i> infection. <i>Scientific Reports</i> , 2017, 7, 6361.	3.3	35
33	Intracellular Networks of the PI3K/AKT and MAPK Pathways for Regulating <i>Toxoplasma gondii</i> -Induced IL-23 and IL-12 Production in Human THP-1 Cells. <i>PLoS ONE</i> , 2015, 10, e0141550.	2.5	34
34	Role of apoptosisâ€‘regulating signal kinase 1 in innate immune responses by <i>Mycobacterium bovis</i> bacillus Calmetteâ€‘GuÃ©rin. <i>Immunology and Cell Biology</i> , 2009, 87, 100-107.	2.3	31
35	Small Heterodimer Partner-Targeting Therapy Inhibits Systemic Inflammatory Responses through Mitochondrial Uncoupling Protein 2. <i>PLoS ONE</i> , 2013, 8, e63435.	2.5	26
36	A Dual Regulatory Role of Apurinic/Apyrimidinic Endonuclease 1/Redox Factor-1 in HMGB1-Induced Inflammatory Responses. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 575-588.	5.4	24

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37	<p>Silver Nanoparticle-Induced Apoptosis in ARPE-19 Cells Is Inhibited by Toxoplasma gondii Pre-Infection Through Suppression of NOX4-Dependent ROS Generation</p>. International Journal of Nanomedicine, 2020, Volume 15, 3695-3716.	6.7	22
38	Small Heterodimer Partner and Innate Immune Regulation. Endocrinology and Metabolism, 2016, 31, 17.	3.0	21
39	AMPK-Targeted Effector Networks in Mycobacterial Infection. Frontiers in Microbiology, 2019, 10, 520.	3.5	20
40	Involvement of endoplasmic reticulum stress response and IRE1-mediated ASK1/JNK/Mcl-1 pathways in silver nanoparticle-induced apoptosis of human retinal pigment epithelial cells. Toxicology, 2020, 442, 152540.	4.2	20
41	Nitric Oxide Synthesis is Modulated by 1,25-Dihydroxyvitamin D3 and Interferon- β in Human Macrophages after Mycobacterial Infection. Immune Network, 2009, 9, 192.	3.6	18
42	RM, a novel resveratrol derivative, attenuates inflammatory responses induced by lipopolysaccharide via selectively increasing the Tollip protein in macrophages: A partial mechanism with therapeutic potential in an inflammatory setting. International Immunopharmacology, 2020, 78, 106072.	3.8	18
43	Characterization of Proinflammatory Responses and Innate Signaling Activation in Macrophages Infected with Mycobacterium scrofulaceum. Immune Network, 2014, 14, 307.	3.6	16
44	Omega-3 Polyunsaturated Fatty Acids Prevent Toxoplasma gondii Infection by Inducing Autophagy via AMPK Activation. Nutrients, 2019, 11, 2137.	4.1	16
45	Secretory phospholipase A ₂ plays an essential role in microglial inflammatory responses to Mycobacterium tuberculosis. Glia, 2009, 57, 1091-1103.	4.9	15
46	linQ attenuates systemic inflammatory responses via selectively impairing the Myddosome complex formation upon TLR4 ligation. Biochemical Pharmacology, 2016, 121, 52-66.	4.4	14
47	Orphan nuclear receptor SHP regulates iron metabolism through inhibition of BMP6-mediated hepcidin expression. Scientific Reports, 2016, 6, 34630.	3.3	12
48	4-Hydroxybenzaldehyde Restricts the Intracellular Growth of Toxoplasma gondii by Inducing SIRT1-Mediated Autophagy in Macrophages. Korean Journal of Parasitology, 2020, 58, 7-14.	1.3	12
49	Therapeutic Potential of Gamma- Irradiated Resveratrol in Ulcerative Colitis via the Anti-Inflammatory Activity and Differentiation of Tolerogenic Dendritic Cells. Cellular Physiology and Biochemistry, 2019, 52, 1117-1138.	1.6	12
50	Trichomonas vaginalis Induces SiHa Cell Apoptosis by NF- κ B Inactivation via Reactive Oxygen Species. BioMed Research International, 2017, 2017, 1-10.	1.9	10
51	Fasciola hepatica: Infection Status of Freshwater Snails Collected from Gangwon-do (Province), Korea. Korean Journal of Parasitology, 2017, 55, 95-98.	1.3	10
52	Involvement of PI3K/AKT and MAPK Pathways for TNF- α Production in SiHa Cervical Mucosal Epithelial Cells Infected with Trichomonas vaginalis. Korean Journal of Parasitology, 2015, 53, 371-377.	1.3	10
53	Silver nanoparticles induce apoptosis via NOX4-derived mitochondrial reactive oxygen species and endoplasmic reticulum stress in colorectal cancer cells. Nanomedicine, 2021, 16, 1357-1375.	3.3	9
54	Protective effects of a traditional herbal extract from Stellaria dichotoma var. lanceolata against Mycobacterium abscessus infections. PLoS ONE, 2018, 13, e0207696.	2.5	7

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55	VEGF Production Is Regulated by the AKT/ERK1/2 Signaling Pathway and Controls the Proliferation of <i>Toxoplasma gondii</i> in ARPE-19 Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 184.	3.9	7
56	<i>Trichomonas vaginalis</i> induces apoptosis via ROS and ER stress response through ER-mitochondria crosstalk in SiHa cells. <i>Parasites and Vectors</i> , 2021, 14, 603.	2.5	7
57	FAF1 downregulation by <i>Toxoplasma gondii</i> enables host IRF3 mobilization and promotes parasite growth. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 9460-9472.	3.6	6
58	The Role of PI3K/AKT Pathway and NADPH Oxidase 4 in Host ROS Manipulation by <i>Toxoplasma gondii</i> . <i>Korean Journal of Parasitology</i> , 2020, 58, 237-247.	1.3	4
59	Innate signaling mechanisms controlling <i>Mycobacterium chelonae</i> -mediated CCL2 and CCL5 expression in macrophages. <i>Journal of Microbiology</i> , 2015, 53, 864-874.	2.8	3
60	Diphenyleiodonium Induces Growth Inhibition of <i>Toxoplasma gondii</i> through ROS Induction in ARPE-19 Cells. <i>Korean Journal of Parasitology</i> , 2019, 57, 83-92.	1.3	3
61	IL-12 and IL-23 Production in <i>Toxoplasma gondii</i> - or LPS Treated Jurkat T Cells via PI3K and MAPK Signaling Pathways. <i>Korean Journal of Parasitology</i> , 2017, 55, 613-622.	1.3	2
62	Fenofibrate Exerts Anticancer Effects on Human Cervical Cancer HeLa Cells via Caspase-Dependent Apoptosis and Cell Cycle Arrest. <i>Gynecologic and Obstetric Investigation</i> , 2022, 87, 79-88.	1.6	2
63	Role of Autophagy in Cellular Defense Against Inflammation. , 2014, , 117-130.		0
64	Adherence of <i>Trichomonas vaginalis</i> to SiHa Cells is Inhibited by Diphenyleiodonium. <i>Microorganisms</i> , 2020, 8, 1570.	3.6	0
65	Assessment of Mitochondrial DNA Content and Mass in Macrophages. <i>Bio-protocol</i> , 2016, 6, .	0.4	0