

Je-Wook Yu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,593
citations

236925

25
h-index

189892

50
g-index

50
all docs

50
docs citations

50
times ranked

8530
citing authors

#	ARTICLE	IF	CITATIONS
1	AIM2 activates the inflammasome and cell death in response to cytoplasmic DNA. <i>Nature</i> , 2009, 458, 509-513.	27.8	1,548
2	The pyroptosome: a supramolecular assembly of ASC dimers mediating inflammatory cell death via caspase-1 activation. <i>Cell Death and Differentiation</i> , 2007, 14, 1590-1604.	11.2	854
3	The AIM2 inflammasome is critical for innate immunity to <i>Francisella tularensis</i> . <i>Nature Immunology</i> , 2010, 11, 385-393.	14.5	637
4	Anti-inflammatory Compounds Parthenolide and Bay 11-7082 Are Direct Inhibitors of the Inflammasome. <i>Journal of Biological Chemistry</i> , 2010, 285, 9792-9802.	3.4	493
5	Mutations in <i>NALP12</i> cause hereditary periodic fever syndromes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1614-1619.	7.1	331
6	Cryopyrin and pyrin activate caspase-1, but not NF- κ B, via ASC oligomerization. <i>Cell Death and Differentiation</i> , 2006, 13, 236-249.	11.2	313
7	SGLT2 inhibition modulates NLRP3 inflammasome activity via ketones and insulin in diabetes with cardiovascular disease. <i>Nature Communications</i> , 2020, 11, 2127.	12.8	263
8	Pyrin Activates the ASC Pyroptosome in Response to Engagement by Autoinflammatory PSTPIP1 Mutants. <i>Molecular Cell</i> , 2007, 28, 214-227.	9.7	261
9	MPTP-driven NLRP3 inflammasome activation in microglia plays a central role in dopaminergic neurodegeneration. <i>Cell Death and Differentiation</i> , 2019, 26, 213-228.	11.2	260
10	The Mitochondrial Antiviral Protein MAVS Associates with NLRP3 and Regulates Its Inflammasome Activity. <i>Journal of Immunology</i> , 2013, 191, 4358-4366.	0.8	210
11	Mitochondria and the NLRP3 inflammasome: physiological and pathological relevance. <i>Archives of Pharmacal Research</i> , 2016, 39, 1503-1518.	6.3	148
12	Defective mitochondrial fission augments NLRP3 inflammasome activation. <i>Scientific Reports</i> , 2015, 5, 15489.	3.3	125
13	25-hydroxycholesterol contributes to cerebral inflammation of X-linked adrenoleukodystrophy through activation of the NLRP3 inflammasome. <i>Nature Communications</i> , 2016, 7, 13129.	12.8	124
14	Inhibition of Apoptosis Signal-regulating Kinase 1 by Nitric Oxide through a Thiol Redox Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 7584-7590.	3.4	98
15	Rotenone-induced Impairment of Mitochondrial Electron Transport Chain Confers a Selective Priming Signal for NLRP3 Inflammasome Activation. <i>Journal of Biological Chemistry</i> , 2015, 290, 27425-27437.	3.4	98
16	Dysbiosis-induced IL-33 contributes to impaired antiviral immunity in the genital mucosa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E762-71.	7.1	64
17	SGK1 inhibition in glia ameliorates pathologies and symptoms in Parkinson disease animal models. <i>EMBO Molecular Medicine</i> , 2021, 13, e13076.	6.9	52
18	Histone deacetylase 6 negatively regulates NLRP3 inflammasome activation. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 973-978.	2.1	50

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19	Advanced glycation end products impair NLRP3 inflammasome-mediated innate immune responses in macrophages. <i>Journal of Biological Chemistry</i> , 2017, 292, 20437-20448.	3.4	46
20	NLRP3 Inflammasome Contributes to Lipopolysaccharide-induced Depressive-Like Behaviors via Indoleamine 2,3-dioxygenase Induction. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 896-906.	2.1	45
21	Ribotoxic Stress through p38 Mitogen-activated Protein Kinase Activates in Vitro the Human Pyrin Inflammasome. <i>Journal of Biological Chemistry</i> , 2013, 288, 11378-11383.	3.4	38
22	Distinct Features of Brain-Resident Macrophages: Microglia and Non-Parenchymal Brain Macrophages. <i>Molecules and Cells</i> , 2021, 44, 281-291.	2.6	36
23	Non-transcriptional regulation of NLRP3 inflammasome signaling by IL-4. <i>Immunology and Cell Biology</i> , 2015, 93, 591-599.	2.3	35
24	Bacterial Outer Membrane Vesicle-Mediated Cytosolic Delivery of Flagellin Triggers Host NLRC4 Canonical Inflammasome Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 581165.	4.8	35
25	Brefeldin A-sensitive ER-Golgi vesicle trafficking contributes to NLRP3-dependent caspase-1 activation. <i>FASEB Journal</i> , 2019, 33, 4547-4558.	0.5	30
26	Antimicrobial Peptide LL-37 Drives Rosacea-Like Skin Inflammation in an NLRP3-Dependent Manner. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2885-2894.e5.	0.7	30
27	TRADD is critical for resistance to TRAIL-induced cell death through NF- κ B activation. <i>FEBS Letters</i> , 2011, 585, 2144-2150.	2.8	29
28	Zika Virus Impairs Host NLRP3-mediated Inflammasome Activation in an NS3-dependent Manner. <i>Immune Network</i> , 2019, 19, e40.	3.6	27
29	Chemotherapeutic Agent Paclitaxel Mediates Priming of NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2019, 10, 1108.	4.8	25
30	ATP-P2X7-Induced Inflammasome Activation Contributes to Melanocyte Death and CD8+ T-Cell Trafficking to the Skin in Vitiligo. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1794-1804.e4.	0.7	25
31	Immunomodulatory/anti-inflammatory effect of ZOE-based dental materials. <i>Dental Materials</i> , 2017, 33, e1-e12.	3.5	24
32	PGC-1 α inhibits the NLRP3 inflammasome via preserving mitochondrial viability to protect kidney fibrosis. <i>Cell Death and Disease</i> , 2022, 13, 31.	6.3	23
33	Non-invasive in vivo imaging of caspase-1 activation enables rapid and spatiotemporal detection of acute and chronic inflammatory disorders. <i>Biomaterials</i> , 2020, 226, 119543.	11.4	20
34	Cobalt Chloride-induced Hypoxia Ameliorates NLRP3-Mediated Caspase-1 Activation in Mixed Glial Cultures. <i>Immune Network</i> , 2013, 13, 141.	3.6	18
35	Bacterial Secretant from <i>Pseudomonas aeruginosa</i> Dampens Inflammasome Activation in a Quorum Sensing-Dependent Manner. <i>Frontiers in Immunology</i> , 2017, 8, 333.	4.8	18
36	Restoration of ASC expression sensitizes colorectal cancer cells to genotoxic stress-induced caspase-independent cell death. <i>Cancer Letters</i> , 2013, 331, 183-191.	7.2	17

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37	Neutrophils Facilitate Prolonged Inflammasome Response in the DAMP-Rich Inflammatory Milieu. <i>Frontiers in Immunology</i> , 2021, 12, 746032.	4.8	17
38	Pyrin Domain (PYD)-containing Inflammasome in Innate Immunity. <i>Journal of Bacteriology and Virology</i> , 2011, 41, 133.	0.1	16
39	Iron Chlorin e6 Scavenges Hydroxyl Radical and Protects Human Endothelial Cells against Hydrogen Peroxide Toxicity.. <i>Biological and Pharmaceutical Bulletin</i> , 2001, 24, 1053-1059.	1.4	13
40	Inflammasome activation by cell volume regulation and inflammation-associated hyponatremia: A vicious cycle. <i>Medical Hypotheses</i> , 2016, 93, 117-121.	1.5	13
41	Antiviral efficacy of orally delivered neoagarohexaose, a nonconventional TLR4 agonist, against norovirus infection in mice. <i>Biomaterials</i> , 2020, 263, 120391.	11.4	13
42	Differential cytoprotective effect of copper- and iron-containing chlorophyllins against oxidative stress-mediated cell death. <i>Free Radical Research</i> , 2010, 44, 655-667.	3.3	12
43	<i>Salmonella</i> Promotes ASC Oligomerization-dependent Caspase-1 Activation. <i>Immune Network</i> , 2012, 12, 284.	3.6	12
44	Palmitate and minimally-modified low-density lipoprotein cooperatively promote inflammatory responses in macrophages. <i>PLoS ONE</i> , 2018, 13, e0193649.	2.5	9
45	Intracellular NAD ⁺ Depletion Confers a Priming Signal for NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2021, 12, 765477.	4.8	9
46	Short Term Isocaloric Ketogenic Diet Modulates NLRP3 Inflammasome Via B-hydroxybutyrate and Fibroblast Growth Factor 21. <i>Frontiers in Immunology</i> , 2022, 13, 843520.	4.8	8
47	Proteomics-based functional studies reveal that galectin-3 plays a protective role in the pathogenesis of intestinal Behçet's disease. <i>Scientific Reports</i> , 2019, 9, 11716.	3.3	7
48	Prolonged Exposure to Lipopolysaccharide Induces NLRP3-Independent Maturation and Secretion of Interleukin (IL)-1 β in Macrophages. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 115-121.	2.1	6
49	CIIA Is a Novel Regulator of Detachment-Induced Cell Death. <i>Cancer Research</i> , 2010, 70, 6352-6358.	0.9	5
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