

# Molecular mechanisms regulating NLRP3 inflammasome

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Targeting Pattern Recognition Receptors (PRRs) in Nano- Adjuvants: Current Perspectives. <i>Current Bionanotechnology</i> , 2016, 2, 47-59.	0.6	9
2	Recent Advances of the NLRP3 Inflammasome in Central Nervous System Disorders. <i>Journal of Immunology Research</i> , 2016, 2016, 1-9.	0.9	132
3	Sterol Regulatory Element-Binding Protein-1c Regulates Inflammasome Activation in Gingival Fibroblasts Infected with High-Glucose-Treated <i>Porphyromonas gingivalis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 195.	1.8	10
4	Innate immunomodulation to trypanosomatid parasite infections. <i>Experimental Parasitology</i> , 2016, 167, 67-75.	0.5	47
5	Identification of the Q969R gain-of-function polymorphism in the gene encoding porcine NLRP3 and its distribution in pigs of Asian and European origin. <i>Immunogenetics</i> , 2016, 68, 693-701.	1.2	6
6	Inflammatory mechanisms in patients with chronic obstructive pulmonary disease. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 16-27.	1.5	956
7	Activation of the NLRP3 inflammasome in lipopolysaccharide-induced mouse fatigue and its relevance to chronic fatigue syndrome. <i>Journal of Neuroinflammation</i> , 2016, 13, 71.	3.1	47
8	Role of NLRP3 Inflammasome in Eosinophilic and Non-eosinophilic Chronic Rhinosinusitis with Nasal Polyps. <i>Inflammation</i> , 2016, 39, 2045-2052.	1.7	25
9	Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. <i>Journal of Neuroscience Research</i> , 2016, 94, 1588-1603.	1.3	101
10	NEK7: a novel promising therapy target for NLRP3-related inflammatory diseases. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 966-968.	0.9	33
11	The inflammasome in liver disease. <i>Journal of Hepatology</i> , 2016, 65, 1055-1056.	1.8	40
12	Transplantation and Damage-Associated Molecular Patterns (DAMPs). <i>American Journal of Transplantation</i> , 2016, 16, 3338-3361.	2.6	125
13	Cellular and molecular regulation of innate inflammatory responses. <i>Cellular and Molecular Immunology</i> , 2016, 13, 711-721.	4.8	134
14	Silica nanoparticles activate purinergic signaling via P2X 7 receptor in dendritic cells, leading to production of pro-inflammatory cytokines. <i>Toxicology in Vitro</i> , 2016, 35, 202-211.	1.1	28
15	Fluoxetine Inhibits NLRP3 Inflammasome Activation: Implication in Depression. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw037.	1.0	99
16	The role of IL18-607C>A and IL18-137G>C promoter polymorphisms in antidepressant treatment phenotypes: A preliminary report. <i>Neuroscience Letters</i> , 2016, 622, 107-112.	1.0	8
17	Post-translational regulation of inflammasomes. <i>Cellular and Molecular Immunology</i> , 2017, 14, 65-79.	4.8	155
18	Cellular Innate Immunity: An Old Game with New Players. <i>Journal of Innate Immunity</i> , 2017, 9, 111-125.	1.8	171

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19	The NLRP3 inflammasome contributes to host protection during <i>Sporothrix schenckii</i> infection. <i>Immunology</i> , 2017, 151, 154-166.	2.0	48
20	Activation of ATP-sensitive potassium channel by iptakalim normalizes stress-induced HPA axis disorder and depressive behaviour by alleviating inflammation and oxidative stress in mouse hypothalamus. <i>Brain Research Bulletin</i> , 2017, 130, 146-155.	1.4	23
21	Carbon monoxide releasing molecule-3 improves myocardial function in mice with sepsis by inhibiting NLRP3 inflammasome activation in cardiac fibroblasts. <i>Basic Research in Cardiology</i> , 2017, 112, 16.	2.5	76
22	AIM2 Inflammasome Is Critical for Influenza-Induced Lung Injury and Mortality. <i>Journal of Immunology</i> , 2017, 198, 4383-4393.	0.4	85
23	Development of an Acrylate Derivative Targeting the NLRP3 Inflammasome for the Treatment of Inflammatory Bowel Disease. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 3656-3671.	2.9	131
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25	TLR9 Regulates the NF- $\kappa$ B/NLRP3/IL-1 $\beta$ Pathway Negatively in <i>Salmonella</i> -Induced NKG2D-Mediated Intestinal Inflammation. <i>Journal of Immunology</i> , 2017, 199, 761-773.	0.4	62
26	Inflammasomes, the cardinal pathology mediators are activated by pathogens, allergens and mutagens: A critical review with focus on NLRP3. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 819-825.	2.5	38
27	RIP1-RIP3-DRP1 pathway regulates NLRP3 inflammasome activation following subarachnoid hemorrhage. <i>Experimental Neurology</i> , 2017, 295, 116-124.	2.0	64
28	Amyloidogenic proteins associated with neurodegenerative diseases activate the NLRP3 inflammasome. <i>International Immunopharmacology</i> , 2017, 49, 155-160.	1.7	39
29	Soluble Epoxide Hydrolase Inhibitor Attenuates Lipopolysaccharide-Induced Acute Lung Injury and Improves Survival in Mice. <i>Shock</i> , 2017, 47, 638-645.	1.0	73
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33	Particulate matter air pollution from the city of Quito, Ecuador, activates inflammatory signaling pathways <i>in vitro</i> . <i>Innate Immunity</i> , 2017, 23, 392-400.	1.1	31
34	Myeloid C/EBP $\beta$ deficiency reshapes microglial gene expression and is protective in experimental autoimmune encephalomyelitis. <i>Journal of Neuroinflammation</i> , 2017, 14, 54.	3.1	18
35	Inhibition of NLRP3 Inflammasome Prevents LPS-Induced Inflammatory Hyperalgesia in Mice: Contribution of NF- $\kappa$ B, Caspase-1/11, ASC, NOX, and NOS Isoforms. <i>Inflammation</i> , 2017, 40, 366-386.	1.7	56
36	HBV inhibits LPS-induced NLRP3 inflammasome activation and IL-1 $\beta$ production via suppressing the NF- $\kappa$ B pathway and ROS production. <i>Journal of Hepatology</i> , 2017, 66, 693-702.	1.8	232

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37	Induction of heme oxygenase-1 attenuates NLRP3 inflammasome activation in lipopolysaccharide-induced mastitis in mice. <i>International Immunopharmacology</i> , 2017, 52, 185-190.	1.7	18
38	Nano-sized zinc oxide and silver, but not titanium dioxide, induce innate and adaptive immunity and antiviral response in differentiated THP-1 cells. <i>Nanotoxicology</i> , 2017, 11, 936-951.	1.6	47
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45	Caspase-11 Plays a Protective Role in Pulmonary <i>Acinetobacter baumannii</i> Infection. <i>Infection and Immunity</i> , 2017, 85, .	1.0	24
46	CLICs-dependent chloride efflux is an essential and proximal upstream event for NLRP3 inflammasome activation. <i>Nature Communications</i> , 2017, 8, 202.	5.8	246
47	MD-2 regulates LPS-induced NLRP3 inflammasome activation and IL-1 $\beta$ secretion by a MyD88/NF- $\kappa$ B-dependent pathway in alveolar macrophages cell line. <i>Molecular Immunology</i> , 2017, 90, 1-10.	1.0	47
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50	Mitochondria as a centrally positioned hub in the innate immune response. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1090-1097.	1.8	104
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53	Pannexin1 as mediator of inflammation and cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 51-61.	1.9	85
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56	The burgeoning field of innate immune-mediated disease and autoinflammation. <i>Journal of Pathology</i> , 2017, 241, 123-139.	2.1	62
57	The role of NLRP3 and AIM2 in inflammasome activation during <i>Brucella abortus</i> infection. <i>Seminars in Immunopathology</i> , 2017, 39, 215-223.	2.8	54
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75	Small Heterodimer Partner Deficiency Increases Inflammatory Liver Injury Through C-X-C motif chemokine ligand 2-Driven Neutrophil Recruitment in Mice. <i>Toxicological Sciences</i> , 2018, 163, 254-264.	1.4	9
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84	Fluorfenidone attenuates interleukin-1 $\beta$ production by interacting with NLRP3 inflammasome in unilateral ureteral obstruction. <i>Nephrology</i> , 2018, 23, 573-584.	0.7	17
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87	In Search of a Converging Cellular Mechanism in Nanotoxicology and Nanomedicine in the Treatment of Cancer. <i>Toxicologic Pathology</i> , 2018, 46, 4-13.	0.9	8
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97	Association of NLRP3 polymorphisms with susceptibility to primary gouty arthritis in a Chinese Han population. <i>Clinical Rheumatology</i> , 2018, 37, 235-244.	1.0	24
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101	Rusty Microglia: Trainers of Innate Immunity in Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2018, 9, 1062.	1.1	25
102	Roles of mitochondrial ROS and NLRP3 inflammasome in multiple ozone-induced lung inflammation and emphysema. <i>Respiratory Research</i> , 2018, 19, 230.	1.4	77
103	The Interplay Between Immune Response and Bacterial Infection in COPD: Focus Upon Non-typeable <i>Haemophilus influenzae</i> . <i>Frontiers in Immunology</i> , 2018, 9, 2530.	2.2	74
104	Delayed oseltamivir plus sirolimus treatment attenuates H1N1 virus-induced severe lung injury correlated with repressed NLRP3 inflammasome activation and inflammatory cell infiltration. <i>PLoS Pathogens</i> , 2018, 14, e1007428.	2.1	61
105	Structural Moieties Required for Cinnamaldehyde-Related Compounds to Inhibit Canonical IL-1 $\beta$ Secretion. <i>Molecules</i> , 2018, 23, 3241.	1.7	9
106	Resveratrol Suppresses Gut-Derived NLRP3 Inflammasome Partly through Stabilizing Mast Cells in a Rat Model. <i>Mediators of Inflammation</i> , 2018, 2018, 1-10.	1.4	22
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116	Mitochondria as a therapeutic target for common pathologies. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 865-886.	21.5	508
117	NLRP3 Inflammasome Modulates Post-Burn Lipolysis and Hepatic Fat Infiltration via Fatty Acid Synthase. <i>Scientific Reports</i> , 2018, 8, 15197.	1.6	29
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125	Repositioning of the $\beta$ -Blocker Carvedilol as a Novel Autophagy Inducer That Inhibits the NLRP3 Inflammasome. <i>Frontiers in Immunology</i> , 2018, 9, 1920.	2.2	53
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133	Scutellarin Suppresses NLRP3 Inflammasome Activation in Macrophages and Protects Mice against Bacterial Sepsis. <i>Frontiers in Pharmacology</i> , 2017, 8, 975.	1.6	75
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135	Origin and Consequences of Necroinflammation. <i>Physiological Reviews</i> , 2018, 98, 727-780.	13.1	147
136	Control of Inflammasome Activation by Phosphorylation. <i>Trends in Biochemical Sciences</i> , 2018, 43, 685-699.	3.7	47
137	GPCRs in NLRP3 Inflammasome Activation, Regulation, and Therapeutics. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 798-811.	4.0	47
138	Apocynin inhibited NLRP3/XIAP signalling to alleviate renal fibrotic injury in rat diabetic nephropathy. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 1325-1331.	2.5	34
139	Activation of the NLRP3 Inflammasome Pathway by Uropathogenic Escherichia coli Is Virulence Factor-Dependent and Influences Colonization of Bladder Epithelial Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 81.	1.8	50
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