

Mohamed Lamkanfi

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

16,068
citations

44069

48
h-index

64796

79
g-index

81
all docs

81
docs citations

81
times ranked

20516
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-canonical inflammasome activation targets caspase-11. <i>Nature</i> , 2011, 479, 117-121.	27.8	2,072
2	Mechanisms and Functions of Inflammasomes. <i>Cell</i> , 2014, 157, 1013-1022.	28.9	1,999
3	Inflammasomes and Their Roles in Health and Disease. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 137-161.	9.4	794
4	Caspases in Cell Death, Inflammation, and Disease. <i>Immunity</i> , 2019, 50, 1352-1364.	14.3	718
5	Glyburide inhibits the Cryopyrin/Nalp3 inflammasome. <i>Journal of Cell Biology</i> , 2009, 187, 61-70.	5.2	673
6	Caspase-8 is the molecular switch for apoptosis, necroptosis and pyroptosis. <i>Nature</i> , 2019, 575, 683-687.	27.8	568
7	Inflammasomes in neuroinflammatory and neurodegenerative diseases. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	457
8	Pyroptosis. <i>Current Biology</i> , 2016, 26, R568-R572.	3.9	444
9	Negative regulation of the NLRP3 inflammasome by A20 protects against arthritis. <i>Nature</i> , 2014, 512, 69-73.	27.8	419
10	Inflammasome-Dependent Release of the Alarmin HMGB1 in Endotoxemia. <i>Journal of Immunology</i> , 2010, 185, 4385-4392.	0.8	397
11	Emerging inflammasome effector mechanisms. <i>Nature Reviews Immunology</i> , 2011, 11, 213-220.	22.7	380
12	Manipulation of Host Cell Death Pathways during Microbial Infections. <i>Cell Host and Microbe</i> , 2010, 8, 44-54.	11.0	360
13	Inflammasomes: guardians of cytosolic sanctity. <i>Immunological Reviews</i> , 2009, 227, 95-105.	6.0	334
14	IL-18 Production Downstream of the Nlrp3 Inflammasome Confers Protection against Colorectal Tumor Formation. <i>Journal of Immunology</i> , 2010, 185, 4912-4920.	0.8	326
15	The transcription factor IRF1 and guanylate-binding proteins target activation of the AIM2 inflammasome by Francisella infection. <i>Nature Immunology</i> , 2015, 16, 467-475.	14.5	291
16	Targeted Peptidecentric Proteomics Reveals Caspase-7 as a Substrate of the Caspase-1 Inflammasomes. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 2350-2363.	3.8	276
17	Dietary modulation of the microbiome affects autoinflammatory disease. <i>Nature</i> , 2014, 516, 246-249.	27.8	258
18	Phosphorylation of NLRC4 is critical for inflammasome activation. <i>Nature</i> , 2012, 490, 539-542.	27.8	254

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19	Single-cell analysis of pyroptosis dynamics reveals conserved GSDMD-mediated subcellular events that precede plasma membrane rupture. <i>Cell Death and Differentiation</i> , 2019, 26, 146-161.	11.2	242
20	Targeted sequencing by proximity ligation for comprehensive variant detection and local haplotyping. <i>Nature Biotechnology</i> , 2014, 32, 1019-1025.	17.5	231
21	Concerted Activation of the AIM2 and NLRP3 Inflammasomes Orchestrates Host Protection against <i>Aspergillus</i> Infection. <i>Cell Host and Microbe</i> , 2015, 17, 357-368.	11.0	227
22	Modulation of Inflammasome Pathways by Bacterial and Viral Pathogens. <i>Journal of Immunology</i> , 2011, 187, 597-602.	0.8	211
23	Toll or Interleukin-1 Receptor (TIR) Domain-containing Adaptor Inducing Interferon- $\hat{1}$ 2 (TRIF)-mediated Caspase-11 Protease Production Integrates Toll-like Receptor 4 (TLR4) Protein- and Nlrp3 Inflammasome-mediated Host Defense against Enteropathogens. <i>Journal of Biological Chemistry</i> , 2012, 287, 34474-34483.	3.4	211
24	Complementarity and redundancy of IL-22-producing innate lymphoid cells. <i>Nature Immunology</i> , 2016, 17, 179-186.	14.5	211
25	Caspase-7: A protease involved in apoptosis and inflammation. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 21-24.	2.8	210
26	Activation of the NLRP1b inflammasome independently of ASC-mediated caspase-1 autoproteolysis and speck formation. <i>Nature Communications</i> , 2014, 5, 3209.	12.8	185
27	Caspase-1 inflammasomes in infection and inflammation. <i>Journal of Leukocyte Biology</i> , 2007, 82, 220-225.	3.3	176
28	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. <i>Nature Communications</i> , 2018, 9, 2036.	12.8	152
29	GSDMD is critical for autoinflammatory pathology in a mouse model of Familial Mediterranean Fever. <i>Journal of Experimental Medicine</i> , 2018, 215, 1519-1529.	8.5	143
30	Nlrp6- and ASC-Dependent Inflammasomes Do Not Shape the Commensal Gut Microbiota Composition. <i>Immunity</i> , 2017, 47, 339-348.e4.	14.3	141
31	Familial Mediterranean fever mutations lift the obligatory requirement for microtubules in Pyrin inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14384-14389.	7.1	139
32	Therapeutic modulation of inflammasome pathways. <i>Immunological Reviews</i> , 2020, 297, 123-138.	6.0	135
33	Deregulated inflammasome signaling in disease. <i>Immunological Reviews</i> , 2011, 243, 163-173.	6.0	129
34	Chronic TLR Stimulation Controls NLRP3 Inflammasome Activation through IL-10 Mediated Regulation of NLRP3 Expression and Caspase-8 Activation. <i>Scientific Reports</i> , 2015, 5, 14488.	3.3	120
35	The Inflammasomes. <i>PLoS Pathogens</i> , 2009, 5, e1000510.	4.7	119
36	Nlrp3: An immune sensor of cellular stress and infection. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 792-795.	2.8	117

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37	Cutting Edge: STING Mediates Protection against Colorectal Tumorigenesis by Governing the Magnitude of Intestinal Inflammation. <i>Journal of Immunology</i> , 2014, 193, 4779-4782.	0.8	115
38	IL-33 Raises Alarm. <i>Immunity</i> , 2009, 31, 5-7.	14.3	112
39	The Nod-Like Receptor Family Member Naip5/Birc1e Restricts <i>Legionella pneumophila</i> Growth Independently of Caspase-1 Activation. <i>Journal of Immunology</i> , 2007, 178, 8022-8027.	0.8	109
40	Caspase-1 Engagement and TLR-Induced c-FLIP Expression Suppress ASC/Caspase-8-Dependent Apoptosis by Inflammasome Sensors NLRP1b and NLRC4. <i>Cell Reports</i> , 2017, 21, 3427-3444.	6.4	109
41	Flagellin-induced NLRC4 phosphorylation primes the inflammasome for activation by NAIP5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1541-1546.	7.1	102
42	MCC950/CRID3 potently targets the NACHT domain of wild-type NLRP3 but not disease-associated mutants for inflammasome inhibition. <i>PLoS Biology</i> , 2019, 17, e3000354.	5.6	94
43	Recent Insights on Inflammasomes, Gasdermin Pores, and Pyroptosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a036392.	5.5	94
44	Reactive Oxygen Species Regulate Caspase-11 Expression and Activation of the Non-canonical NLRP3 Inflammasome during Enteric Pathogen Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004410.	4.7	79
45	The emerging roles of inflammasome-dependent cytokines in cancer development. <i>EMBO Reports</i> , 2019, 20, .	4.5	77
46	Cathepsin B modulates lysosomal biogenesis and host defense against <i>Francisella novicida</i> infection. <i>Journal of Experimental Medicine</i> , 2016, 213, 2081-2097.	8.5	72
47	Nlrp3 inflammasome activation and Gasdermin D-driven pyroptosis are immunopathogenic upon gastrointestinal norovirus infection. <i>PLoS Pathogens</i> , 2019, 15, e1007709.	4.7	72
48	Inflammasome-Dependent Cytokines at the Crossroads of Health and Autoinflammatory Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a028563.	5.5	54
49	Apoptosis of intestinal epithelial cells restricts <i>Clostridium difficile</i> infection in a model of pseudomembranous colitis. <i>Nature Communications</i> , 2018, 9, 4846.	12.8	53
50	An Apoptotic Caspase Network Safeguards Cell Death Induction in Pyroptotic Macrophages. <i>Cell Reports</i> , 2020, 32, 107959.	6.4	53
51	Inflammasomes as polyvalent cell death platforms. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 2335-2347.	5.4	52
52	<i>Escherichia coli</i> α -Hemolysin Counteracts the Anti-Virulence Innate Immune Response Triggered by the Rho GTPase Activating Toxin CNF1 during Bacteremia. <i>PLoS Pathogens</i> , 2015, 11, e1004732.	4.7	51
53	Cutting Edge: SHARPIN Is Required for Optimal NLRP3 Inflammasome Activation. <i>Journal of Immunology</i> , 2015, 194, 2064-2067.	0.8	48
54	IL1 β Promotes Immune Suppression in the Tumor Microenvironment Independent of the Inflammasome and Gasdermin D. <i>Cancer Immunology Research</i> , 2021, 9, 309-323.	3.4	48

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55	Two distinct ubiquitin-binding motifs in A20 mediate its anti-inflammatory and cell-protective activities. <i>Nature Immunology</i> , 2020, 21, 381-387.	14.5	47
56	DPP8/DPP9 inhibition elicits canonical Nlrp1b inflammasome hallmarks in murine macrophages. <i>Life Science Alliance</i> , 2019, 2, e201900313.	2.8	47
57	<i>Escherichia coli</i> Rho GTPase-activating toxin CNF1 mediates NLRP3 inflammasome activation via p21-activated kinases-1/2 during bacteraemia in mice. <i>Nature Microbiology</i> , 2021, 6, 401-412.	13.3	46
58	The inflammasome turns 15. <i>Nature</i> , 2017, 548, 534-535.	27.8	44
59	Nlrp6 promotes recovery after peripheral nerve injury independently of inflammasomes. <i>Journal of Neuroinflammation</i> , 2015, 12, 143.	7.2	42
60	Regulation of immune pathways by the NOD-like receptor NLRC5. <i>Immunobiology</i> , 2012, 217, 13-16.	1.9	41
61	Interaction Patches of Procaspace-1 Caspase Recruitment Domains (CARDs) Are Differently Involved in Procaspace-1 Activation and Receptor-interacting Protein 2 (RIP2)-dependent Nuclear Factor κ B Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 35874-35882.	3.4	38
62	Prdx4 limits caspase-1 activation and restricts inflammasome-mediated signaling by extracellular vesicles. <i>EMBO Journal</i> , 2019, 38, e101266.	7.8	27
63	Structure of S-layer protein Sap reveals a mechanism for therapeutic intervention in anthrax. <i>Nature Microbiology</i> , 2019, 4, 1805-1814.	13.3	23
64	The inflammasome: A remote control for metabolic syndrome. <i>Cell Research</i> , 2012, 22, 1095-1098.	12.0	20
65	Familial Mediterranean Fever and COVID-19: Friends or Foes?. <i>Frontiers in Immunology</i> , 2020, 11, 574593.	4.8	20
66	The human inflammasomes. <i>Molecular Aspects of Medicine</i> , 2022, 88, 101100.	6.4	20
67	The NEK-sus of the NLRP3 inflammasome. <i>Nature Immunology</i> , 2016, 17, 223-224.	14.5	19
68	A new lead to NLRP3 inhibition. <i>Journal of Experimental Medicine</i> , 2017, 214, 3147-3149.	8.5	18
69	Nanoparticle-sensitized photoporation enables inflammasome activation studies in targeted single cells. <i>Nanoscale</i> , 2021, 13, 6592-6604.	5.6	16
70	Nonredundancy of IL-1 β and IL-1 γ is defined by distinct regulation of tissues orchestrating resistance versus tolerance to infection. <i>Science Advances</i> , 2022, 8, eabj7293.	10.3	15
71	<i>Bacillus anthracis</i> induces NLRP3 inflammasome activation and caspase-8-mediated apoptosis of macrophages to promote lethal anthrax. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	14
72	Sensing the enemy within: how macrophages detect intracellular Gram-negative bacteria. <i>Trends in Biochemical Sciences</i> , 2014, 39, 574-576.	7.5	10

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73	Snapshot of a Deadly Embrace: The Caspase-1-GSDMD Interface. <i>Immunity</i> , 2020, 53, 6-8.	14.3	10
74	El Tor Biotype <i>Vibrio cholerae</i> Activates the Caspase-11-Independent Canonical Nlrp3 and Pyrin Inflammasomes. <i>Frontiers in Immunology</i> , 2019, 10, 2463.	4.8	8
75	Flagellin-Mediated Protection against Intestinal <i>Yersinia pseudotuberculosis</i> Infection Does Not Require Interleukin-22. <i>Infection and Immunity</i> , 2017, 85, .	2.2	6
76	Innate Immune Pathways in Host Defense. <i>Mediators of Inflammation</i> , 2012, 2012, 1-2.	3.0	5
77	Gut sensor halts viral attack. <i>Nature</i> , 2017, 546, 606-608.	27.8	2
78	How to dodge pyroptosis: lessons from <i>Shigella flexneri</i> . <i>Cell Research</i> , 2022, 32, 227-228.	12.0	2