

Vijay A Rathinam

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

11,090
citations

159573

30
h-index

223791

46
g-index

46
all docs

46
docs citations

46
times ranked

16232
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy proteins regulate innate immune responses by inhibiting the release of mitochondrial DNA mediated by the NALP3 inflammasome. <i>Nature Immunology</i> , 2011, 12, 222-230.	14.5	2,447
2	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. <i>Nature Immunology</i> , 2010, 11, 395-402.	14.5	1,113
3	Regulation of inflammasome signaling. <i>Nature Immunology</i> , 2012, 13, 333-342.	14.5	802
4	Inflammasome Complexes: Emerging Mechanisms and Effector Functions. <i>Cell</i> , 2016, 165, 792-800.	28.9	761
5	TRIF Licenses Caspase-11-Dependent NLRP3 Inflammasome Activation by Gram-Negative Bacteria. <i>Cell</i> , 2012, 150, 606-619.	28.9	645
6	Bacterial Outer Membrane Vesicles Mediate Cytosolic Localization of LPS and Caspase-11 Activation. <i>Cell</i> , 2016, 165, 1106-1119.	28.9	534
7	Nitric oxide controls the immunopathology of tuberculosis by inhibiting NLRP3 inflammasome-dependent processing of IL-1 β . <i>Nature Immunology</i> , 2013, 14, 52-60.	14.5	500
8	Structures of the HIN Domain:DNA Complexes Reveal Ligand Binding and Activation Mechanisms of the AIM2 Inflammasome and IFI16 Receptor. <i>Immunity</i> , 2012, 36, 561-571.	14.3	456
9	Mechanisms of inflammasome activation: recent advances and novel insights. <i>Trends in Cell Biology</i> , 2015, 25, 308-315.	7.9	408
10	<i>Citrobacter rodentium</i> : infection, inflammation and the microbiota. <i>Nature Reviews Microbiology</i> , 2014, 12, 612-623.	28.6	392
11	Innate immunity to intracellular LPS. <i>Nature Immunology</i> , 2019, 20, 527-533.	14.5	342
12	Mouse, but not Human STING, Binds and Signals in Response to the Vascular Disrupting Agent 5,6-Dimethylxanthenone-4-Acetic Acid. <i>Journal of Immunology</i> , 2013, 190, 5216-5225.	0.8	334
13	The NLRP12 Inflammasome Recognizes <i>Yersinia pestis</i> . <i>Immunity</i> , 2012, 37, 96-107.	14.3	293
14	Cutting Edge: FAS (CD95) Mediates Noncanonical IL-1 β and IL-18 Maturation via Caspase-8 in an RIP3-Independent Manner. <i>Journal of Immunology</i> , 2012, 189, 5508-5512.	0.8	254
15	Gasdermin D Restrains Type I Interferon Response to Cytosolic DNA by Disrupting Ionic Homeostasis. <i>Immunity</i> , 2018, 49, 413-426.e5.	14.3	187
16	Activation of caspase-1 by the NLRP3 inflammasome regulates the NADPH oxidase NOX2 to control phagosome function. <i>Nature Immunology</i> , 2013, 14, 543-553.	14.5	177
17	Dual Engagement of the NLRP3 and AIM2 Inflammasomes by Plasmodium-Derived Hemozoin and DNA during Malaria. <i>Cell Reports</i> , 2014, 6, 196-210.	6.4	152
18	Inflammasome, Inflammation, and Tissue Homeostasis. <i>Trends in Molecular Medicine</i> , 2018, 24, 304-318.	6.7	137

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19	Caspase-8 Modulates Dectin-1 and Complement Receptor 3-Driven IL-1 β Production in Response to β -Glucans and the Fungal Pathogen, <i>Candida albicans</i> . <i>Journal of Immunology</i> , 2014, 193, 2519-2530.	0.8	114
20	AIM2 in health and disease: Inflammasome and beyond. <i>Immunological Reviews</i> , 2020, 297, 83-95.	6.0	107
21	Cutting Edge: <i>Mycobacterium tuberculosis</i> but Not Nonvirulent Mycobacteria Inhibits IFN- β and AIM2 Inflammasome-Dependent IL-1 β Production via Its ESX-1 Secretion System. <i>Journal of Immunology</i> , 2013, 191, 3514-3518.	0.8	102
22	Bacterial RNA:DNA hybrids are activators of the NLRP3 inflammasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7765-7770.	7.1	92
23	Cytosolic surveillance and antiviral immunity. <i>Current Opinion in Virology</i> , 2011, 1, 455-462.	5.4	80
24	Long Noncoding RNAs in Host-Pathogen Interactions. <i>Trends in Immunology</i> , 2019, 40, 492-510.	6.8	73
25	Intracellular immune sensing promotes inflammation via gasdermin-driven release of a lectin alarmin. <i>Nature Immunology</i> , 2021, 22, 154-165.	14.5	73
26	<i>Aim2</i> Deficiency Stimulates the Expression of IFN-Inducible <i>Ifi202</i> , a Lupus Susceptibility Murine Gene within the <i>Nba2</i> Autoimmune Susceptibility Locus. <i>Journal of Immunology</i> , 2010, 185, 7385-7393.	0.8	69
27	RNA and β -Hemolysin of Group B Streptococcus Induce Interleukin-1 β (IL-1 β) by Activating NLRP3 Inflammasomes in Mouse Macrophages. <i>Journal of Biological Chemistry</i> , 2014, 289, 13701-13705.	3.4	62
28	Emerging Insights into Noncanonical Inflammasome Recognition of Microbes. <i>Journal of Molecular Biology</i> , 2018, 430, 207-216.	4.2	49
29	Inflammasomes and Anti-Viral Immunity. <i>Journal of Clinical Immunology</i> , 2010, 30, 632-637.	3.8	42
30	<i>Aim2</i> Deficiency in Mice Suppresses the Expression of the Inhibitory Fc γ 3 Receptor (Fc γ 3RIIB) through the Induction of the IFN-Inducible p202, a Lupus Susceptibility Protein. <i>Journal of Immunology</i> , 2011, 186, 6762-6770.	0.8	33
31	Inflammation in Mice Ectopically Expressing Human Pyogenic Arthritis, Pyoderma Gangrenosum, and Acne (PAPA) Syndrome-associated PSTPIP1 A230T Mutant Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 4594-4601.	3.4	33
32	A TLR4-independent critical role for CD14 in intracellular LPS sensing. <i>Cell Reports</i> , 2022, 39, 110755.	6.4	25
33	SnapShot: Inflammasomes. <i>Cell</i> , 2013, 153, 272-272.e1.	28.9	23
34	Long Non-coding RNA LincRNA-EP5 Inhibits Host Defense Against <i>Listeria monocytogenes</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 481.	3.9	23
35	Mechanisms and Consequences of Noncanonical Inflammasome-Mediated Pyroptosis. <i>Journal of Molecular Biology</i> , 2022, 434, 167245.	4.2	21
36	Lipopolysaccharide sensing on the inside. <i>Nature</i> , 2013, 501, 173-175.	27.8	20

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37	Hierarchical cell-type-specific functions of caspase-11 in LPS shock and antibacterial host defense. <i>Cell Reports</i> , 2021, 35, 109012.	6.4	19
38	TRIL Is Involved in Cytokine Production in the Brain following <i>Escherichia coli</i> Infection. <i>Journal of Immunology</i> , 2014, 193, 1911-1919.	0.8	18
39	Shiga toxin suppresses noncanonical inflammasome responses to cytosolic LPS. <i>Science Immunology</i> , 2020, 5, .	11.9	17
40	Defective pro-IL-1 β responses in macrophages from aged mice. <i>Immunity and Ageing</i> , 2012, 9, 27.	4.2	16
41	Lipid Peroxidation Adds Fuel to Pyr(optosis). <i>Cell Host and Microbe</i> , 2018, 24, 8-9.	11.0	16
42	Catenin' on to nucleic acid sensing. <i>Nature Immunology</i> , 2010, 11, 466-468.	14.5	10
43	Bone Marrow Transplantation Rescues Monocyte Recruitment Defect and Improves Cystic Fibrosis in Mice. <i>Journal of Immunology</i> , 2022, 208, 745-752.	0.8	7
44	GBPs take AIM at Francisella. <i>Nature Immunology</i> , 2015, 16, 443-444.	14.5	6
45	Transition from identity to bioactivityâ€guided proteomics for biomarker discovery with focus on the PF2D platform. <i>Proteomics - Clinical Applications</i> , 2016, 10, 8-24.	1.6	5
46	(IR)Factor for NAIP Expression. <i>Cell</i> , 2018, 173, 817-819.	28.9	1