Vijay A Rathinam

List of Publications by Year in Descending Order

44 papers	8,279 citations	29 h-index	46 g-index
46 ext. papers	9,849 ext. citations	18.3 avg, IF	6.19 L-index

#	Paper	IF	Citations
44	Bone Marrow Transplantation Rescues Monocyte Recruitment Defect and Improves Cystic Fibrosis in Mice.. *Journal of Immunology*, **2022**,	5.3	2
43	A TLR4-independent critical role for CD14 in intracellular LPS sensing.. *Cell Reports*, **2022**, 39, 110755	10.6	5
42	Hierarchical cell-type-specific functions of caspase-11 in LPS shock and antibacterial host defense. *Cell Reports*, **2021**, 35, 109012	10.6	9
41	Intracellular immune sensing promotes inflammation via gasdermin D-driven release of a lectin alarmin. *Nature Immunology*, **2021**, 22, 154-165	19.1	31
40	Mechanisms and Consequences of Noncanonical Inflammasome-Mediated Pyroptosis. *Journal of Molecular Biology*, **2021**, 434, 167245	6.5	1
39	Shiga toxin suppresses noncanonical inflammasome responses to cytosolic LPS. *Science Immunology* , **2020**, 5,	28	8
38	AIM2 in health and disease: Inflammasome and beyond. *Immunological Reviews*, **2020**, 297, 83-95	11.3	27
37	Long Noncoding RNAs in Host-Pathogen Interactions. *Trends in Immunology*, **2019**, 40, 492-510	14.4	34
36	Innate immunity to intracellular LPS. *Nature Immunology*, **2019**, 20, 527-533	19.1	168
35	Long Non-coding RNA LincRNA-EPS Inhibits Host Defense Against Infection. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 481	5.9	11
34	Inflammasome, Inflammation, and Tissue Homeostasis. *Trends in Molecular Medicine*, **2018**, 24, 304-318	11.5	69
33	(IR)Factor for NAIP Expression. *Cell*, **2018**, 173, 817-819	56.2	1
32	Emerging Insights into Noncanonical Inflammasome Recognition of Microbes. *Journal of Molecular Biology*, **2018**, 430, 207-216	6.5	32
31	Lipid Peroxidation Adds Fuel to Pyr(optosis). *Cell Host and Microbe*, **2018**, 24, 8-9	23.4	8
30	Gasdermin D Restrains Type I Interferon Response to Cytosolic DNA by Disrupting Ionic Homeostasis. *Immunity*, **2018**, 49, 413-426.e5	32.3	112
29	Transition from identity to bioactivity-guided proteomics for biomarker discovery with focus on the PF2D platform. *Proteomics - Clinical Applications*, **2016**, 10, 8-24	3.1	3
28	Bacterial Outer Membrane Vesicles Mediate Cytosolic Localization of LPS and Caspase-11 Activation. *Cell*, **2016**, 165, 1106-1119	56.2	333

27	Inflammasome Complexes: Emerging Mechanisms and Effector Functions. *Cell*, **2016**, 165, 792-800	56.2	450
26	GBPs take AIM at Francisella. *Nature Immunology*, **2015**, 16, 443-4	19.1	5
25	Mechanisms of inflammasome activation: recent advances and novel insights. *Trends in Cell Biology*, **2015**, 25, 308-15	18.3	309
24	Caspase-8 modulates dectin-1 and complement receptor 3-driven IL-1β production in response to β-glucans and the fungal pathogen, Candida albicans. *Journal of Immunology*, **2014**, 193, 2519-2530	5.3	89
23	Citrobacter rodentium: infection, inflammation and the microbiota. *Nature Reviews Microbiology*, **2014**, 12, 612-23	22.2	277
22	TRIL is involved in cytokine production in the brain following Escherichia coli infection. *Journal of Immunology*, **2014**, 193, 1911-9	5.3	15
21	Dual engagement of the NLRP3 and AIM2 inflammasomes by plasmodium-derived hemozoin and DNA during malaria. *Cell Reports*, **2014**, 6, 196-210	10.6	116
20	Bacterial RNA:DNA hybrids are activators of the NLRP3 inflammasome. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7765-70	11.5	72
19	RNA and β-hemolysin of group B Streptococcus induce interleukin-1β (IL-1β) by activating NLRP3 inflammasomes in mouse macrophages. *Journal of Biological Chemistry*, **2014**, 289, 13701-5	5.4	52
18	Cutting edge: Mycobacterium tuberculosis but not nonvirulent mycobacteria inhibits IFN-β and AIM2 inflammasome-dependent IL-1β production via its ESX-1 secretion system. *Journal of Immunology*, **2013**, 191, 3514-8	5.3	83
17	Nitric oxide controls the immunopathology of tuberculosis by inhibiting NLRP3 inflammasome-dependent processing of IL-1β *Nature Immunology*, **2013**, 14, 52-60	19.1	394
16	SnapShot: inflammasomes. *Cell*, **2013**, 153, 272-272.e1	56.2	16
15	Activation of caspase-1 by the NLRP3 inflammasome regulates the NADPH oxidase NOX2 to control phagosome function. *Nature Immunology*, **2013**, 14, 543-53	19.1	151
14	Inflammation in mice ectopically expressing human Pyogenic Arthritis, Pyoderma Gangrenosum, and Acne (PAPA) Syndrome-associated PSTPIP1 A230T mutant proteins. *Journal of Biological Chemistry*, **2013**, 288, 4594-601	5.4	29
13	Mouse, but not human STING, binds and signals in response to the vascular disrupting agent 5,6-dimethylxanthenone-4-acetic acid. *Journal of Immunology*, **2013**, 190, 5216-25	5.3	237
12	TRIF licenses caspase-11-dependent NLRP3 inflammasome activation by gram-negative bacteria. *Cell*, **2012**, 150, 606-19	56.2	527
11	The NLRP12 inflammasome recognizes Yersinia pestis. *Immunity*, **2012**, 37, 96-107	32.3	237
10	Cutting edge: FAS (CD95) mediates noncanonical IL-1β and IL-18 maturation via caspase-8 in an RIP3-independent manner. *Journal of Immunology*, **2012**, 189, 5508-12	5.3	207

9	Structures of the HIN domain:DNA complexes reveal ligand binding and activation mechanisms of the AIM2 inflammasome and IFI16 receptor. *Immunity*, **2012**, 36, 561-71	32.3	352
8	Defective pro-IL-1β responses in macrophages from aged mice. *Immunity and Ageing*, **2012**, 9, 27	9.7	13
7	Regulation of inflammasome signaling. *Nature Immunology*, **2012**, 13, 333-42	19.1	674
6	Cytosolic surveillance and antiviral immunity. *Current Opinion in Virology*, **2011**, 1, 455-62	7.5	65
5	Autophagy proteins regulate innate immune responses by inhibiting the release of mitochondrial DNA mediated by the NALP3 inflammasome. *Nature Immunology*, **2011**, 12, 222-30	19.1	1959
4	Aim2 deficiency in mice suppresses the expression of the inhibitory Fcgamma receptor (FcgammaRIIB) through the induction of the IFN-inducible p202, a lupus susceptibility protein. *Journal of Immunology*, **2011**, 186, 6762-70	5.3	29
3	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. *Nature Immunology*, **2010**, 11, 395-402	19.1	944
2	Aim2 deficiency stimulates the expression of IFN-inducible Ifi202, a lupus susceptibility murine gene within the Nba2 autoimmune susceptibility locus. *Journal of Immunology*, **2010**, 185, 7385-93	5.3	61
1	Inflammasomes and anti-viral immunity. *Journal of Clinical Immunology*, **2010**, 30, 632-7	5.7	39