

Vijay A Rathinam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6228264/publications.pdf>

Version: 2024-02-01

46
papers

11,090
citations

159585

30
h-index

223800

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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 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 |