

# R K Subbarao Malireddi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

6,166  
citations

39  
h-index

74  
g-index

74  
ext. papers

8,139  
ext. citations

16.4  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
70	ZBP1-dependent inflammatory cell death, PANoptosis, and cytokine storm disrupt IFN therapeutic efficacy during coronavirus infection.. <i>Science Immunology</i> , <b>2022</b> , eabo6294	28	5
69	ADAR1 restricts ZBP1-mediated immune response and PANoptosis to promote tumorigenesis. <i>Cell Reports</i> , <b>2021</b> , 37, 109858	10.6	17
68	Role of inflammasomes/pyroptosis and PANoptosis during fungal infection. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009358	7.6	7
67	Hierarchical Cell Death Program Disrupts the Intracellular Niche Required for <i>Burkholderia thailandensis</i> Pathogenesis. <i>MBio</i> , <b>2021</b> , 12, e0105921	7.8	4
66	Inflammatory Cell Death, PANoptosis, Mediated by Cytokines in Diverse Cancer Lineages Inhibits Tumor Growth. <i>ImmunoHorizons</i> , <b>2021</b> , 5, 568-580	2.7	20
65	Synergism of TNF- $\alpha$ and IFN- $\gamma$ Triggers Inflammatory Cell Death, Tissue Damage, and Mortality in SARS-CoV-2 Infection and Cytokine Shock Syndromes. <i>Cell</i> , <b>2021</b> , 184, 149-168.e17	56.2	333
64	DDX3X coordinates host defense against influenza virus by activating the NLRP3 inflammasome and type I interferon response. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100579	5.4	5
63	Osteoclast fusion and bone loss are restricted by interferon inducible guanylate binding proteins. <i>Nature Communications</i> , <b>2021</b> , 12, 496	17.4	16
62	A MyD88/IL1R Axis Regulates PD-1 Expression on Tumor-Associated Macrophages and Sustains Their Immunosuppressive Function in Melanoma. <i>Cancer Research</i> , <b>2021</b> , 81, 2358-2372	10.1	3
61	The PANoptosome: A Deadly Protein Complex Driving Pyroptosis, Apoptosis, and Necroptosis (PANoptosis). <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 238	5.9	64
60	Caspases in Cell Death, Inflammation, and Pyroptosis. <i>Annual Review of Immunology</i> , <b>2020</b> , 38, 567-595	34.7	126
59	The Z $\beta$ domain of ZBP1 is a molecular switch regulating influenza-induced PANoptosis and perinatal lethality during development. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 8325-8330	5.4	52
58	Identification of the PANoptosome: A Molecular Platform Triggering Pyroptosis, Apoptosis, and Necroptosis (PANoptosis). <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 237	5.9	84
57	Interferon regulatory factor 1 regulates PANoptosis to prevent colorectal cancer. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	48
56	RIPK1 Distinctly Regulates -Induced Inflammatory Cell Death, PANoptosis. <i>ImmunoHorizons</i> , <b>2020</b> , 4, 789-796	2.7	18
55	Synergism of TNF- $\alpha$ and IFN- $\gamma$ Triggers inflammatory cell death, tissue damage, and mortality in SARS-CoV-2 infection and cytokine shock syndromes <b>2020</b> ,		14
54	RIPK3 Promotes Expression and Pyrin Inflammasome Activation via Modulation of mTOR Signaling. <i>Journal of Immunology</i> , <b>2020</b> , 205, 2778-2785	5.3	3

53	Galactosaminogalactan activates the inflammasome to provide host protection. <i>Nature</i> , <b>2020</b> , 588, 688-694	5.4	28
52	Impaired NLRP3 inflammasome activation/pyroptosis leads to robust inflammatory cell death via caspase-8/RIPK3 during coronavirus infection. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 14040-14052	5.4	76
51	Innate immune priming in the absence of TAK1 drives RIPK1 kinase activity-independent pyroptosis, apoptosis, necroptosis, and inflammatory disease. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	85
50	A comprehensive guide to studying inflammasome activation and cell death. <i>Nature Protocols</i> , <b>2020</b> , 15, 3284-3333	18.8	11
49	DDX3X acts as a live-or-die checkpoint in stressed cells by regulating NLRP3 inflammasome. <i>Nature</i> , <b>2019</b> , 573, 590-594	50.4	130
48	ZBP1 and TAK1: Master Regulators of NLRP3 Inflammasome/Pyroptosis, Apoptosis, and Necroptosis (PAN-optosis). <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 406	5.9	85
47	Fungal ligands released by innate immune effectors promote inflammasome activation during <i>Aspergillus fumigatus</i> infection. <i>Nature Microbiology</i> , <b>2019</b> , 4, 316-327	26.6	39
46	Food for Training-Western Diet and Inflammatory Memory. <i>Cell Metabolism</i> , <b>2018</b> , 27, 481-482	24.6	3
45	TAK1 restricts spontaneous NLRP3 activation and cell death to control myeloid proliferation. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1023-1034	16.6	107
44	IRF8 Regulates Transcription of Naips for NLRC4 Inflammasome Activation. <i>Cell</i> , <b>2018</b> , 173, 920-933.e13	56.2	95
43	Detrimental Type I Interferon Signaling Dominates Protective AIM2 Inflammasome Responses during <i>Francisella novicida</i> Infection. <i>Cell Reports</i> , <b>2018</b> , 22, 3168-3174	10.6	24
42	Genetic deficiency of NOD2 confers resistance to invasive aspergillosis. <i>Nature Communications</i> , <b>2018</b> , 9, 2636	17.4	30
41	SYK-CARD9 Signaling Axis Promotes Gut Fungi-Mediated Inflammasome Activation to Restrict Colitis and Colon Cancer. <i>Immunity</i> , <b>2018</b> , 49, 515-530.e5	32.3	71
40	GSDMD is critical for autoinflammatory pathology in a mouse model of Familial Mediterranean Fever. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1519-1529	16.6	91
39	The TWIK2 Potassium Efflux Channel in Macrophages Mediates NLRP3 Inflammasome-Induced Inflammation. <i>Immunity</i> , <b>2018</b> , 49, 56-65.e4	32.3	134
38	Critical role of caspase-8-mediated IL-1 signaling in promoting Th2 responses during asthma pathogenesis. <i>Mucosal Immunology</i> , <b>2017</b> , 10, 128-138	9.2	15
37	ZBP1/DAI ubiquitination and sensing of influenza vRNPs activate programmed cell death. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 2217-2229	16.6	88
36	NLRC3 regulates cellular proliferation and apoptosis to attenuate the development of colorectal cancer. <i>Cell Cycle</i> , <b>2017</b> , 16, 1243-1251	4.7	36

35	The Absence of NOD1 Enhances Killing of Through Modulation of Dectin-1 Expression. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1777	8.4	14
34	Cathepsin B modulates lysosomal biogenesis and host defense against Francisella novicida infection. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 2081-97	16.6	45
33	ZBP1/DAI is an innate sensor of influenza virus triggering the NLRP3 inflammasome and programmed cell death pathways. <i>Science Immunology</i> , <b>2016</b> , 1,	28	285
32	NLRC3 is an inhibitory sensor of PI3K-mTOR pathways in cancer. <i>Nature</i> , <b>2016</b> , 540, 583-587	50.4	112
31	IRGB10 Liberates Bacterial Ligands for Sensing by the AIM2 and Caspase-11-NLRP3 Inflammasomes. <i>Cell</i> , <b>2016</b> , 167, 382-396.e17	56.2	187
30	Concerted activation of the AIM2 and NLRP3 inflammasomes orchestrates host protection against Aspergillus infection. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 357-368	23.4	174
29	Critical Role for the DNA Sensor AIM2 in Stem Cell Proliferation and Cancer. <i>Cell</i> , <b>2015</b> , 162, 45-58	56.2	213
28	Molecular characterization of LC3-associated phagocytosis reveals distinct roles for Rubicon, NOX2 and autophagy proteins. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 893-906	23.4	497
27	NALP3 inflammasome upregulation and CASP1 cleavage of the glucocorticoid receptor cause glucocorticoid resistance in leukemia cells. <i>Nature Genetics</i> , <b>2015</b> , 47, 607-14	36.3	96
26	The transcription factor IRF1 and guanylate-binding proteins target activation of the AIM2 inflammasome by Francisella infection. <i>Nature Immunology</i> , <b>2015</b> , 16, 467-75	19.1	232
25	Chronic TLR Stimulation Controls NLRP3 Inflammasome Activation through IL-10 Mediated Regulation of NLRP3 Expression and Caspase-8 Activation. <i>Scientific Reports</i> , <b>2015</b> , 5, 14488	4.9	91
24	GNL3L Is a Nucleo-Cytoplasmic Shuttling Protein: Role in Cell Cycle Regulation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135845	5.8	8
23	IL-10 engages macrophages to shift Th17 cytokine dependency and pathogenicity during T-cell-mediated colitis. <i>Nature Communications</i> , <b>2015</b> , 6, 6131	17.4	43
22	Fungal chitin dampens inflammation through IL-10 induction mediated by NOD2 and TLR9 activation. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004050	7.6	185
21	Autophagy is redundant for the host defense against systemic Candida albicans infections. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>2014</b> , 33, 711-22	5.3	31
20	FADD and caspase-8 mediate priming and activation of the canonical and noncanonical Nlrp3 inflammasomes. <i>Journal of Immunology</i> , <b>2014</b> , 192, 1835-46	5.3	331
19	Role of type I interferons in inflammasome activation, cell death, and disease during microbial infection. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2013</b> , 3, 77	5.9	71
18	Addendum: defective Dock2 expression in a subset of ASC-deficient mouse lines. <i>Nature Immunology</i> , <b>2012</b> , 13, 701-2	19.1	17

17	Murine <i>Borrelia</i> arthritis is highly dependent on ASC and caspase-1, but independent of NLRP3. <i>Arthritis Research and Therapy</i> , <b>2012</b> , 14, R247	5.7	16
16	NLRP6 negatively regulates innate immunity and host defence against bacterial pathogens. <i>Nature</i> , <b>2012</b> , 488, 389-93	50.4	271
15	Toll or interleukin-1 receptor (TIR) domain-containing adaptor inducing interferon- $\gamma$ (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> , <b>2012</b> , 287, 34474-83	5.4	192
14	The inflammasome adaptor ASC regulates the function of adaptive immune cells by controlling Dock2-mediated Rac activation and actin polymerization. <i>Nature Immunology</i> , <b>2011</b> , 12, 1010-6	19.1	88
13	The NOD-like receptor NLRP12 attenuates colon inflammation and tumorigenesis. <i>Cancer Cell</i> , <b>2011</b> , 20, 649-60	24.3	282
12	The inflammasome drives protective Th1 and Th17 cellular responses in disseminated candidiasis. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 2260-8	6.1	104
11	Signals and pathways regulating nucleolar retention of novel putative nucleolar GTPase NGP-1(GNL-2). <i>Biochemistry</i> , <b>2011</b> , 50, 4521-36	3.2	6
10	Role of the nlrp3 inflammasome in microbial infection. <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 12	5.7	63
9	Cutting edge: proteolytic inactivation of poly(ADP-ribose) polymerase 1 by the Nlrp3 and Nlrp4 inflammasomes. <i>Journal of Immunology</i> , <b>2010</b> , 185, 3127-30	5.3	87
8	Engagement of fatty acids with Toll-like receptor 2 drives interleukin-1 $\beta$ production via the ASC/caspase 1 pathway in monosodium urate monohydrate crystal-induced gouty arthritis. <i>Arthritis and Rheumatism</i> , <b>2010</b> , 62, 3237-48		208
7	Fungal zymosan and mannan activate the cryopyrin inflammasome. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 20574-81	5.4	113
6	Nuclear transport of Ras-associated tumor suppressor proteins: different transport receptor binding specificities for arginine-rich nuclear targeting signals. <i>Journal of Molecular Biology</i> , <b>2007</b> , 367, 1294-311	6.5	25
5	Simian immunodeficiency virus Vpx is imported into the nucleus via importin alpha-dependent and -independent pathways. <i>Journal of Virology</i> , <b>2006</b> , 80, 526-36	6.6	15
4	Nuclear export of simian immunodeficiency virus Vpx protein. <i>Journal of Virology</i> , <b>2006</b> , 80, 12271-82	6.6	12
3	The homologous putative GTPases Grn1p from fission yeast and the human GNL3L are required for growth and play a role in processing of nucleolar pre-rRNA. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 460-74	7.5	39
2	A novel lysine-rich domain and GTP binding motifs regulate the nucleolar retention of human guanine nucleotide binding protein, GNL3L. <i>Journal of Molecular Biology</i> , <b>2006</b> , 364, 637-54	6.5	20
1	Phosphorylation by MAPK regulates simian immunodeficiency virus Vpx protein nuclear import and virus infectivity. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 8553-63	5.4	18