R K Subbarao Malireddi

List of Publications by Citations

70	6,166	39	74
papers	citations	h-index	g-index
74	8,139	16.4	6.1
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
70	Molecular characterization of LC3-associated phagocytosis reveals distinct roles for Rubicon, NOX2 and autophagy proteins. *Nature Cell Biology*, **2015**, 17, 893-906	23.4	497
69	Synergism of TNF-and IFN-Triggers Inflammatory Cell Death, Tissue Damage, and Mortality in SARS-CoV-2 Infection and Cytokine Shock Syndromes. *Cell*, **2021**, 184, 149-168.e17	56.2	333
68	FADD and caspase-8 mediate priming and activation of the canonical and noncanonical Nlrp3 inflammasomes. *Journal of Immunology*, **2014**, 192, 1835-46	5.3	331
67	ZBP1/DAI is an innate sensor of influenza virus triggering the NLRP3 inflammasome and programmed cell death pathways. *Science Immunology*, **2016**, 1,	28	285
66	The NOD-like receptor NLRP12 attenuates colon inflammation and tumorigenesis. *Cancer Cell*, **2011**, 20, 649-60	24.3	282
65	NLRP6 negatively regulates innate immunity and host defence against bacterial pathogens. *Nature*, **2012**, 488, 389-93	50.4	271
64	The transcription factor IRF1 and guanylate-binding proteins target activation of the AIM2 inflammasome by Francisella infection. *Nature Immunology*, **2015**, 16, 467-75	19.1	232
63	Critical Role for the DNA Sensor AIM2 in Stem Cell Proliferation and Cancer. *Cell*, **2015**, 162, 45-58	56.2	213
62	Engagement of fatty acids with Toll-like receptor 2 drives interleukin-1production via the ASC/caspase 1 pathway in monosodium urate monohydrate crystal-induced gouty arthritis. *Arthritis and Rheumatism*, **2010**, 62, 3237-48		208
61	Toll or interleukin-1 receptor (TIR) domain-containing adaptor inducing interferon- (TRIF)-mediated caspase-11 protease production integrates Toll-like receptor 4 (TLR4) protein- and Nlrp3 inflammasome-mediated host defense against enteropathogens. *Journal of Biological Chemistry*, **2012**, 287, 34474-83	5.4	192
60	IRGB10 Liberates Bacterial Ligands for Sensing by the AIM2 and Caspase-11-NLRP3 Inflammasomes. *Cell*, **2016**, 167, 382-396.e17	56.2	187
59	Fungal chitin dampens inflammation through IL-10 induction mediated by NOD2 and TLR9 activation. *PLoS Pathogens*, **2014**, 10, e1004050	7.6	185
58	Concerted activation of the AIM2 and NLRP3 inflammasomes orchestrates host protection against Aspergillus infection. *Cell Host and Microbe*, **2015**, 17, 357-368	23.4	174
57	The TWIK2 Potassium Efflux Channel in Macrophages Mediates NLRP3 Inflammasome-Induced Inflammation. *Immunity*, **2018**, 49, 56-65.e4	32.3	134
56	DDX3X acts as a live-or-die checkpoint in stressed cells by regulating NLRP3 inflammasome. *Nature*, **2019**, 573, 590-594	50.4	130
55	Caspases in Cell Death, Inflammation, and Pyroptosis. *Annual Review of Immunology*, **2020**, 38, 567-595	34.7	126
54	Fungal zymosan and mannan activate the cryopyrin inflammasome. *Journal of Biological Chemistry*, **2009**, 284, 20574-81	5.4	113

53	NLRC3 is an inhibitory sensor of PI3K-mTOR pathways in cancer. *Nature*, **2016**, 540, 583-587	50.4	112
52	TAK1 restricts spontaneous NLRP3 activation and cell death to control myeloid proliferation. *Journal of Experimental Medicine*, **2018**, 215, 1023-1034	16.6	107
51	The inflammasome drives protective Th1 and Th17 cellular responses in disseminated candidiasis. *European Journal of Immunology*, **2011**, 41, 2260-8	6.1	104
50	NALP3 inflammasome upregulation and CASP1 cleavage of the glucocorticoid receptor cause glucocorticoid resistance in leukemia cells. *Nature Genetics*, **2015**, 47, 607-14	36.3	96
49	IRF8 Regulates Transcription of Naips for NLRC4 Inflammasome Activation. *Cell*, **2018**, 173, 920-933.e13	56.2	95
48	Chronic TLR Stimulation Controls NLRP3 Inflammasome Activation through IL-10 Mediated Regulation of NLRP3 Expression and Caspase-8 Activation. *Scientific Reports*, **2015**, 5, 14488	4.9	91
47	GSDMD is critical for autoinflammatory pathology in a mouse model of Familial Mediterranean Fever. *Journal of Experimental Medicine*, **2018**, 215, 1519-1529	16.6	91
46	ZBP1/DAI ubiquitination and sensing of influenza vRNPs activate programmed cell death. *Journal of Experimental Medicine*, **2017**, 214, 2217-2229	16.6	88
45	The inflammasome adaptor ASC regulates the function of adaptive immune cells by controlling Dock2-mediated Rac activation and actin polymerization. *Nature Immunology*, **2011**, 12, 1010-6	19.1	88
44	Cutting edge: proteolytic inactivation of poly(ADP-ribose) polymerase 1 by the Nlrp3 and Nlrc4 inflammasomes. *Journal of Immunology*, **2010**, 185, 3127-30	5.3	87
43	Innate immune priming in the absence of TAK1 drives RIPK1 kinase activity-independent pyroptosis, apoptosis, necroptosis, and inflammatory disease. *Journal of Experimental Medicine*, **2020**, 217,	16.6	85
42	ZBP1 and TAK1: Master Regulators of NLRP3 Inflammasome/Pyroptosis, Apoptosis, and Necroptosis (PAN-optosis). *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 406	5.9	85
41	Identification of the PANoptosome: A Molecular Platform Triggering Pyroptosis, Apoptosis, and Necroptosis (PANoptosis). *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 237	5.9	84
40	Impaired NLRP3 inflammasome activation/pyroptosis leads to robust inflammatory cell death via caspase-8/RIPK3 during coronavirus infection. *Journal of Biological Chemistry*, **2020**, 295, 14040-14052	5.4	76
39	Role of type I interferons in inflammasome activation, cell death, and disease during microbial infection. *Frontiers in Cellular and Infection Microbiology*, **2013**, 3, 77	5.9	71
38	SYK-CARD9 Signaling Axis Promotes Gut Fungi-Mediated Inflammasome Activation to Restrict Colitis and Colon Cancer. *Immunity*, **2018**, 49, 515-530.e5	32.3	71
37	The PANoptosome: A Deadly Protein Complex Driving Pyroptosis, Apoptosis, and Necroptosis (PANoptosis). *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 238	5.9	64
36	Role of the nlrp3 inflammasome in microbial infection. *Frontiers in Microbiology*, **2011**, 2, 12	5.7	63

35	The Z⍰ domain of ZBP1 is a molecular switch regulating influenza-induced PANoptosis and perinatal lethality during development. *Journal of Biological Chemistry*, **2020**, 295, 8325-8330	5.4	52
34	Interferon regulatory factor 1 regulates PANoptosis to prevent colorectal cancer. *JCI Insight*, **2020**, 5,	9.9	48
33	Cathepsin B modulates lysosomal biogenesis and host defense against Francisella novicida infection. *Journal of Experimental Medicine*, **2016**, 213, 2081-97	16.6	45
32	IL-10 engages macrophages to shift Th17 cytokine dependency and pathogenicity during T-cell-mediated colitis. *Nature Communications*, **2015**, 6, 6131	17.4	43
31	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. *Molecular Biology of the Cell*, **2006**, 17, 460-74	3.5	39
30	Fungal ligands released by innate immune effectors promote inflammasome activation during Aspergillus fumigatus infection. *Nature Microbiology*, **2019**, 4, 316-327	26.6	39
29	NLRC3 regulates cellular proliferation and apoptosis to attenuate the development of colorectal cancer. *Cell Cycle*, **2017**, 16, 1243-1251	4.7	36
28	Autophagy is redundant for the host defense against systemic Candida albicans infections. *European Journal of Clinical Microbiology and Infectious Diseases*, **2014**, 33, 711-22	5.3	31
27	Genetic deficiency of NOD2 confers resistance to invasive aspergillosis. *Nature Communications*, **2018**, 9, 2636	17.4	30
26	Galactosaminogalactan activates the inflammasome to provide host protection. *Nature*, **2020**, 588, 688-692	50.4	28
25	Nuclear transport of Ras-associated tumor suppressor proteins: different transport receptor binding specificities for arginine-rich nuclear targeting signals. *Journal of Molecular Biology*, **2007**, 367, 1294-311	6.5	25
24	Detrimental Type I Interferon Signaling Dominates Protective AIM2 Inflammasome Responses during Francisella novicida Infection. *Cell Reports*, **2018**, 22, 3168-3174	10.6	24
23	A novel lysine-rich domain and GTP binding motifs regulate the nucleolar retention of human guanine nucleotide binding protein, GNL3L. *Journal of Molecular Biology*, **2006**, 364, 637-54	6.5	20
22	Inflammatory Cell Death, PANoptosis, Mediated by Cytokines in Diverse Cancer Lineages Inhibits Tumor Growth. *ImmunoHorizons*, **2021**, 5, 568-580	2.7	20
21	Phosphorylation by MAPK regulates simian immunodeficiency virus Vpx protein nuclear import and virus infectivity. *Journal of Biological Chemistry*, **2005**, 280, 8553-63	5.4	18
20	RIPK1 Distinctly Regulates -Induced Inflammatory Cell Death, PANoptosis. *ImmunoHorizons*, **2020**, 4, 789-796	2.7	18
19	Addendum: defective Dock2 expression in a subset of ASC-deficient mouse lines. *Nature Immunology*, **2012**, 13, 701-2	19.1	17
18	ADAR1 restricts ZBP1-mediated immune response and PANoptosis to promote tumorigenesis. *Cell Reports*, **2021**, 37, 109858	10.6	17

17	Murine Borrelia arthritis is highly dependent on ASC and caspase-1, but independent of NLRP3. *Arthritis Research and Therapy*, **2012**, 14, R247	5.7	16
16	Osteoclast fusion and bone loss are restricted by interferon inducible guanylate binding proteins. *Nature Communications*, **2021**, 12, 496	17.4	16
15	Critical role of caspase-8-mediated IL-1 signaling in promoting Th2 responses during asthma pathogenesis. *Mucosal Immunology*, **2017**, 10, 128-138	9.2	15
14	Simian immunodeficiency virus Vpx is imported into the nucleus via importin alpha-dependent and -independent pathways. *Journal of Virology*, **2006**, 80, 526-36	6.6	15
13	The Absence of NOD1 Enhances Killing of Through Modulation of Dectin-1 Expression. *Frontiers in Immunology*, **2017**, 8, 1777	8.4	14
12	Synergism of TNF-□and IFN-□triggers inflammatory cell death, tissue damage, and mortality in SARS-CoV-2 infection and cytokine shock syndromes **2020**,		14
11	Nuclear export of simian immunodeficiency virus Vpx protein. *Journal of Virology*, **2006**, 80, 12271-82	6.6	12
10	A comprehensive guide to studying inflammasome activation and cell death. *Nature Protocols*, **2020** , 15, 3284-3333	18.8	11
9	GNL3L Is a Nucleo-Cytoplasmic Shuttling Protein: Role in Cell Cycle Regulation. *PLoS ONE*, **2015**, 10, e0135845	3.7	8
8	Role of inflammasomes/pyroptosis and PANoptosis during fungal infection. *PLoS Pathogens*, **2021**, 17, e1009358	7.6	7
7	Signals and pathways regulating nucleolar retention of novel putative nucleolar GTPase NGP-1(GNL-2). *Biochemistry*, **2011**, 50, 4521-36	3.2	6
6	DDX3X coordinates host defense against influenza virus by activating the NLRP3 inflammasome and type I interferon response. *Journal of Biological Chemistry*, **2021**, 296, 100579	5.4	5
5	ZBP1-dependent inflammatory cell death, PANoptosis, and cytokine storm disrupt IFN therapeutic efficacy during coronavirus infection.. *Science Immunology*, **2022**, eabo6294	28	5
4	Hierarchical Cell Death Program Disrupts the Intracellular Niche Required for Burkholderia thailandensis Pathogenesis. *MBio*, **2021**, 12, e0105921	7.8	4
3	Food for Training-Western Diet and Inflammatory Memory. *Cell Metabolism*, **2018**, 27, 481-482	24.6	3
2	RIPK3 Promotes Expression and Pyrin Inflammasome Activation via Modulation of mTOR Signaling. *Journal of Immunology*, **2020**, 205, 2778-2785	5.3	3
1	A MyD88/IL1R Axis Regulates PD-1 Expression on Tumor-Associated Macrophages and Sustains Their Immunosuppressive Function in Melanoma. *Cancer Research*, **2021**, 81, 2358-2372	10.1	3