

Pavel Kovarik

List of Publications by Year in descending order

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59
papers

5,741
citations

101496

36
h-index

143943

57
g-index

64
all docs

64
docs citations

64
times ranked

10098
citing authors

#	ARTICLE	IF	CITATIONS
1	Serine phosphorylation of STATs. <i>Oncogene</i> , 2000, 19, 2628-2637.	2.6	790
2	Partial Impairment of Cytokine Responses in Tyk2-Deficient Mice. <i>Immunity</i> , 2000, 13, 549-560.	6.6	375
3	GAS Elements: A Few Nucleotides with a Major Impact on Cytokine-Induced Gene Expression. <i>Journal of Interferon and Cytokine Research</i> , 1997, 17, 121-134.	0.5	373
4	Central role for type I interferons and Tyk2 in lipopolysaccharide-induced endotoxin shock. <i>Nature Immunology</i> , 2003, 4, 471-477.	7.0	337
5	Stress-induced phosphorylation of STAT1 at Ser727 requires p38 mitogen-activated protein kinase whereas IFN-gamma uses a different signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 13956-13961.	3.3	253
6	Stat1 combines signals derived from IFN-gamma and LPS receptors during macrophage activation. <i>EMBO Journal</i> , 1998, 17, 3660-3668.	3.5	220
7	CDK8 Kinase Phosphorylates Transcription Factor STAT1 to Selectively Regulate the Interferon Response. <i>Immunity</i> , 2013, 38, 250-262.	6.6	220
8	IFNs and STATs in innate immunity to microorganisms. <i>Journal of Clinical Investigation</i> , 2002, 109, 1271-1277.	3.9	172
9	Specificity of signaling by STAT1 depends on SH2 and C-terminal domains that regulate Ser727 phosphorylation, differentially affecting specific target gene expression. <i>EMBO Journal</i> , 2001, 20, 91-100.	3.5	171
10	AREsite: a database for the comprehensive investigation of AU-rich elements. <i>Nucleic Acids Research</i> , 2011, 39, D66-D69.	6.5	140
11	Interferons limit inflammatory responses by induction of tristetraprolin. <i>Blood</i> , 2006, 107, 4790-4797.	0.6	136
12	Autophagy supports <i>Candida glabrata</i> survival during phagocytosis. <i>Cellular Microbiology</i> , 2010, 12, 199-216.	1.1	132
13	Protein tyrosine kinase Pyk2 mediates the Jak-dependent activation of MAPK and Stat1 in IFN- β , but not IFN- α , signaling. <i>EMBO Journal</i> , 1999, 18, 2480-2488.	3.5	131
14	Recruitment of Stat1 to chromatin is required for interferon-induced serine phosphorylation of Stat1 transactivation domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8944-8949.	3.3	130
15	Nine-amino-acid transactivation domain: Establishment and prediction utilities. <i>Genomics</i> , 2007, 89, 756-768.	1.3	126
16	p38 MAPK enhances STAT1-dependent transcription independently of Ser-727 phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12859-12864.	3.3	119
17	IFNs and STATs in innate immunity to microorganisms. <i>Journal of Clinical Investigation</i> , 2002, 109, 1271-1277.	3.9	112
18	Type I Interferon Production Induced by <i>Streptococcus pyogenes</i> -Derived Nucleic Acids Is Required for Host Protection. <i>PLoS Pathogens</i> , 2011, 7, e1001345.	2.1	110

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19	Tristetraprolin-driven regulatory circuit controls quality and timing of mRNA decay in inflammation. <i>Molecular Systems Biology</i> , 2011, 7, 560.	3.2	110
20	Tristetraprolin Is Required for Full Anti-Inflammatory Response of Murine Macrophages to IL-10. <i>Journal of Immunology</i> , 2009, 183, 1197-1206.	0.4	96
21	Transcription factor activity of STAT proteins: structural requirements and regulation by phosphorylation and interacting proteins. <i>Cellular and Molecular Life Sciences</i> , 1999, 55, 1535-1546.	2.4	95
22	Type I Interferons in Bacterial Infections: A Balancing Act. <i>Frontiers in Immunology</i> , 2016, 7, 652.	2.2	90
23	Type I Interferon Signaling Prevents IL-1 β -Driven Lethal Systemic Hyperinflammation during Invasive Bacterial Infection of Soft Tissue. <i>Cell Host and Microbe</i> , 2016, 19, 375-387.	5.1	88
24	Group A Streptococcus Activates Type I Interferon Production and MyD88-dependent Signaling without Involvement of TLR2, TLR4, and TLR9. <i>Journal of Biological Chemistry</i> , 2008, 283, 19879-19887.	1.6	80
25	AREsite2: an enhanced database for the comprehensive investigation of AU/GU/U-rich elements. <i>Nucleic Acids Research</i> , 2016, 44, D90-D95.	6.5	77
26	HuR Small-Molecule Inhibitor Elicits Differential Effects in Adenomatous Polyposis and Colorectal Carcinogenesis. <i>Cancer Research</i> , 2017, 77, 2424-2438.	0.4	75
27	Regulation of <i>Candida glabrata</i> oxidative stress resistance is adapted to host environment. <i>FEBS Letters</i> , 2011, 585, 319-327.	1.3	74
28	Tristetraprolin binding site atlas in the macrophage transcriptome reveals a switch for inflammation resolution. <i>Molecular Systems Biology</i> , 2016, 12, 868.	3.2	74
29	<i>Salmonella typhimurium</i> and Lipopolysaccharide Stimulate Extracellularly Regulated Kinase Activation in Macrophages by a Mechanism Involving Phosphatidylinositol 3-Kinase and Phospholipase D as Novel Intermediates. <i>Infection and Immunity</i> , 1999, 67, 1011-1017.	1.0	66
30	The Bicarbonate Transporter SLC4A7 Plays a Key Role in Macrophage Phagosome Acidification. <i>Cell Host and Microbe</i> , 2018, 23, 766-774.e5.	5.1	65
31	Phosphorylation of the Stat1 transactivating domain is required for the response to type I interferons. <i>EMBO Reports</i> , 2003, 4, 368-373.	2.0	61
32	Natural killer cell-intrinsic type I IFN signaling controls <i>Klebsiella pneumoniae</i> growth during lung infection. <i>PLoS Pathogens</i> , 2017, 13, e1006696.	2.1	54
33	Transcriptional Responses to IFN- β Require Mediator Kinase-Dependent Pause Release and Mechanistically Distinct CDK8 and CDK19 Functions. <i>Molecular Cell</i> , 2019, 76, 485-499.e8.	4.5	52
34	Responses of innate immune cells to group A Streptococcus. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 140.	1.8	44
35	Non-methylated islands in fish genomes are GC-poor. <i>Nucleic Acids Research</i> , 1991, 19, 1469-1474.	6.5	43
36	Innate Immune Response to <i>Streptococcus pyogenes</i> Depends on the Combined Activation of TLR13 and TLR2. <i>PLoS ONE</i> , 2015, 10, e0119727.	1.1	37

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37	Tristetraprolin Limits Inflammatory Cytokine Production in Tumor-Associated Macrophages in an mRNA Decay-Independent Manner. <i>Cancer Research</i> , 2015, 75, 3054-3064.	0.4	35
38	Molecular mechanisms of the anti-inflammatory functions of interferons. <i>Immunobiology</i> , 2008, 212, 895-901.	0.8	32
39	RPG1 : an essential gene of <i>Saccharomyces cerevisiae</i> encoding a 110-kDa protein required for passage through the G 1 phase. <i>Current Genetics</i> , 1998, 33, 100-109.	0.8	29
40	The RNA-binding protein tristetraprolin schedules apoptosis of pathogen-engaged neutrophils during bacterial infection. <i>Journal of Clinical Investigation</i> , 2017, 127, 2051-2065.	3.9	28
41	Tyrosine Kinase 2 Controls IL-1 β Production at the Translational Level. <i>Journal of Immunology</i> , 2010, 185, 3544-3553.	0.4	24
42	The Innate Immune Response Elicited by Group A <i>Streptococcus</i> Is Highly Variable among Clinical Isolates and Correlates with the emm Type. <i>PLoS ONE</i> , 2014, 9, e101464.	1.1	24
43	Posttranscriptional regulation of cytokine expression. <i>Cytokine</i> , 2017, 89, 21-26.	1.4	24
44	Rpg1p, the subunit of the <i>Saccharomyces cerevisiae</i> eIF3 core complex, is a microtubule-interacting protein. <i>Cytoskeleton</i> , 2000, 45, 235-246.	4.4	22
45	Transcriptome analysis reveals a major impact of JAK protein tyrosine kinase 2 (Tyk2) on the expression of interferon-responsive and metabolic genes. <i>BMC Genomics</i> , 2010, 11, 199.	1.2	19
46	Context-Dependent IL-1 mRNA-Destabilization by TTP Prevents Dysregulation of Immune Homeostasis Under Steady State Conditions. <i>Frontiers in Immunology</i> , 2020, 11, 1398.	2.2	19
47	Promoter Occupancy of STAT1 in Interferon Responses Is Regulated by Processive Transcription. <i>Molecular and Cellular Biology</i> , 2015, 35, 716-727.	1.1	15
48	Nonredundancy of IL-1 α and IL-1 β is defined by distinct regulation of tissues orchestrating resistance versus tolerance to infection. <i>Science Advances</i> , 2022, 8, eabj7293.	4.7	15
49	The C-Terminal Transactivation Domain of STAT1 Has a Gene-Specific Role in Transactivation and Cofactor Recruitment. <i>Frontiers in Immunology</i> , 2018, 9, 2879.	2.2	14
50	Crucial Role of Nucleic Acid Sensing via Endosomal Toll-Like Receptors for the Defense of <i>Streptococcus pyogenes</i> in vitro and in vivo. <i>Frontiers in Immunology</i> , 2019, 10, 198.	2.2	14
51	Competition of <i>Candida glabrata</i> against <i>Lactobacillus</i> is Hog1 dependent. <i>Cellular Microbiology</i> , 2018, 20, e12943.	1.1	13
52	Conceptual Advances in Control of Inflammation by the RNA-Binding Protein Tristetraprolin. <i>Frontiers in Immunology</i> , 2021, 12, 751313.	2.2	13
53	The Influence of Programmed Cell Death in Myeloid Cells on Host Resilience to Infection with <i>Legionella pneumophila</i> or <i>Streptococcus pyogenes</i> . <i>PLoS Pathogens</i> , 2016, 12, e1006032.	2.1	12
54	Dysregulated NADPH Oxidase Promotes Bone Damage in Murine Model of Autoinflammatory Osteomyelitis. <i>Journal of Immunology</i> , 2020, 204, 1607-1620.	0.4	6

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55	The ubiquitin ligase HOIL-1L regulates immune responses by interacting with linear ubiquitin chains. <i>Science</i> , 2021, 24, 103241.	1.9	3
56	180 Recruitment of Stat1 to chromatin is required for interferon-induced serine phosphorylation of Stat1 transactivation domain. <i>Cytokine</i> , 2008, 43, 282.	1.4	1
57	Regulation of STATs by Posttranslational Modifications. , 2003, , 207-222.		1
58	Unexpected role of STAT1 serine727 for NK cell function. <i>BMC Pharmacology</i> , 2009, 9, .	0.4	0
59	Type I Interferons in Immune Defense Against Streptococci. , 2014, , 43-59.		0