Pavel Kovarik

List of Publications by Year
in descending order

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60	5,741	94433	138484
papers	citations	37 h-index	58 g-index

64	64	64	10098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Serine phosphorylation of STATs. Oncogene, 2000, 19, 2628-2637.	5.9	790
2	Partial Impairment of Cytokine Responses in Tyk2-Deficient Mice. Immunity, 2000, 13, 549-560.	14.3	375
3	GAS Elements: A Few Nucleotides with a Major Impact on Cytokine-Induced Gene Expression. Journal of Interferon and Cytokine Research, 1997, 17, 121-134.	1.2	373
4	Central role for type I interferons and Tyk2 in lipopolysaccharide-induced endotoxin shock. Nature Immunology, 2003, 4, 471-477.	14.5	337
5	Stress-induced phosphorylation of STAT1 at Ser727 requires p38 mitogen-activated protein kinase whereas IFN-gamma uses a different signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13956-13961.	7.1	253
6	Stat1 combines signals derived from IFN-gamma and LPS receptors during macrophage activation. EMBO Journal, 1998, 17, 3660-3668.	7.8	220
7	CDK8 Kinase Phosphorylates Transcription Factor STAT1 to Selectively Regulate the Interferon Response. Immunity, 2013, 38, 250-262.	14.3	220
8	IFNs and STATs in innate immunity to microorganisms. Journal of Clinical Investigation, 2002, 109, 1271-1277.	8.2	172
9	Specificity of signaling by STAT1 depends on SH2 and C-terminal domains that regulate Ser727 phosphorylation, differentially affecting specific target gene expression. EMBO Journal, 2001, 20, 91-100.	7.8	171
10	ARESite: a database for the comprehensive investigation of AU-rich elements. Nucleic Acids Research, 2011, 39, D66-D69.	14.5	140
11	Interferons limit inflammatory responses by induction of tristetraprolin. Blood, 2006, 107, 4790-4797.	1.4	136
12	Autophagy supportsCandida glabratasurvival during phagocytosis. Cellular Microbiology, 2010, 12, 199-216.	2.1	132
13	Protein tyrosine kinase Pyk2 mediates the Jak-dependent activation of MAPK and Stat1 in IFN-Î³, but not IFN-Î±, signaling. EMBO Journal, 1999, 18, 2480-2488.	7.8	131
14	Recruitment of Stat1 to chromatin is required for interferon-induced serine phosphorylation of Stat1 transactivation domain. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8944-8949.	7.1	130
15	Nine-amino-acid transactivation domain: Establishment and prediction utilities. Genomics, 2007, 89, 756-768.	2.9	126
16	p38 MAPK enhances STAT1-dependent transcription independently of Ser-727 phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12859-12864.	7.1	119
17	IFNs and STATs in innate immunity to microorganisms. Journal of Clinical Investigation, 2002, 109, 1271-1277.	8.2	112
18	Type I Interferon Production Induced by Streptococcus pyogenes-Derived Nucleic Acids Is Required for Host Protection. PLoS Pathogens, 2011, 7, e1001345.	4.7	110

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19	Tristetraprolinâ€driven regulatory circuit controls quality and timing of mRNA decay in inflammation. Molecular Systems Biology, 2011, 7, 560.	7.2	110
20	Tristetraprolin Is Required for Full Anti-Inflammatory Response of Murine Macrophages to IL-10. Journal of Immunology, 2009, 183, 1197-1206.	0.8	96
21	Transcription factor activity of STAT proteins: structural requirements and regulation by phosphorylation and interacting proteins. Cellular and Molecular Life Sciences, 1999, 55, 1535-1546.	5.4	95
22	Type I Interferons in Bacterial Infections: A Balancing Act. Frontiers in Immunology, 2016, 7, 652.	4.8	90
23	Type I Interferon Signaling Prevents IL-1Î²-Driven Lethal Systemic Hyperinflammation during Invasive Bacterial Infection of Soft Tissue. Cell Host and Microbe, 2016, 19, 375-387.	11.0	88
24	Group A Streptococcus Activates Type I Interferon Production and MyD88-dependent Signaling without Involvement of TLR2, TLR4, and TLR9. Journal of Biological Chemistry, 2008, 283, 19879-19887.	3.4	80
25	ARElite2: an enhanced database for the comprehensive investigation of AU/GU/U-rich elements. Nucleic Acids Research, 2016, 44, D90-D95.	14.5	77
26	HuR Small-Molecule Inhibitor Elicits Differential Effects in Adenomatosis Polyposis and Colorectal Carcinogenesis. Cancer Research, 2017, 77, 2424-2438.	0.9	75
27	Regulation ofCandida glabrataoxidative stress resistance is adapted to host environment. FEBS Letters, 2011, 585, 319-327.	2.8	74
28	Tristetraprolin binding site atlas in the macrophage transcriptome reveals a switch for inflammationÂresolution. Molecular Systems Biology, 2016, 12, 868.	7.2	74
29	Salmonella typhimuriumand Lipopolysaccharide Stimulate Extracellularly Regulated Kinase Activation in Macrophages by a Mechanism Involving Phosphatidylinositol 3-Kinase and Phospholipase D as Novel Intermediates. Infection and Immunity, 1999, 67, 1011-1017.	2.2	66
30	The Bicarbonate Transporter SLC4A7 Plays a Key Role in Macrophage Phagosome Acidification. Cell Host and Microbe, 2018, 23, 766-774.e5.	11.0	65
31	Phosphorylation of the Stat1 transactivating domain is required for the response to type I interferons. EMBO Reports, 2003, 4, 368-373.	4.5	61
32	Natural killer cell-intrinsic type I IFN signaling controls Klebsiella pneumoniae growth during lung infection. PLoS Pathogens, 2017, 13, e1006696.	4.7	54
33	Transcriptional Responses to IFN-Î³ Require Mediator Kinase-Dependent Pause Release and Mechanistically Distinct CDK8 and CDK19 Functions. Molecular Cell, 2019, 76, 485-499.e8.	9.7	52
34	IFNs and STATs in innate immunity to microorganisms. Journal of Clinical Investigation, 2002, 109, 1271-1277.	8.2	49
35	Responses of innate immune cells to group A Streptococcus. Frontiers in Cellular and Infection Microbiology, 2014, 4, 140.	3.9	44
36	Non-methylated islands in fish genomes are GC-poor. Nucleic Acids Research, 1991, 19, 1469-1474.	14.5	43

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37	Innate Immune Response to Streptococcus pyogenes Depends on the Combined Activation of TLR13 and TLR2. PLoS ONE, 2015, 10, e0119727.	2.5	37
38	Tristetraprolin Limits Inflammatory Cytokine Production in Tumor-Associated Macrophages in an mRNA Decayâ€“Independent Manner. Cancer Research, 2015, 75, 3054-3064.	0.9	35
39	Molecular mechanisms of the anti-inflammatory functions of interferons. Immunobiology, 2008, 212, 895-901.	1.9	32
40	RPG1 : an essential gene of Saccharomyces cerevisiae encoding a 110-kDa protein required for passage through the G 1 phase. Current Genetics, 1998, 33, 100-109.	1.7	29
41	The RNA-binding protein tristetraprolin schedules apoptosis of pathogen-engaged neutrophils during bacterial infection. Journal of Clinical Investigation, 2017, 127, 2051-2065.	8.2	28
42	Tyrosine Kinase 2 Controls IL-1Î² Production at the Translational Level. Journal of Immunology, 2010, 185, 3544-3553.	0.8	24
43	The Innate Immune Response Elicited by Group A Streptococcus Is Highly Variable among Clinical Isolates and Correlates with the emm Type. PLoS ONE, 2014, 9, e101464.	2.5	24
44	Posttranscriptional regulation of cytokine expression. Cytokine, 2017, 89, 21-26.	3.2	24
45	Rpg1p, the subunit of theSaccharomyces cerevisiae eIF3 core complex, is a microtubule-interacting protein. Cytoskeleton, 2000, 45, 235-246.	4.4	22
46	Transcriptome analysis reveals a major impact of JAK protein tyrosine kinase 2 (Tyk2) on the expression of interferon-responsive and metabolic genes. BMC Genomics, 2010, 11, 199.	2.8	19
47	Context-Dependent IL-1 mRNA-Destabilization by TTP Prevents Dysregulation of Immune Homeostasis Under Steady State Conditions. Frontiers in Immunology, 2020, 11, 1398.	4.8	19
48	Promoter Occupancy of STAT1 in Interferon Responses Is Regulated by Processive Transcription. Molecular and Cellular Biology, 2015, 35, 716-727.	2.3	15
49	Nonredundancy of IL-1Î± and IL-1Î² is defined by distinct regulation of tissues orchestrating resistance versus tolerance to infection. Science Advances, 2022, 8, eabj7293.	10.3	15
50	The C-Terminal Transactivation Domain of STAT1 Has a Gene-Specific Role in Transactivation and Cofactor Recruitment. Frontiers in Immunology, 2018, 9, 2879.	4.8	14
51	Crucial Role of Nucleic Acid Sensing via Endosomal Toll-Like Receptors for the Defense of Streptococcus pyogenes in vitro and in vivo. Frontiers in Immunology, 2019, 10, 198.	4.8	14
52	Competition ofCandida glabrataagainstLactobacillusis Hog1 dependent. Cellular Microbiology, 2018, 20, e12943.	2.1	13
53	Conceptual Advances in Control of Inflammation by the RNA-Binding Protein Tristetraprolin. Frontiers in Immunology, 2021, 12, 751313.	4.8	13
54	The Influence of Programmed Cell Death in Myeloid Cells on Host Resilience to Infection with Legionella pneumophila or Streptococcus pyogenes. PLoS Pathogens, 2016, 12, e1006032.	4.7	12

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55	Dysregulated NADPH Oxidase Promotes Bone Damage in Murine Model of Autoinflammatory Osteomyelitis. Journal of Immunology, 2020, 204, 1607-1620.	0.8	6
56	The ubiquitin ligase HOIL-1L regulates immune responses by interacting with linear ubiquitin chains. IScience, 2021, 24, 103241.	4.1	3
57	180 Recruitment of Stat1 to chromatin is required for interferon-induced serine phosphorylation of Stat1 transactivation domain. Cytokine, 2008, 43, 282.	3.2	1
58	Regulation of STATs by Posttranslational Modifications. , 2003, , 207-222.		1
59	Unexpected role of STAT1 serine727 for NK cell function. BMC Pharmacology, 2009, 9, .	0.4	0
60	Type I Interferons in Immune Defense Against Streptococci. , 2014, , 43-59.		0