Thomas Decker

List of Publications by Citations

97 papers	8,927 citations	45 h-index	94 g-index
103 ext. papers	10,427 ext. citations	9.7 avg, IF	5.83 L-index

#	Paper	IF	Citations
97	JAK-STAT signaling: from interferons to cytokines. *Journal of Biological Chemistry*, **2007**, 282, 20059-63	5.4	853
96	Serine phosphorylation of STATs. *Oncogene*, **2000**, 19, 2628-37	9.2	714
95	Type I interferon inhibits interleukin-1 production and inflammasome activation. *Immunity*, **2011**, 34, 213-23	32.3	651
94	The yin and yang of type I interferon activity in bacterial infection. *Nature Reviews Immunology*, **2005**, 5, 675-87	36.5	365
93	Partial impairment of cytokine responses in Tyk2-deficient mice. *Immunity*, **2000**, 13, 549-60	32.3	339
92	GAS elements: a few nucleotides with a major impact on cytokine-induced gene expression. *Journal of Interferon and Cytokine Research*, **1997**, 17, 121-34	3.5	318
91	Central role for type I interferons and Tyk2 in lipopolysaccharide-induced endotoxin shock. *Nature Immunology*, **2003**, 4, 471-7	19.1	304
90	Tracking heavy water (D2O) incorporation for identifying and sorting active microbial cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E194-203	11.5	244
89	Negative and positive regulation of gene expression by mouse histone deacetylase 1. *Molecular and Cellular Biology*, **2006**, 26, 7913-28	4.8	219
88	The DEAD-box helicase DDX3X is a critical component of the TANK-binding kinase 1-dependent innate immune response. *EMBO Journal*, **2008**, 27, 2135-46	13	210
87	Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. *ISME Journal*, **2012**, 6, 2091-106	11.9	208
86	Phosphorylation of the Stat1 transactivation domain is required for full-fledged IFN-gamma-dependent innate immunity. *Immunity*, **2003**, 19, 793-802	32.3	196
85	Role of tissue protection in lethal respiratory viral-bacterial coinfection. *Science*, **2013**, 340, 1230-4	33.3	191
84	Listeria monocytogenes induces IFN□expression through an IFI16-, cGAS- and STING-dependent pathway. *EMBO Journal*, **2014**, 33, 1654-66	13	173
83	IFN regulatory factor 3-dependent induction of type I IFNs by intracellular bacteria is mediated by a TLR- and Nod2-independent mechanism. *Journal of Immunology*, **2004**, 173, 7416-25	5.3	171
82	Canonical and Non-Canonical Aspects of JAK-STAT Signaling: Lessons from Interferons for Cytokine Responses. *Frontiers in Immunology*, **2017**, 8, 29	8.4	164
81	IFNs and STATs in innate immunity to microorganisms. *Journal of Clinical Investigation*, **2002**, 109, 1271-1277	15.9	156

80	Host-compound foraging by intestinal microbiota revealed by single-cell stable isotope probing. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4720-5	11.5	147
79	The regulation of inflammation by interferons and their STATs. *Jak-stat*, **2013**, 2, e23820		144
78	Production of type I IFN sensitizes macrophages to cell death induced by Listeria monocytogenes. *Journal of Immunology*, **2002**, 169, 6522-9	5.3	136
77	Protein tyrosine kinase Pyk2 mediates the Jak-dependent activation of MAPK and Stat1 in IFN-gamma, but not IFN-alpha, signaling. *EMBO Journal*, **1999**, 18, 2480-8	13	124
76	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. *ISME Journal*, **2014**, 8, 1101-14	11.9	121
75	Nonconventional initiation complex assembly by STAT and NF-kappaB transcription factors regulates nitric oxide synthase expression. *Immunity*, **2010**, 33, 25-34	32.3	114
74	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, 12859-64	11.5	103
73	Sustained generation of nitric oxide and control of mycobacterial infection requires argininosuccinate synthase 1. *Cell Host and Microbe*, **2012**, 12, 313-23	23.4	102
72	Characterization of the interferon-producing cell in mice infected with Listeria monocytogenes. *PLoS Pathogens*, **2009**, 5, e1000355	7.6	90
71	IFNs and STATs in innate immunity to microorganisms. *Journal of Clinical Investigation*, **2002**, 109, 1271-7	15.9	89
70	Conventional dendritic cells mount a type I IFN response against Candida spp. requiring novel phagosomal TLR7-mediated IFN-□signaling. *Journal of Immunology*, **2011**, 186, 3104-12	5.3	88
69	STAT1 plays a role in TLR signal transduction and inflammatory responses. *Immunology and Cell Biology*, **2014**, 92, 761-9	5	86
68	Distinct modes of action applied by transcription factors STAT1 and IRF1 to initiate transcription of the IFN-gamma-inducible gbp2 gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 2849-54	11.5	86
67	Heme drives hemolysis-induced susceptibility to infection via disruption of phagocyte functions. *Nature Immunology*, **2016**, 17, 1361-1372	19.1	82
66	CDK8-mediated STAT1-S727 phosphorylation restrains NK cell cytotoxicity and tumor surveillance. *Cell Reports*, **2013**, 4, 437-44	10.6	82
65	Listeria monocytogenes modulates macrophage cytokine responses through STAT serine phosphorylation and the induction of suppressor of cytokine signaling 3. *Journal of Immunology*, **2001**, 166, 466-72	5.3	82
64	Unexpected role of STAT1 serine727 for NK cell function. *BMC Pharmacology*, **2009**, 9, A29		78
63	Regulatory Networks Involving STATs, IRFs, and NFB in Inflammation. *Frontiers in Immunology*, **2018**, 9, 2542	8.4	70

62	Nod1 and Nod2 induce CCL5/RANTES through the NF-kappaB pathway. *European Journal of Immunology*, **2007**, 37, 2499-508	6.1	68
61	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. *Frontiers in Microbiology*, **2015**, 6, 1408	5.7	67
60	A molecular switch from STAT2-IRF9 to ISGF3 underlies interferon-induced gene transcription. *Nature Communications*, **2019**, 10, 2921	17.4	60
59	Interferons direct an effective innate response to Legionella pneumophila infection. *Journal of Biological Chemistry*, **2009**, 284, 30058-66	5.4	60
58	Rational design of a microbial consortium of mucosal sugar utilizers reduces Clostridiodes difficile colonization. *Nature Communications*, **2020**, 11, 5104	17.4	57
57	STAT1-cooperative DNA binding distinguishes type 1 from type 2 interferon signaling. *Nature Immunology*, **2014**, 15, 168-76	19.1	55
56	Regulation of NO synthesis, local inflammation, and innate immunity to pathogens by BET family proteins. *Molecular and Cellular Biology*, **2014**, 34, 415-27	4.8	54
55	Intracellular bacteria engage a STING-TBK1-MVB12b pathway to enable paracrine cGAS-STING signalling. *Nature Microbiology*, **2019**, 4, 701-713	26.6	50
54	Phosphorylation of the Stat1 transactivating domain is required for the response to type I interferons. *EMBO Reports*, **2003**, 4, 368-73	6.5	48
53	Both TLR2 and TRIF contribute to interferon-β production during Listeria infection. *PLoS ONE*, **2012**, 7, e33299	3.7	46
52	Control of T helper cell differentiation through cytokine receptor inclusion in the immunological synapse. *Journal of Experimental Medicine*, **2009**, 206, 877-92	16.6	44
51	Noncanonical Effects of IRF9 in Intestinal Inflammation: More than Type I and Type III Interferons. *Molecular and Cellular Biology*, **2015**, 35, 2332-43	4.8	43
50	Conditional Stat1 ablation reveals the importance of interferon signaling for immunity to Listeria monocytogenes infection. *PLoS Pathogens*, **2012**, 8, e1002763	7.6	42
49	Differential effects of CpG DNA on IFN-beta induction and STAT1 activation in murine macrophages versus dendritic cells: alternatively activated STAT1 negatively regulates TLR signaling in macrophages. *Journal of Immunology*, **2007**, 179, 3495-503	5.3	41
48	Route of Infection Determines the Impact of Type I Interferons on Innate Immunity to Listeria monocytogenes. *PLoS ONE*, **2013**, 8, e65007	3.7	38
47	Colony-stimulating factors and interferon-gamma activate a protein related to MGF-Stat 5 to cause formation of the differentiation-induced factor in myeloid cells. *FEBS Letters*, **1995**, 360, 29-33	3.8	37
46	Putting the brakes on mammary tumorigenesis: loss of STAT1 predisposes to intraepithelial neoplasias. *Oncotarget*, **2011**, 2, 1043-54	3.3	36
45	Jak2-Stat5 interactions analyzed in yeast. *Journal of Biological Chemistry*, **1998**, 273, 12567-75	5.4	35

44	Cooperative Transcriptional Activation of Antimicrobial Genes by STAT and NF-B Pathways by Concerted Recruitment of the Mediator Complex. *Cell Reports*, **2015**, 12, 300-12	10.6	34
43	The RNA helicase DDX3X is an essential mediator of innate antimicrobial immunity. *PLoS Pathogens* , **2018**, 14, e1007397	7.6	34
42	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. *Journal of Immunology*, **2015**, 195, 5011-24	5.3	33
41	Type I interferons as mediators of immune adjuvants for T- and B cell-dependent acquired immunity. *Vaccine*, **2009**, 27 Suppl 6, G17-20	4.1	33
40	Response to interferons and antibacterial innate immunity in the absence of tyrosine-phosphorylated STAT1. *EMBO Reports*, **2016**, 17, 367-82	6.5	33
39	IFN-beta increases listeriolysin O-induced membrane permeabilization and death of macrophages. *Journal of Immunology*, **2008**, 180, 4116-23	5.3	32
38	Type I IFN are host modulators of strain-specific Listeria monocytogenes virulence. *Cellular Microbiology*, **2008**, 10, 1116-29	3.9	31
37	Cytoplasmic Listeria monocytogenes stimulates IFN-beta synthesis without requiring the adapter protein MAVS. *FEBS Letters*, **2006**, 580, 2341-2346	3.8	31
36	Dendritic cells require STAT-1 phosphorylated at its transactivating domain for the induction of peptide-specific CTL. *Journal of Immunology*, **2009**, 183, 2286-93	5.3	30
35	Novel functions of type I interferons revealed by infection studies with Listeria monocytogenes. *Immunobiology*, **2008**, 213, 889-97	3.4	29
34	Contribution of a TANK-binding kinase 1-interferon (IFN) regulatory factor 7 pathway to IFN-induced gene expression. *Molecular and Cellular Biology*, **2012**, 32, 1032-43	4.8	26
33	Stimulation of inducible nitric oxide synthase expression by beta interferon increases necrotic death of macrophages upon Listeria monocytogenes infection. *Infection and Immunity*, **2008**, 76, 1649-56	3.7	26
32	Interferon-gamma regulates expression of a novel keratin class I gene. *European Journal of Immunology*, **1992**, 22, 975-9	6.1	25
31	Twins with different personalities: STAT5B-but not STAT5A-has a key role in BCR/ABL-induced leukemia. *Leukemia*, **2019**, 33, 1583-1597	10.7	24
30	STAT1 is not dominant negative and is capable of contributing to gamma interferon-dependent innate immunity. *Molecular and Cellular Biology*, **2014**, 34, 2235-48	4.8	24
29	LipA, a tyrosine and lipid phosphatase involved in the virulence of Listeria monocytogenes. *Infection and Immunity*, **2011**, 79, 2489-98	3.7	24
28	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. *Cell Reports*, **2016** , 15, 1481-1492	10.6	24
27	Type I interferons have opposing effects during the emergence and recovery phases of colitis. *European Journal of Immunology*, **2014**, 44, 2749-60	6.1	23

26	Jaks, Stats and the immune system. *Immunobiology*, **1997**, 198, 99-111	3.4	23
25	Enhanced antiviral and antiproliferative properties of a STAT1 mutant unable to interact with the protein kinase PKR. *Journal of Biological Chemistry*, **2001**, 276, 13727-37	5.4	23
24	Different STAT Transcription Complexes Drive Early and Delayed Responses to Type I IFNs. *Journal of Immunology*, **2015**, 195, 210-216	5.3	22
23	Generation of mice with a conditional Stat1 null allele. *Transgenic Research*, **2012**, 21, 217-24	3.3	19
22	Sepsis: avoiding its deadly toll. *Journal of Clinical Investigation*, **2004**, 113, 1387-1389	15.9	17
21	Antigen receptor signal transduction: activating and inhibitory antigen receptors regulate STAT1 serine phosphorylation. *European Journal of Immunology*, **2000**, 30, 1851-60	6.1	16
20	STAT1 regulates marginal zone B cell differentiation in response to inflammation and infection with blood-borne bacteria. *Journal of Experimental Medicine*, **2016**, 213, 3025-3039	16.6	15
19	The tyrosine kinase Btk regulates the macrophage response to Listeria monocytogenes infection. *PLoS ONE*, **2013**, 8, e60476	3.7	13
18	Mycobacteria-induced granuloma necrosis depends on IRF-1. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 2069-2082	5.6	13
17	Histone deacetylases 1 and 2 restrain CD4+ cytotoxic T lymphocyte differentiation. *JCI Insight*, **2020**, 5,	9.9	13
16	Novel non-canonical role of STAT1 in Natural Killer cell cytotoxicity. *OncoImmunology*, **2016**, 5, e1186314	7.2	10
15	Infection Induces Type I Interferon Synthesis Through the cGAS-STING Pathway. *Frontiers in Immunology*, **2020**, 11, 571334	8.4	9
14	Fasting metabolism modulates the interleukin-12/interleukin-10 cytokine axis. *PLoS ONE*, **2017**, 12, e0180900	3.7	8
13	Sepsis: avoiding its deadly toll. *Journal of Clinical Investigation*, **2004**, 113, 1387-9	15.9	7
12	Serine Phosphorylation of the STAT1 Transactivation Domain Promotes Autoreactive B Cell and Systemic Autoimmunity Development. *Journal of Immunology*, **2020**, 204, 2641-2650	5.3	6
11	Interferons reshape the 3D conformation and accessibility of macrophage chromatin.. *IScience*, **2022**, 25, 103840	6.1	3
10	The C-Terminal Transactivation Domain of STAT1 Has a Gene-Specific Role in Transactivation and Cofactor Recruitment. *Frontiers in Immunology*, **2018**, 9, 2879	8.4	3
9	How Stats Interact with the Molecular Machinery of Transcriptional Activation **2012**, 65-89		2

8	The AP-1 transcription factors c-Jun and JunB are essential for CD8α conventional dendritic cell identity. *Cell Death and Differentiation*, **2021**, 28, 2404-2420	12.7	2
7	The early interferon catches the SARS-CoV-2. *Journal of Experimental Medicine*, **2021**, 218,	16.6	2
6	The Continuing Fascination with Jaks and Stats: An Introduction **2012**, 1-4		1
5	Regulation of STATs by Posttranslational Modifications **2003**, 207-222		1
4	Homeostatic and Interferon-induced gene expression represent different states of promoter-associated transcription factor ISGF3		1
3	Listeria monocytogenes infection rewires host metabolism with regulatory input from type I interferons. *PLoS Pathogens*, **2021**, 17, e1009697	7.6	1
2	The Cyclin-Dependent Kinase 8 (CDK8) Inhibitor DCA Promotes a Tolerogenic Chemical Immunophenotype in CD4 T Cells via a Novel CDK8-GATA3-FOXP3 Pathway. *Molecular and Cellular Biology*, **2021**, 41, e0008521	4.8	0
1	Pro-atherogenic actions of signal transducer and activator of transcription 1 serine 727 phosphorylation in LDL receptor deficient mice via modulation of plaque inflammation. *FASEB Journal*, **2021**, 35, e21892	0.9	0