# Thomas Decker

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 97 papers | 11,311 citations | 46918 47 h-index | 42291 92 g-index |
| 103 all docs | 103 docs citations | 103 times ranked | 17660 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | JAK-STAT Signaling: From Interferons to Cytokines. Journal of Biological Chemistry, 2007, 282, 20059-20063. | 1.6 | 1,057 |
| 2 | Type I Interferon Inhibits Interleukin-1 Production and Inflammasome Activation. Immunity, 2011, 34, 213-223. | 6.6 | 810 |
| 3 | Serine phosphorylation of STATs. Oncogene, 2000, 19, 2628-2637. | 2.6 | 790 |
| 4 | The Yin and Yang of type I interferon activity in bacterial infection. Nature Reviews Immunology, 2005, 5, 675-687. | 10.6 | 410 |
| 5 | Partial Impairment of Cytokine Responses in Tyk2-Deficient Mice. Immunity, 2000, 13, 549-560. | 6.6 | 375 |
| 6 | GAS Elements: A Few Nucleotides with a Major Impact on Cytokine-Induced Gene Expression. Journal of Interferon and Cytokine Research, 1997, 17, 121-134. | 0.5 | 373 |
| 7 | Tracking heavy water (D <sub>2</sub> O) 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. | 3.3 | 359 |
| 8 | Central role for type I interferons and Tyk2 in lipopolysaccharide-induced endotoxin shock. Nature Immunology, 2003, 4, 471-477. | 7.0 | 337 |
| 9 | Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. ISME Journal, 2012, 6, 2091-2106. | 4.4 | 291 |
| 10 | The DEAD-box helicase DDX3X is a critical component of the TANK-binding kinase 1-dependent innate immune response. EMBO Journal, 2008, 27, 2135-2146. | 3.5 | 276 |
| 11 | Canonical and Non-Canonical Aspects of JAKâ€“STAT Signaling: Lessons from Interferons for Cytokine Responses. Frontiers in Immunology, 2017, 8, 29. | 2.2 | 254 |
| 12 | Role of Tissue Protection in Lethal Respiratory Viral-Bacterial Coinfection. Science, 2013, 340, 1230-1234. | 6.0 | 243 |
| 13 | Phosphorylation of the Stat1 Transactivation Domain Is Required for Full-Fledged IFN-Î³-Dependent Innate Immunity. Immunity, 2003, 19, 793-802. | 6.6 | 239 |
| 14 | Negative and Positive Regulation of Gene Expression by Mouse Histone Deacetylase1. Molecular and Cellular Biology, 2006, 26, 7913-7928. | 1.1 | 238 |
| 15 | Listeria monocytogenes induces IFNÎ² expression through an IFI16â€, cGASâ€•and STINGâ€dependent pathway. EMBO Journal, 2014, 33, 1654-1666. | 3.5 | 232 |
| 16 | The regulation of inflammation by interferons and their STATs. Jak-stat, 2013, 2, e23820. | 2.2 | 215 |
| 17 | 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, 4720-4725. | 3.3 | 210 |
| 18 | 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, 7416-7425. | 0.4 | 195 |

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|---|---|---|---|
| 19 | Rational design of a microbial consortium of mucosal sugar utilizers reduces Clostridiodes difficile colonization. Nature Communications, 2020, 11, 5104. | 5.8 | 177 |
| 20 | Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. ISME Journal, 2014, 8, 1101-1114. | 4.4 | 174 |
| 21 | IFNs and STATs in innate immunity to microorganisms. Journal of Clinical Investigation, 2002, 109, 1271-1277. | 3.9 | 172 |
| 22 | Sustained Generation of Nitric Oxide and Control of Mycobacterial Infection Requires Argininosuccinate Synthase 1. Cell Host and Microbe, 2012, 12, 313-323. | 5.1 | 154 |
| 23 | Regulatory Networks Involving STATs, IRFs, and NFÎºB in Inflammation. Frontiers in Immunology, 2018, 9, 2542. | 2.2 | 153 |
| 24 | Nonconventional Initiation Complex Assembly by STAT and NF-Îº B Transcription Factors Regulates Nitric Oxide Synthase Expression. Immunity, 2010, 33, 25-34. | 6.6 | 151 |
| 25 | Production of Type I IFN Sensitizes Macrophages to Cell Death Induced byListeria monocytogenes. Journal of Immunology, 2002, 169, 6522-6529. | 0.4 | 144 |
| 26 | A molecular switch from STAT2-IRF9 to ISGF3 underlies interferon-induced gene transcription. Nature Communications, 2019, 10, 2921. | 5.8 | 137 |
| 27 | 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. | 3.5 | 131 |
| 28 | 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. | 3.3 | 119 |
| 29 | Heme drives hemolysis-induced susceptibility to infection via disruption of phagocyte functions. Nature Immunology, 2016, 17, 1361-1372. | 7.0 | 114 |
| 30 | IFNs and STATs in innate immunity to microorganisms. Journal of Clinical Investigation, 2002, 109, 1271-1277. | 3.9 | 112 |
| 31 | Distinct modes of action applied by transcription factors STAT1 and IRF1 to initiate transcription of the IFN-Â-inducible gbp2 gene. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2849-2854. | 3.3 | 110 |
| 32 | STAT1 plays a role in TLR signal transduction and inflammatory responses. Immunology and Cell Biology, 2014, 92, 761-769. | 1.0 | 106 |
| 33 | Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. Frontiers in Microbiology, 2015, 6, 1408. | 1.5 | 106 |
| 34 | Conventional Dendritic Cells Mount a Type I IFN Response againstCandidaspp. Requiring Novel Phagosomal TLR7-Mediated IFN-Î² Signaling. Journal of Immunology, 2011, 186, 3104-3112. | 0.4 | 104 |
| 35 | CDK8-Mediated STAT1-S727 Phosphorylation Restrains NK Cell Cytotoxicity and Tumor Surveillance. Cell Reports, 2013, 4, 437-444. | 2.9 | 104 |
| 36 | Intracellular bacteria engage a STINGâ€“TBK1â€“MVB12b pathway to enable paracrine cGASâ€“STING signalling. Nature Microbiology, 2019, 4, 701-713. | 5.9 | 100 |

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|---|---|---|---|
| 37 | Characterization of the Interferon-Producing Cell in Mice Infected with Listeria monocytogenes. PLoS Pathogens, 2009, 5, e1000355. | 2.1 | 94 |
| 38 | Listeria monocytogenesModulates Macrophage Cytokine Responses Through STAT Serine Phosphorylation and the Induction of Suppressor of Cytokine Signaling 3. Journal of Immunology, 2001, 166, 466-472. | 0.4 | 91 |
| 39 | Nod1 and Nod2 induce CCL5/RANTES through the NFâ€ÎºB pathway. European Journal of Immunology, 2007, 37, 2499-2508. | 1.6 | 75 |
| 40 | STAT1-cooperative DNA binding distinguishes type 1 from type 2 interferon signaling. Nature Immunology, 2014, 15, 168-176. | 7.0 | 75 |
| 41 | Interferons Direct an Effective Innate Response to Legionella pneumophila Infection. Journal of Biological Chemistry, 2009, 284, 30058-30066. | 1.6 | 70 |
| 42 | The RNA helicase DDX3X is an essential mediator of innate antimicrobial immunity. PLoS Pathogens, 2018, 14, e1007397. | 2.1 | 65 |
| 43 | Phosphorylation of the Stat1 transactivating domain is required for the response to type I interferons. EMBO Reports, 2003, 4, 368-373. | 2.0 | 61 |
| 44 | Regulation of NO Synthesis, Local Inflammation, and Innate Immunity to Pathogens by BET Family Proteins. Molecular and Cellular Biology, 2014, 34, 415-427. | 1.1 | 61 |
| 45 | Noncanonical Effects of IRF9 in Intestinal Inflammation: More than Type I and Type III Interferons. Molecular and Cellular Biology, 2015, 35, 2332-2343. | 1.1 | 61 |
| 46 | Cooperative Transcriptional Activation of Antimicrobial Genes by STAT and NF-ÎºB Pathways by Concerted Recruitment of the Mediator Complex. Cell Reports, 2015, 12, 300-312. | 2.9 | 58 |
| 47 | Both TLR2 and TRIF Contribute to Interferon-Î² Production during Listeria Infection. PLoS ONE, 2012, 7, e33299. | 1.1 | 57 |
| 48 | Control of T helper cell differentiation through cytokine receptor inclusion in the immunological synapse. Journal of Experimental Medicine, 2009, 206, 877-892. | 4.2 | 50 |
| 49 | Response to interferons and antibacterial innate immunity in the absence of tyrosineâ€phosphorylated <scp>STAT</scp> 1. EMBO Reports, 2016, 17, 367-382. | 2.0 | 50 |
| 50 | Conditional Stat1 Ablation Reveals the Importance of Interferon Signaling for Immunity to Listeria monocytogenes Infection. PLoS Pathogens, 2012, 8, e1002763. | 2.1 | 49 |
| 51 | Jak2-Stat5 Interactions Analyzed in Yeast. Journal of Biological Chemistry, 1998, 273, 12567-12575. | 1.6 | 46 |
| 52 | The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. Cell Reports, 2016, 15, 1481-1492. | 2.9 | 46 |
| 53 | Differential Effects of CpG DNA on IFN-Î² Induction and STAT1 Activation in Murine Macrophages versus Dendritic Cells: Alternatively Activated STAT1 Negatively Regulates TLR Signaling in Macrophages. Journal of Immunology, 2007, 179, 3495-3503. | 0.4 | 44 |
| 54 | Colony-stimulating factors and interferon-Î³ 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. | 1.3 | 42 |

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|---|---|---|---|
| 55 | Route of Infection Determines the Impact of Type I Interferons on Innate Immunity to Listeria monocytogenes. PLoS ONE, 2013, 8, e65007. | 1.1 | 42 |
| 56 | Type I interferons as mediators of immune adjuvants for T- and B cell-dependent acquired immunity. Vaccine, 2009, 27, G17-G20. | 1.7 | 40 |
| 57 | Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. Journal of Immunology, 2015, 195, 5011-5024. | 0.4 | 40 |
| 58 | Twins with different personalities: STAT5Bâ€”but not STAT5Aâ€”has a key role in BCR/ABL-induced leukemia. Leukemia, 2019, 33, 1583-1597. | 3.3 | 40 |
| 59 | Putting the brakes on mammary tumorigenesis: Loss of STAT1 predisposes to intraepithelial neoplasias. Oncotarget, 2011, 2, 1043-1054. | 0.8 | 40 |
| 60 | Type I interferons have opposing effects during the emergence and recovery phases of colitis. European Journal of Immunology, 2014, 44, 2749-2760. | 1.6 | 39 |
| 61 | Contribution of a TANK-Binding Kinase 1-Interferon (IFN) Regulatory Factor 7 Pathway to IFN-Â-Induced Gene Expression. Molecular and Cellular Biology, 2012, 32, 1032-1043. | 1.1 | 37 |
| 62 | CytoplasmicListeria monocytogenesstimulates IFN-Î² synthesis without requiring the adapter protein MAVS. FEBS Letters, 2006, 580, 2341-2346. | 1.3 | 36 |
| 63 | IFN-Î² Increases Listeriolysin O-Induced Membrane Permeabilization and Death of Macrophages. Journal of Immunology, 2008, 180, 4116-4123. | 0.4 | 35 |
| 64 | Type I IFN are host modulators of strain-specific Listeria monocytogenes virulence. Cellular Microbiology, 2008, 10, 1116-1129. | 1.1 | 34 |
| 65 | STAT1Î² Is Not Dominant Negative and Is Capable of Contributing to Gamma Interferon-Dependent Innate Immunity. Molecular and Cellular Biology, 2014, 34, 2235-2248. | 1.1 | 34 |
| 66 | Dendritic Cells Require STAT-1 Phosphorylated at Its Transactivating Domain for the Induction of Peptide-Specific CTL. Journal of Immunology, 2009, 183, 2286-2293. | 0.4 | 31 |
| 67 | LipA, a Tyrosine and Lipid Phosphatase Involved in the Virulence of Listeria monocytogenes. Infection and Immunity, 2011, 79, 2489-2498. | 1.0 | 31 |
| 68 | Interferon-Î³ regulates expression of a novel keratin classe I gene. European Journal of Immunology, 1992, 22, 975-979. | 1.6 | 30 |
| 69 | Novel functions of type I interferons revealed by infection studies with Listeria monocytogenes. Immunobiology, 2008, 213, 889-897. | 0.8 | 30 |
| 70 | Stimulation of Inducible Nitric Oxide Synthase Expression by Beta Interferon Increases Necrotic Death of Macrophages uponListeria monocytogenesInfection. Infection and Immunity, 2008, 76, 1649-1656. | 1.0 | 30 |
| 71 | Different STAT Transcription Complexes Drive Early and Delayed Responses to Type I IFNs. Journal of Immunology, 2015, 195, 210-216. | 0.4 | 30 |
| 72 | Jaks, Stats and the Immune System. Immunobiology, 1997, 198, 99-111. | 0.8 | 27 |

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|---|---|---|---|
| 73 | Generation of mice with a conditional Stat1 null allele. Transgenic Research, 2012, 21, 217-224. | 1.3 | 26 |
| 74 | Enhanced Antiviral and Antiproliferative Properties of a STAT1 Mutant Unable to Interact with the Protein Kinase PKR. Journal of Biological Chemistry, 2001, 276, 13727-13737. | 1.6 | 25 |
| 75 | 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. | 4.2 | 23 |
| 76 | Histone deacetylases 1 and 2 restrain CD4+ cytotoxic T lymphocyte differentiation. JCI Insight, 2020, 5, . | 2.3 | 23 |
| 77 | Cutibacterium acnes Infection Induces Type I Interferon Synthesis Through the cGAS-STING Pathway. Frontiers in Immunology, 2020, 11, 571334. | 2.2 | 23 |
| 78 | Antigen receptor signal transduction: activating and inhibitory antigen receptors regulate STAT1 serine phosphorylation. European Journal of Immunology, 2000, 30, 1851-1860. | 1.6 | 18 |
| 79 | The Tyrosine Kinase Btk Regulates the Macrophage Response to Listeria monocytogenes Infection. PLoS ONE, 2013, 8, e60476. | 1.1 | 18 |
| 80 | The AP-1 transcription factors c-Jun and JunB are essential for CD8Î± conventional dendritic cell identity. Cell Death and Differentiation, 2021, 28, 2404-2420. | 5.0 | 18 |
| 81 | Sepsis: avoiding its deadly toll. Journal of Clinical Investigation, 2004, 113, 1387-1389. | 3.9 | 18 |
| 82 | Interferons reshape the 3D conformation and accessibility of macrophage chromatin. IScience, 2022, 25, 103840. | 1.9 | 18 |
| 83 | Mycobacteriaâ€induced granuloma necrosis depends on IRFâ€1. Journal of Cellular and Molecular Medicine, 2009, 13, 2069-2082. | 1.6 | 16 |
| 84 | The C-Terminal Transactivation Domain of STAT1 Has a Gene-Specific Role in Transactivation and Cofactor Recruitment. Frontiers in Immunology, 2018, 9, 2879. | 2.2 | 14 |
| 85 | Novel non-canonical role of STAT1 in Natural Killer cell cytotoxicity. OncoImmunology, 2016, 5, e1186314. | 2.1 | 13 |
| 86 | Serine Phosphorylation of the STAT1 Transactivation Domain Promotes Autoreactive B Cell and Systemic Autoimmunity Development. Journal of Immunology, 2020, 204, 2641-2650. | 0.4 | 13 |
| 87 | Sepsis: avoiding its deadly toll. Journal of Clinical Investigation, 2004, 113, 1387-1389. | 3.9 | 13 |
| 88 | Fasting metabolism modulates the interleukin-12/interleukin-10 cytokine axis. PLoS ONE, 2017, 12, e0180900. | 1.1 | 12 |
| 89 | The early interferon catches the SARS-CoV-2. Journal of Experimental Medicine, 2021, 218, . | 4.2 | 8 |
| 90 | Proâ€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. | 0.2 | 6 |

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| 91 | How Stats Interact with the Molecular Machinery of Transcriptional Activation. , 2012, , 65-89. | | 3 |
| 92 | Listeria monocytogenes infection rewires host metabolism with regulatory input from type I interferons. PLoS Pathogens, 2021, 17, e1009697. | 2.1 | 3 |
| 93 | The Cyclin-Dependent Kinase 8 (CDK8) Inhibitor DCA Promotes a Tolerogenic Chemical Immunophenotype in CD4<sup>+</sup> T Cells via a Novel CDK8-GATA3-FOXP3 Pathway. Molecular and Cellular Biology, 2021, 41, e0008521. | 1.1 | 3 |
| 94 | Regulation of STATs by Posttranslational Modifications. , 2003, , 207-222. | | 1 |
| 95 | Novel paradigms in vaccine development: from small pox eradication to therapeutic vaccines. Biological Chemistry, 2008, 389, 455-456. | 1.2 | 0 |
| 96 | Unexpected role of STAT1 serine727 for NK cell function. BMC Pharmacology, 2009, 9, . | 0.4 | 0 |
| 97 | Editorial. Vaccine, 2012, 30, 4299-4300. | 1.7 | 0 |