

Birgit Strobl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/342822/publications.pdf>

Version: 2024-02-01

98
papers

4,816
citations

94269

37
h-index

106150

65
g-index

107
all docs

107
docs citations

107
times ranked

9048
citing authors

#	ARTICLE	IF	CITATIONS
1	Oncogenic TYK2^{P760L} kinase is effectively targeted by combinatorial TYK2, mTOR and CDK4/6 kinase blockade. <i>Haematologica</i> , 2022, , .	1.7	1
2	Tyrosine Kinase 2 Signalling Drives Pathogenic T cells in Colitis. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 617-630.	0.6	11
3	TYK2 licenses non-canonical inflammasome activation during endotoxemia. <i>Cell Death and Differentiation</i> , 2021, 28, 748-763.	5.0	16
4	Lipocalin 2 modulates dendritic cell activity and shapes immunity to influenza in a microbiome dependent manner. <i>PLoS Pathogens</i> , 2021, 17, e1009487.	2.1	6
5	Selective Janus kinase inhibition preserves interferon-Î” mediated antiviral responses. <i>Science Immunology</i> , 2021, 6, .	5.6	16
6	Lactate and IL6 define separable paths of inflammatory metabolic adaptation. <i>Science Advances</i> , 2021, 7, .	4.7	55
7	From Science to Success? Targeting Tyrosine Kinase 2 in Spondyloarthritis and Related Chronic Inflammatory Diseases. <i>Frontiers in Genetics</i> , 2021, 12, 685280.	1.1	16
8	Sustained Post-Developmental T-Bet Expression Is Critical for the Maintenance of Type One Innate Lymphoid Cells In Vivo. <i>Frontiers in Immunology</i> , 2021, 12, 760198.	2.2	11
9	Single-cell transcriptional profiling of splenic fibroblasts reveals subset-specific innate immune signatures in homeostasis and during viral infection. <i>Communications Biology</i> , 2021, 4, 1355.	2.0	12
10	STAT1 Isoforms Differentially Regulate NK Cell Maturation and Anti-tumor Activity. <i>Frontiers in Immunology</i> , 2020, 11, 2189.	2.2	15
11	Bacterial polyphosphates interfere with the innate host defense to infection. <i>Nature Communications</i> , 2020, 11, 4035.	5.8	65
12	Type I Interferon Response Dysregulates Host Iron Homeostasis and Enhances <i>Candida glabrata</i> Infection. <i>Cell Host and Microbe</i> , 2020, 27, 454-466.e8.	5.1	41
13	TYK2 in Tumor Immunosurveillance. <i>Cancers</i> , 2020, 12, 150.	1.7	18
14	T-Bet Controls Cellularity of Intestinal Group 3 Innate Lymphoid Cells. <i>Frontiers in Immunology</i> , 2020, 11, 623324.	2.2	15
15	IDO1+ Paneth cells promote immune escape of colorectal cancer. <i>Communications Biology</i> , 2020, 3, 252.	2.0	26
16	Histone deacetylases 1 and 2 restrain CD4+ cytotoxic T lymphocyte differentiation. <i>JCI Insight</i> , 2020, 5, .	2.3	23
17	TYK2 inhibition reduces type 3 immunity and modifies disease progression in murine spondyloarthritis. <i>Journal of Clinical Investigation</i> , 2020, 130, 1863-1878.	3.9	51
18	Dependency on the TYK2/STAT1/MCL1 axis in anaplastic large cell lymphoma. <i>Leukemia</i> , 2019, 33, 696-709.	3.3	40

#	ARTICLE	IF	CITATIONS
19	TYK2: An Upstream Kinase of STATs in Cancer. <i>Cancers</i> , 2019, 11, 1728.	1.7	41
20	Twins with different personalities: STAT5B but not STAT5A has a key role in BCR/ABL-induced leukemia. <i>Leukemia</i> , 2019, 33, 1583-1597.	3.3	40
21	NK Cells Require Cell-Extrinsic and -Intrinsic TYK2 for Full Functionality in Tumor Surveillance and Antibacterial Immunity. <i>Journal of Immunology</i> , 2019, 202, 1724-1734.	0.4	13
22	Metabolic Regulators Nampt and Sirt6 Serially Participate in the Macrophage Interferon Antiviral Cascade. <i>Frontiers in Microbiology</i> , 2019, 10, 355.	1.5	19
23	Myeloid Cells Restrict MCMV and Drive Stress-Induced Extramedullary Hematopoiesis through STAT1. <i>Cell Reports</i> , 2019, 26, 2394-2406.e5.	2.9	12
24	STAT1 is a sex-specific tumor suppressor in colitis-associated colorectal cancer. <i>Molecular Oncology</i> , 2018, 12, 514-528.	2.1	29
25	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
26	738 - Inhibition of Tyrosine Kinase 2 Signaling Ameliorates T Cell Transfer Colitis. <i>Gastroenterology</i> , 2018, 154, S-153.	0.6	0
27	Aggressive B-cell lymphomas in patients with myelofibrosis receiving JAK1/2 inhibitor therapy. <i>Blood</i> , 2018, 132, 694-706.	0.6	132
28	The good and the bad faces of STAT1 in solid tumours. <i>Cytokine</i> , 2017, 89, 12-20.	1.4	191
29	Tyrosine kinase 2 – Surveillant of tumours and bona fide oncogene. <i>Cytokine</i> , 2017, 89, 209-218.	1.4	45
30	Type I interferon promotes alveolar epithelial type II cell survival during pulmonary Streptococcus pneumoniae infection and sterile lung injury in mice. <i>European Journal of Immunology</i> , 2016, 46, 2175-2186.	1.6	21
31	Kinase inactive Tyrosine kinase (Tyk2) Supports Differentiation of Brown fat Cells. <i>Endocrinology</i> , 2016, 158, en.2015-2048.	1.4	7
32	Defining the functional binding sites of interleukin 12 receptor $\beta 1$ and interleukin 23 receptor to Janus kinases. <i>Molecular Biology of the Cell</i> , 2016, 27, 2301-2316.	0.9	38
33	STAT5 Is a Key Regulator in NK Cells and Acts as a Molecular Switch from Tumor Surveillance to Tumor Promotion. <i>Cancer Discovery</i> , 2016, 6, 414-429.	7.7	124
34	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
35	ID: 77. <i>Cytokine</i> , 2015, 76, 79.	1.4	0
36	ID: 131. <i>Cytokine</i> , 2015, 76, 90.	1.4	0

#	ARTICLE	IF	CITATIONS
37	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. <i>Frontiers in Microbiology</i> , 2015, 6, 1408.	1.5	106
38	Methods to Study Tumor Surveillance Using Tumor Cell Transplantation into Genetically Engineered Mice. <i>Methods in Molecular Biology</i> , 2015, 1267, 439-456.	0.4	0
39	Noncanonical Effects of IRF9 in Intestinal Inflammation: More than Type I and Type III Interferons. <i>Molecular and Cellular Biology</i> , 2015, 35, 2332-2343.	1.1	61
40	Cooperative Transcriptional Activation of Antimicrobial Genes by STAT and NF- κ B Pathways by Concerted Recruitment of the Mediator Complex. <i>Cell Reports</i> , 2015, 12, 300-312.	2.9	58
41	Myeloid <i>STAT3</i> promotes formation of colitis-associated colorectal cancer in mice. <i>OncImmunology</i> , 2015, 4, e998529.	2.1	24
42	Intestinal Epithelial Cell Tyrosine Kinase 2 Transduces IL-22 Signals To Protect from Acute Colitis. <i>Journal of Immunology</i> , 2015, 195, 5011-5024.	0.4	40
43	In vivo tumor surveillance by NK cells requires TYK2 but not TYK2 kinase activity. <i>OncImmunology</i> , 2015, 4, e1047579.	2.1	27
44	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
45	Inducible, Dose-Adjustable and Time-Restricted Reconstitution of Stat1 Deficiency In Vivo. <i>PLoS ONE</i> , 2014, 9, e86608.	1.1	10
46	Interruption of Macrophage-Derived IL-27(p28) Production by IL-10 during Sepsis Requires STAT3 but Not SOCS3. <i>Journal of Immunology</i> , 2014, 193, 5668-5677.	0.4	42
47	Tyrosine kinase 2 promotes sepsis-associated lethality by facilitating production of interleukin-27. <i>Journal of Leukocyte Biology</i> , 2014, 96, 123-131.	1.5	22
48	Type I interferons have opposing effects during the emergence and recovery phases of colitis. <i>European Journal of Immunology</i> , 2014, 44, 2749-2760.	1.6	39
49	STAT1 δ Is Not Dominant Negative and Is Capable of Contributing to Gamma Interferon-Dependent Innate Immunity. <i>Molecular and Cellular Biology</i> , 2014, 34, 2235-2248.	1.1	34
50	Longitudinal study of murine microbiota activity and interactions with the host during acute inflammation and recovery. <i>ISME Journal</i> , 2014, 8, 1101-1114.	4.4	174
51	Host-cell sensors for Plasmodium activate innate immunity against liver-stage infection. <i>Nature Medicine</i> , 2014, 20, 47-53.	15.2	256
52	Editorial: Recovery from chemotherapy depends on STAT1 for replenishment of B lymphopoiesis. <i>Journal of Leukocyte Biology</i> , 2014, 95, 849-851.	1.5	2
53	Conditional ablation of TYK2 in immunity to viral infection and tumor surveillance. <i>Transgenic Research</i> , 2014, 23, 519-529.	1.3	16
54	Important scaffold function of the Janus kinase 2 uncovered by a novel mouse model harboring a Jak2 activation-loop mutation. <i>Blood</i> , 2014, 123, 520-529.	0.6	20

#	ARTICLE	IF	CITATIONS
55	Loss of STAT3 in murine NK cells enhances NK cell-dependent tumor surveillance. <i>Blood</i> , 2014, 124, 2370-2379.	0.6	90
56	CDK8 Kinase Phosphorylates Transcription Factor STAT1 to Selectively Regulate the Interferon Response. <i>Immunity</i> , 2013, 38, 250-262.	6.6	220
57	Lipocalin 2 deactivates macrophages and worsens pneumococcal pneumonia outcomes. <i>Journal of Clinical Investigation</i> , 2013, 123, 3363-3372.	3.9	124
58	Conditional Stat1 Ablation Reveals the Importance of Interferon Signaling for Immunity to <i>Listeria monocytogenes</i> Infection. <i>PLoS Pathogens</i> , 2012, 8, e1002763.	2.1	49
59	Conditional IFNAR1 ablation reveals distinct requirements of Type I IFN signaling for NK cell maturation and tumor surveillance. <i>OncImmunology</i> , 2012, 1, 1027-1037.	2.1	53
60	Tyk2 and Stat3 Regulate Brown Adipose Tissue Differentiation and Obesity. <i>Cell Metabolism</i> , 2012, 16, 814-824.	7.2	81
61	Multifaceted Antiviral Actions of Interferon-stimulated Gene Products. , 2012, , 387-423.		0
62	TYK2 Kinase Activity Is Required for Functional Type I Interferon Responses In Vivo. <i>PLoS ONE</i> , 2012, 7, e39141.	1.1	54
63	Phylotype-level 16S rRNA analysis reveals new bacterial indicators of health state in acute murine colitis. <i>ISME Journal</i> , 2012, 6, 2091-2106.	4.4	291
64	PS1-059 Tyrosine kinase 2 protects from chemically-induced colitis via amplification of interleukin-22 signalling. <i>Cytokine</i> , 2011, 56, 32.	1.4	0
65	PS2-084 Dissection of kinase-dependent and -independent functions of Tyk2 in immunity to infection and tumor-surveillance. <i>Cytokine</i> , 2011, 56, 86.	1.4	0
66	A comparative proteome analysis links tyrosine kinase 2 (Tyk2) to the regulation of cellular glucose and lipid metabolism in response to poly(I:C). <i>Journal of Proteomics</i> , 2011, 74, 2866-2880.	1.2	17
67	Tyrosine kinase 2 (TYK2) in cytokine signalling and host immunity. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 3224.	3.0	85
68	Cross-Talk Between Interferon- β and Hedgehog Signaling Regulates Adipogenesis. <i>Diabetes</i> , 2011, 60, 1668-1676.	0.3	37
69	Host Defense against Viral Infection Involves Interferon Mediated Down-Regulation of Sterol Biosynthesis. <i>PLoS Biology</i> , 2011, 9, e1000598.	2.6	241
70	Reversible Inhibition of Murine Cytomegalovirus Replication by Gamma Interferon (IFN- γ) in Primary Macrophages Involves a Primed Type I IFN-Signaling Subnetwork for Full Establishment of an Immediate-Early Antiviral State. <i>Journal of Virology</i> , 2011, 85, 10286-10299.	1.5	40
71	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
72	Octamer-binding factor 6 (Oct-6/Pou3f1) is induced by interferon and contributes to dsRNA-mediated transcriptional responses. <i>BMC Cell Biology</i> , 2010, 11, 61.	3.0	12

#	ARTICLE	IF	CITATIONS
73	Tyrosine Kinase 2 Controls IL-1 $\hat{2}$ Production at the Translational Level. <i>Journal of Immunology</i> , 2010, 185, 3544-3553.	0.4	24
74	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
75	Type I interferons as mediators of immune adjuvants for T- and B cell-dependent acquired immunity. <i>Vaccine</i> , 2009, 27, G17-G20.	1.7	40
76	The impact of tyrosine kinase 2 (Tyk2) on the proteome of murine macrophages and their response to lipopolysaccharide (LPS). <i>Proteomics</i> , 2008, 8, 3469-3485.	1.3	13
77	24 OCT-6 (POU3F1, TST-1, SCIP) is an interferon-inducible protein. <i>Cytokine</i> , 2008, 43, 242.	1.4	0
78	TYK2 AND SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 1 CONTRIBUTE TO INTESTINAL I/R INJURY. <i>Shock</i> , 2008, 29, 238-244.	1.0	9
79	In Vivo Target Validation: Methodology and Case Studies on the Janus Kinase Tyk2. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2007, 6, 29-45.	1.1	0
80	A time- and dose-dependent STAT1 expression system. <i>BMC Biotechnology</i> , 2006, 6, 48.	1.7	6
81	Contribution of cell culture additives to the two-dimensional protein patterns of mouse macrophages. <i>Electrophoresis</i> , 2006, 27, 1626-1629.	1.3	20
82	Studying Human Pathogens in Animal Models: Fine Tuning the Humanized Mouse. <i>Transgenic Research</i> , 2005, 14, 803-806.	1.3	12
83	Novel Functions of Tyrosine Kinase 2 in the Antiviral Defense against Murine Cytomegalovirus. <i>Journal of Immunology</i> , 2005, 175, 4000-4008.	0.4	60
84	The STAT3 isoforms $\hat{1}$ and $\hat{2}$ have unique and specific functions. <i>Nature Immunology</i> , 2004, 5, 401-409.	7.0	202
85	Recombinant viral sialate-O-acetyltransferases. <i>Glycoconjugate Journal</i> , 2003, 20, 551-561.	1.4	23
86	Of JAKs, STATs, blind watchmakers, jeeps and trains. <i>FEBS Letters</i> , 2003, 546, 1-5.	1.3	75
87	JAK/STAT Signaling: A Tale of Jeeps and Trains. , 2003, , 355-365.		0
88	Cell-type and Donor-specific Transcriptional Responses to Interferon- $\hat{1}$. <i>Journal of Biological Chemistry</i> , 2002, 277, 49428-49437.	1.6	74
89	Mutational switch of an IL-6 response to an interferon- \hat{A} -like response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8043-8047.	3.3	258
90	The Antiviral Response to Gamma Interferon. <i>Journal of Virology</i> , 2002, 76, 9060-9068.	1.5	28

#	ARTICLE	IF	CITATIONS
91	A region encompassing the FERM domain of Jak1 is necessary for binding to the cytokine receptor gp130. FEBS Letters, 2001, 505, 87-91.	1.3	43
92	Use of apathogenic vaccinia virus MVA expressing EHV-1 gC as basis of a combined recombinant MVA/DNA vaccination scheme. Vaccine, 2000, 18, 1320-1326.	1.7	15
93	Identification of a Coronavirus Hemagglutinin-Esterase with a Substrate Specificity Different from Those of Influenza C Virus and Bovine Coronavirus. Journal of Virology, 1999, 73, 3737-3743.	1.5	83
94	The Hemagglutinin-Esterase of Mouse Hepatitis Virus Strain S Is a Sialate-4- <i>O</i> -Acetylerase. Journal of Virology, 1999, 73, 4721-4727.	1.5	68
95	cDNA Cloning and Expression of Secreted Xenopus Laevis Dipeptidyl Aminopeptidase IV. FEBS Journal, 1997, 247, 107-113.	0.2	7
96	The lipocalin XLCpl1 expressed in the neural plate of <i>Xenopus laevis</i> embryos is a secreted retinaldehyde binding protein. Protein Science, 1996, 5, 1250-1260.	3.1	23
97	The Receptor-Destroying Enzyme of Influenza C Virus Is Required for Entry into Target Cells. Virology, 1993, 192, 679-682.	1.1	23
98	Macrophages Restrict MCMV and Drive Stress-Induced Extramedullary Hematopoiesis Through STAT1. SSRN Electronic Journal, 0, , .	0.4	0