

# Birgit Strobl

## List of Publications by Year in descending order

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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	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
2	Mutational switch of an IL-6 response to an interferon- $\gamma$ -like response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8043-8047.	3.3	258
3	Host-cell sensors for <i>Plasmodium</i> activate innate immunity against liver-stage infection. <i>Nature Medicine</i> , 2014, 20, 47-53.	15.2	256
4	Host Defense against Viral Infection Involves Interferon Mediated Down-Regulation of Sterol Biosynthesis. <i>PLoS Biology</i> , 2011, 9, e1000598.	2.6	241
5	CDK8 Kinase Phosphorylates Transcription Factor STAT1 to Selectively Regulate the Interferon Response. <i>Immunity</i> , 2013, 38, 250-262.	6.6	220
6	The STAT3 isoforms $\beta$ and $\gamma$ have unique and specific functions. <i>Nature Immunology</i> , 2004, 5, 401-409.	7.0	202
7	The good and the bad faces of STAT1 in solid tumours. <i>Cytokine</i> , 2017, 89, 12-20.	1.4	191
8	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
9	Aggressive B-cell lymphomas in patients with myelofibrosis receiving JAK1/2 inhibitor therapy. <i>Blood</i> , 2018, 132, 694-706.	0.6	132
10	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
11	Lipocalin 2 deactivates macrophages and worsens pneumococcal pneumonia outcomes. <i>Journal of Clinical Investigation</i> , 2013, 123, 3363-3372.	3.9	124
12	Intestinal Microbiota Signatures Associated with Inflammation History in Mice Experiencing Recurring Colitis. <i>Frontiers in Microbiology</i> , 2015, 6, 1408.	1.5	106
13	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
14	Loss of STAT3 in murine NK cells enhances NK cell-dependent tumor surveillance. <i>Blood</i> , 2014, 124, 2370-2379.	0.6	90
15	Type I Interferon Signaling Prevents IL-1 $\beta$ -Driven Lethal Systemic Hyperinflammation during Invasive Bacterial Infection of Soft Tissue. <i>Cell Host and Microbe</i> , 2016, 19, 375-387.	5.1	88
16	Tyrosine kinase 2 (TYK2) in cytokine signalling and host immunity. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 3224.	3.0	85
17	Identification of a Coronavirus Hemagglutinin-Esterase with a Substrate Specificity Different from Those of Influenza C Virus and Bovine Coronavirus. <i>Journal of Virology</i> , 1999, 73, 3737-3743.	1.5	83
18	Tyk2 and Stat3 Regulate Brown Adipose Tissue Differentiation and Obesity. <i>Cell Metabolism</i> , 2012, 16, 814-824.	7.2	81

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19	Of JAKs, STATs, blind watchmakers, jeeps and trains. FEBS Letters, 2003, 546, 1-5.	1.3	75
20	Cell-type and Donor-specific Transcriptional Responses to Interferon- $\beta$ . Journal of Biological Chemistry, 2002, 277, 49428-49437.	1.6	74
21	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
22	Bacterial polyphosphates interfere with the innate host defense to infection. Nature Communications, 2020, 11, 4035.	5.8	65
23	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
24	Novel Functions of Tyrosine Kinase 2 in the Antiviral Defense against Murine Cytomegalovirus. Journal of Immunology, 2005, 175, 4000-4008.	0.4	60
25	Cooperative Transcriptional Activation of Antimicrobial Genes by STAT and NF- $\kappa$ B Pathways by Concerted Recruitment of the Mediator Complex. Cell Reports, 2015, 12, 300-312.	2.9	58
26	Lactate and IL6 define separable paths of inflammatory metabolic adaptation. Science Advances, 2021, 7, .	4.7	55
27	TYK2 Kinase Activity Is Required for Functional Type I Interferon Responses In Vivo. PLoS ONE, 2012, 7, e39141.	1.1	54
28	Conditional IFNAR1 ablation reveals distinct requirements of Type I IFN signaling for NK cell maturation and tumor surveillance. OncoImmunology, 2012, 1, 1027-1037.	2.1	53
29	TYK2 inhibition reduces type 3 immunity and modifies disease progression in murine spondyloarthritis. Journal of Clinical Investigation, 2020, 130, 1863-1878.	3.9	51
30	Conditional Stat1 Ablation Reveals the Importance of Interferon Signaling for Immunity to Listeria monocytogenes Infection. PLoS Pathogens, 2012, 8, e1002763.	2.1	49
31	Tyrosine kinase 2 “Surveillant of tumours and bona fide oncogene. Cytokine, 2017, 89, 209-218.	1.4	45
32	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
33	Interruption of Macrophage-Derived IL-27(p28) Production by IL-10 during Sepsis Requires STAT3 but Not SOCS3. Journal of Immunology, 2014, 193, 5668-5677.	0.4	42
34	TYK2: An Upstream Kinase of STATs in Cancer. Cancers, 2019, 11, 1728.	1.7	41
35	Type I Interferon Response Dysregulates Host Iron Homeostasis and Enhances Candida glabrata Infection. Cell Host and Microbe, 2020, 27, 454-466.e8.	5.1	41
36	Type I interferons as mediators of immune adjuvants for T- and B cell-dependent acquired immunity. Vaccine, 2009, 27, G17-G20.	1.7	40

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37	Reversible Inhibition of Murine Cytomegalovirus Replication by Gamma Interferon (IFN- $\gamma$ ) 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
38	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
39	Dependency on the TYK2/STAT1/MCL1 axis in anaplastic large cell lymphoma. <i>Leukemia</i> , 2019, 33, 696-709.	3.3	40
40	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
41	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
42	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
43	Cross-Talk Between Interferon- $\gamma$ and Hedgehog Signaling Regulates Adipogenesis. <i>Diabetes</i> , 2011, 60, 1668-1676.	0.3	37
44	STAT1 $\beta$ 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
45	STAT1 is a sex-specific tumor suppressor in colitis-associated colorectal cancer. <i>Molecular Oncology</i> , 2018, 12, 514-528.	2.1	29
46	The Antiviral Response to Gamma Interferon. <i>Journal of Virology</i> , 2002, 76, 9060-9068.	1.5	28
47	In vivo tumor surveillance by NK cells requires TYK2 but not TYK2 kinase activity. <i>Oncotarget</i> , 2015, 4, e1047579.	2.1	27
48	IDO1+ Paneth cells promote immune escape of colorectal cancer. <i>Communications Biology</i> , 2020, 3, 252.	2.0	26
49	Tyrosine Kinase 2 Controls IL-1 $\beta$ Production at the Translational Level. <i>Journal of Immunology</i> , 2010, 185, 3544-3553.	0.4	24
50	Myeloid STAT3 promotes formation of colitis-associated colorectal cancer in mice. <i>Oncotarget</i> , 2015, 4, e998529.	2.1	24
51	The Receptor-Destroying Enzyme of Influenza C Virus Is Required for Entry into Target Cells. <i>Virology</i> , 1993, 192, 679-682.	1.1	23
52	The lipocalin XLCpl1 expressed in the neural plate of <i>Xenopus laevis</i> embryos is a secreted retinaldehyde binding protein. <i>Protein Science</i> , 1996, 5, 1250-1260.	3.1	23
53	Recombinant viral sialate-O-acetyltransferases. <i>Glycoconjugate Journal</i> , 2003, 20, 551-561.	1.4	23
54	Histone deacetylases 1 and 2 restrain CD4+ cytotoxic T lymphocyte differentiation. <i>JCI Insight</i> , 2020, 5, .	2.3	23

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55	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
56	Type I interferon promotes alveolar epithelial type II cell survival during pulmonary <i>Streptococcus pneumoniae</i> infection and sterile lung injury in mice. <i>European Journal of Immunology</i> , 2016, 46, 2175-2186.	1.6	21
57	Contribution of cell culture additives to the two-dimensional protein patterns of mouse macrophages. <i>Electrophoresis</i> , 2006, 27, 1626-1629.	1.3	20
58	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
59	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
60	Metabolic Regulators Nampt and Sirt6 Serially Participate in the Macrophage Interferon Antiviral Cascade. <i>Frontiers in Microbiology</i> , 2019, 10, 355.	1.5	19
61	TYK2 in Tumor Immunosurveillance. <i>Cancers</i> , 2020, 12, 150.	1.7	18
62	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
63	Conditional ablation of TYK2 in immunity to viral infection and tumor surveillance. <i>Transgenic Research</i> , 2014, 23, 519-529.	1.3	16
64	TYK2 licenses non-canonical inflammasome activation during endotoxemia. <i>Cell Death and Differentiation</i> , 2021, 28, 748-763.	5.0	16
65	Selective Janus kinase inhibition preserves interferon- $\gamma$ -mediated antiviral responses. <i>Science Immunology</i> , 2021, 6, .	5.6	16
66	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
67	Use of apathogenic vaccinia virus MVA expressing EHV-1 gC as basis of a combined recombinant MVA/DNA vaccination scheme. <i>Vaccine</i> , 2000, 18, 1320-1326.	1.7	15
68	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
69	STAT1 Isoforms Differentially Regulate NK Cell Maturation and Anti-tumor Activity. <i>Frontiers in Immunology</i> , 2020, 11, 2189.	2.2	15
70	T-Bet Controls Cellularity of Intestinal Group 3 Innate Lymphoid Cells. <i>Frontiers in Immunology</i> , 2020, 11, 623324.	2.2	15
71	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
72	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

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73	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
74	Studying Human Pathogens in Animal Models: Fine Tuning the Humanized Mouse. <i>Transgenic Research</i> , 2005, 14, 803-806.	1.3	12
75	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
76	Myeloid Cells Restrict MCMV and Drive Stress-Induced Extramedullary Hematopoiesis through STAT1. <i>Cell Reports</i> , 2019, 26, 2394-2406.e5.	2.9	12
77	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
78	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
79	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
80	Inducible, Dose-Adjustable and Time-Restricted Reconstitution of Stat1 Deficiency In Vivo. <i>PLoS ONE</i> , 2014, 9, e86608.	1.1	10
81	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
82	cDNA Cloning and Expression of Secreted Xenopus Laevis Dipeptidyl Aminopeptidase IV. <i>FEBS Journal</i> , 1997, 247, 107-113.	0.2	7
83	Kinase inactive Tyrosine kinase (Tyk2) Supports Differentiation of Brown fat Cells. <i>Endocrinology</i> , 2016, 158, en.2015-2048.	1.4	7
84	A time- and dose-dependent STAT1 expression system. <i>BMC Biotechnology</i> , 2006, 6, 48.	1.7	6
85	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
86	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
87	Oncogenic TYK2 <sup>P760L</sup> kinase is effectively targeted by combinatorial TYK2, mTOR and CDK4/6 kinase blockade. <i>Haematologica</i> , 2022, , .	1.7	1
88	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
89	24 OCT-6 (POU3F1, TST-1, SCIP) is an interferon-inducible protein. <i>Cytokine</i> , 2008, 43, 242.	1.4	0
90	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

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91	PS2-084 Dissection of kinase-dependent and -independent functions of Tyk2 in immunity to infection and tumor-surveillance. Cytokine, 2011, 56, 86.	1.4	0
92	Multifaceted Antiviral Actions of Interferon-stimulated Gene Products. , 2012, , 387-423.		0
93	ID: 77. Cytokine, 2015, 76, 79.	1.4	0
94	ID: 131. Cytokine, 2015, 76, 90.	1.4	0
95	Methods to Study Tumor Surveillance Using Tumor Cell Transplantation into Genetically Engineered Mice. Methods in Molecular Biology, 2015, 1267, 439-456.	0.4	0
96	738 - Inhibition of Tyrosine Kinase 2 Signaling Ameliorates T Cell Transfer Colitis. Gastroenterology, 2018, 154, S-153.	0.6	0
97	JAK/STAT Signaling: A Tale of Jeeps and Trains. , 2003, , 355-365.		0
98	Macrophages Restrict MCMV and Drive Stress-Induced Extramedullary Hematopoiesis Through STAT1. SSRN Electronic Journal, 0, , .	0.4	0