Stephanie S Watowich

List of Publications by Year
in descending order

95 papers	14,808 citations	47006 47 h-index	46799 89 g-index
99 all docs	99 docs citations	99 times ranked	20981 citing authors

#	Article	IF	Citations
1	Targeting IL-1Î² as an immunopreventive and therapeutic modality for K-rasâ€“mutant lung cancer. JCI Insight, 2022, 7, .	5.0	25
2	Regulation and function of Id2 in plasmacytoid dendritic cells. Molecular Immunology, 2022, 148, 6-17.	2.2	0
3	Immune landscape of a genetically engineered murine model of glioma compared with human glioma. JCI Insight, 2022, 7, .	5.0	10
4	Gut microbiota signatures are associated with toxicity to combined CTLA-4 and PD-1 blockade. Nature Medicine, 2021, 27, 1432-1441.	30.7	216
5	Tonic interferon restricts pathogenic IL-17-driven inflammatory disease via balancing the microbiome. ELife, 2021, 10, .	6.0	20
6	Dietary fiber and probiotics influence the gut microbiome and melanoma immunotherapy response. Science, 2021, 374, 1632-1640.	12.6	369
7	Histone Deacetylase Inhibitors and IL21 Cooperate to Reprogram Human Effector CD8+ T Cells to Memory T Cells. Cancer Immunology Research, 2020, 8, 794-805.	3.4	17
8	Interplay between estrogen and Stat3/NF-ÎºB-driven immunomodulation in lung cancer. Carcinogenesis, 2020, 41, 1529-1542.	2.8	9
9	STAT3 Inhibits CD103+ cDC1 Vaccine Efficacy in Murine Breast Cancer. Cancers, 2020, 12, 128.	3.7	14
10	Vaccine efficacy against primary and metastatic cancer with in vitro-generated CD103⁺conventional dendritic cells. , 2020, 8, e000474.		57
11	FGL2 promotes tumor progression in the CNS by suppressing CD103+ dendritic cell differentiation. Nature Communications, 2019, 10, 448.	12.8	65
12	PPARD and Interferon Gamma Promote Transformation of Gastric Progenitor Cells and Tumorigenesis in Mice. Gastroenterology, 2019, 157, 163-178.	1.3	34
13	Preventing abnormal NF-ÎºB activation and autoimmunity by Otub1-mediated p100 stabilization. Cell Research, 2019, 29, 474-485.	12.0	30
14	CXCR5+CD8+ T cells are a distinct functional subset with an antitumor activity. Leukemia, 2019, 33, 2640-2653.	7.2	40
15	Combined Inhibition of STAT3 and DNA Repair in Palbociclib-Resistant ER-Positive Breast Cancer. Clinical Cancer Research, 2019, 25, 3996-4013.	7.0	77
16	Introduction to the Special Issue: The tumor microenvironment and molecular regulation of innate immune cells. Molecular Immunology, 2019, 110, 1-2.	2.2	0
17	Molecular regulation of dendritic cell development and function in homeostasis, inflammation, and cancer. Molecular Immunology, 2019, 110, 24-39.	2.2	38
18	Genetic rescue of lineage-balanced blood cell production reveals a crucial role for STAT3 antiinflammatory activity in hematopoiesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2311-E2319.	7.1	9

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19	Sex specific function of epithelial STAT3 signaling in pathogenesis of K-ras mutant lung cancer. Nature Communications, 2018, 9, 4589.	12.8	57
20	Role of the Fractalkine Receptor in CNS Autoimmune Inflammation: New Approach Utilizing a Mouse Model Expressing the Human CX3CR1I249/M280 Variant. Frontiers in Cellular Neuroscience, 2018, 12, 365.	3.7	44
21	Macrophage conditioned medium promotes colorectal cancer stem cell phenotype via the hedgehog signaling pathway. PLoS ONE, 2018, 13, e0190070.	2.5	17
22	The histone deacetylase inhibitor valproic acid inhibits NKG2D expression in natural killer cells through suppression of STAT3 and HDAC3. Scientific Reports, 2017, 7, 45266.	3.3	61
23	The kinase TBK1 functions in dendritic cells to regulate T cell homeostasis, autoimmunity, and antitumor immunity. Journal of Experimental Medicine, 2017, 214, 1493-1507.	8.5	62
24	MicroRNA-22 controls interferon alpha production and erythroid maturation in response to infectious stress in mice. Experimental Hematology, 2017, 56, 7-15.	0.4	15
25	Jak-STAT Signaling Pathways. , 2016, , 134-145.		1
26	Loss of câ€kit and bone marrow failure upon conditional removal of the <scp>GATA</scp>â€2 Câ€terminal zinc finger domain in adult mice. European Journal of Haematology, 2016, 97, 261-270.	2.2	8
27	STAT3 signaling in immunity. Cytokine and Growth Factor Reviews, 2016, 31, 1-15.	7.2	466
28	IL6 Blockade Reprograms the Lung Tumor Microenvironment to Limit the Development and Progression of K-rasâ€“Mutant Lung Cancer. Cancer Research, 2016, 76, 3189-3199.	0.9	165
29	Bypassing STAT3-mediated inhibition of the transcriptional regulator ID2 improves the antitumor efficacy of dendritic cells. Science Signaling, 2016, 9, ra94.	3.6	18
30	Neutrophils Regulate Humoral Autoimmunity by Restricting Interferon-Î³ Production via the Generation of Reactive Oxygen Species. Cell Reports, 2015, 12, 1120-1132.	6.4	27
31	15â€Lipoxygenaseâ€1 suppression of colitisâ€associated colon cancer through inhibition of the ILâ€6/STAT3 signaling pathway. FASEB Journal, 2015, 29, 2359-2370.	0.5	36
32	Assessing the Development of Murine Plasmacytoid Dendritic Cells in Peyer's Patches Using Adoptive Transfer of Hematopoietic Progenitors. Journal of Visualized Experiments, 2014, , .	0.3	0
33	STAT3 restrains RANK- and TLR4-mediated signalling by suppressing expression of the E2 ubiquitin-conjugating enzyme Ubc13. Nature Communications, 2014, 5, 5798.	12.8	53
34	Noncanonical NF-ÎºB Pathway Controls the Production of Type I Interferons in Antiviral Innate Immunity. Immunity, 2014, 40, 342-354.	14.3	117
35	USP15 stabilizes MDM2 to mediate cancer-cell survival and inhibit antitumor T cell responses. Nature Immunology, 2014, 15, 562-570.	14.5	204
36	STAT3 Inhibitors: Finding a Home in Lymphoma and Leukemia. Oncologist, 2014, 19, 536-544.	3.7	55

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37	Innate immune regulation by <scp>STAT</scp>â€mediated transcriptional mechanisms. Immunological Reviews, 2014, 261, 84-101.	6.0	53
38	Transcription of the activating receptor NKG2D in natural killer cells is regulated by STAT3 tyrosine phosphorylation. Blood, 2014, 124, 403-411.	1.4	63
39	Microbial messaging to the marrow. Blood, 2014, 124, 1379-1380.	1.4	2
40	The signaling suppressor CIS controls proallergic T cell development and allergic airway inflammation. Nature Immunology, 2013, 14, 732-740.	14.5	117
41	BRAF Inhibition Increases Tumor Infiltration by T cells and Enhances the Antitumor Activity of Adoptive Immunotherapy in Mice. Clinical Cancer Research, 2013, 19, 393-403.	7.0	336
42	Diversification of dendritic cell subsets. Jak-stat, 2013, 2, e25112.	2.2	18
43	STAT5 Protein Negatively Regulates T Follicular Helper (Tfh) Cell Generation and Function. Journal of Biological Chemistry, 2012, 287, 11234-11239.	3.4	198
44	A STATus report on DC development. Journal of Leukocyte Biology, 2012, 92, 445-459.	3.3	8
45	G-CSF-activated STAT3 enhances production of the chemokine MIP-2 in bone marrow neutrophils. Journal of Leukocyte Biology, 2012, 92, 1215-1225.	3.3	30
46	The signal transducers STAT5 and STAT3 control expression of Id2 and E2-2 during dendritic cell development. Blood, 2012, 120, 4363-4373.	1.4	75
47	Regulation of Dendritic Cell Development by STATs. , 2012, , 169-186.		0
48	G-CSF Receptor Structure, Function, and Intracellular Signal Transduction. , 2012, , 83-105.		3
49	miR-22 Controls Irf8 mRNA Abundance and Murine Dendritic Cell Development. PLoS ONE, 2012, 7, e52341.	2.5	40
50	The transcriptional regulators Id2 and Id3 control the formation of distinct memory CD8+ T cell subsets. Nature Immunology, 2011, 12, 1221-1229.	14.5	328
51	Cell-intrinsic role for IFN-Î±â€“STAT1 signals in regulating murine Peyer patch plasmacytoid dendritic cells and conditioning an inflammatory response. Blood, 2011, 118, 3879-3889.	1.4	48
52	The Erythropoietin Receptor: Molecular Structure and Hematopoietic Signaling Pathways. Journal of Investigative Medicine, 2011, 59, 1067-1072.	1.6	83
53	STAT3 controls the neutrophil migratory response to CXCR2 ligands by direct activation of G-CSFâ€“induced CXCR2 expression and via modulation of CXCR2 signal transduction. Blood, 2010, 115, 3354-3363.	1.4	114
54	Mechanisms regulating dendritic cell specification and development. Immunological Reviews, 2010, 238, 76-92.	6.0	127

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55	STAT3 controls myeloid progenitor growth during emergency granulopoiesis. Blood, 2010, 116, 2462-2471.	1.4	183
56	Arginine Usage in Mycobacteria-Infected Macrophages Depends on Autocrine-Paracrine Cytokine Signaling. Science Signaling, 2010, 3, ra62.	3.6	128
57	Critical Regulation of Early Th17 Cell Differentiation by Interleukin-1 Signaling. Immunity, 2009, 30, 576-587.	14.3	1,042
58	Dendritic cells: Transcriptional control of plasmacytoid dendritic cell development by E2â€². Immunology and Cell Biology, 2009, 87, 1-2.	2.3	4
59	Endogenous suppression of mast cell development and survival by IL-4 and IL-10. Journal of Leukocyte Biology, 2009, 85, 826-836.	3.3	41
60	Molecular Antagonism and Plasticity of Regulatory and Inflammatory T Cell Programs. Immunity, 2008, 29, 44-56.	14.3	1,023
61	Generation of T Follicular Helper Cells Is Mediated by Interleukin-21 but Independent of T Helper 1, 2, or 17 Cell Lineages. Immunity, 2008, 29, 138-149.	14.3	1,059
62	T Helper 17 Lineage Differentiation Is Programmed by Orphan Nuclear Receptors RORÎ± and RORÎ³. Immunity, 2008, 28, 29-39.	14.3	1,471
63	The Signal Transducer STAT5 Inhibits Plasmacytoid Dendritic Cell Development by Suppressing Transcription Factor IRF8. Immunity, 2008, 28, 509-520.	14.3	202
64	Generation of T Follicular Helper Cells Is Mediated by Interleukin-21 but Independent of T Helper 1, 2, or 17 Cell Lineages. Immunity, 2008, 29, 318.	14.3	4
65	Granulocyte colony-stimulating factor: Molecular mechanisms of action during steady state and â€˜emergencyâ€™ hematopoiesis. Cytokine, 2008, 42, 277-288.	3.2	331
66	CCR6 Regulates the Migration of Inflammatory and Regulatory T Cells. Journal of Immunology, 2008, 181, 8391-8401.	0.8	460
67	IL-10 Suppresses Mast Cell IgE Receptor Expression and Signaling In Vitro and In Vivo. Journal of Immunology, 2008, 180, 2848-2854.	0.8	89
68	STAT3 Regulates Cytokine-mediated Generation of Inflammatory Helper T Cells. Journal of Biological Chemistry, 2007, 282, 9358-9363.	3.4	1,255
69	Cutting Edge: A Transcriptional Repressor and Corepressor Induced by the STAT3-Regulated Anti-Inflammatory Signaling Pathway. Journal of Immunology, 2007, 179, 7215-7219.	0.8	149
70	Mutations in the cofilin partner Aip1/Wdr1 cause autoinflammatory disease and macrothrombocytopenia. Blood, 2007, 110, 2371-2380.	1.4	98
71	Essential autocrine regulation by IL-21 in the generation of inflammatory T cells. Nature, 2007, 448, 480-483.	27.8	1,341
72	STAT3 governs distinct pathways in emergency granulopoiesis and mature neutrophils. Blood, 2006, 108, 3682-3690.	1.4	161

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73	IL-6 signaling via the STAT3/SOCS3 pathway: Functional Analysis of the Conserved STAT3 N-domain. Molecular and Cellular Biochemistry, 2006, 288, 179-189.	3.1	76
74	Src activation of Stat3 is an independent requirement from NF-Î¹B activation for constitutive IL-8 expression in human pancreatic adenocarcinoma cells. Angiogenesis, 2006, 9, 101-110.	7.2	47
75	General Nature of the STAT3-Activated Anti-Inflammatory Response. Journal of Immunology, 2006, 177, 7880-7888.	0.8	197
76	HIF-1Î±, STAT3, CBP/p300 and Ref-1/APE are components of a transcriptional complex that regulates Src-dependent hypoxia-induced expression of VEGF in pancreatic and prostate carcinomas. Oncogene, 2005, 24, 3110-3120.	5.9	353
77	Cytokine signals through STAT3 promote expression of granulocyte secondary granule proteins in 32D cells. Experimental Hematology, 2005, 33, 308-317.	0.4	15
78	A Ras Homologue Member I Directly Inhibits Signal Transducers and Activators of Transcription 3 Translocation and Activity in Human Breast and Ovarian Cancer Cells. Cancer Research, 2005, 65, 6701-6710.	0.9	42
79	Truncated Human EpoR Causes Polycythemia in Fetal Erythropoiesis through Stat5 Hyperactivation.. Blood, 2005, 106, 567-567.	1.4	1
80	Enhancer-Mediated Control of Macrophage-Specific Arginase I Expression. Journal of Immunology, 2004, 172, 7565-7573.	0.8	210
81	Hematopoietic cell survival signals are elicited through nonâ€“tyrosine-containing sequences in the membrane-proximal region of the erythropoietin receptor (EPOR) by a Stat5-dependent pathway. Experimental Hematology, 2003, 31, 1310-1316.	0.4	14
82	Differential regulation of SOCS genes in normal and transformed erythroid cells. Oncogene, 2003, 22, 3221-3230.	5.9	33
83	Control of Myeloid-specific Integrin Î±MÎ²2 (CD11b/CD18) Expression by Cytokines Is Regulated by Stat3-dependent Activation of PU.1. Journal of Biological Chemistry, 2002, 277, 19001-19007.	3.4	52
84	Oncogene cooperativity in Friend erythroleukemia: erythropoietin receptor activation by the env gene of SFFV leads to transcriptional upregulation of PU.1, independent of SFFV proviral insertion. Oncogene, 2002, 21, 1272-1284.	5.9	9
85	Self assembly of the transmembrane domain promotes signal transduction through the erythropoietin receptor. Current Biology, 2001, 11, 110-115.	3.9	100
86	Dominant action of mutated erythropoietin receptors on differentiation in vitro and erythroleukemia development in vivo. Oncogene, 2000, 19, 953-960.	5.9	6
87	Cytokine Signaling through Stat3 Activates Integrins, Promotes Adhesion, and Induces Growth Arrest in the Myeloid Cell Line 32D. Journal of Biological Chemistry, 2000, 275, 26566-26575.	3.4	36
88	Erythropoietin Receptors That Signal Through Stat5 or Stat3 Support Fetal Liver and Adult Erythropoiesis: Lack of Specificity of Stat Signals During Red Blood Cell Development. Journal of Interferon and Cytokine Research, 2000, 20, 1065-1070.	1.2	19
89	Oligomerization and Scaffolding Functions of the Erythropoietin Receptor Cytoplasmic Tail. Journal of Biological Chemistry, 1999, 274, 5415-5421.	3.4	26
90	Activation of erythropoietin signaling by receptor dimerization. International Journal of Biochemistry and Cell Biology, 1999, 31, 1075-1088.	2.8	26

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91	Erythropoietin Receptor Mutations Associated With Familial Erythrocytosis Cause Hypersensitivity to Erythropoietin in the Heterozygous State. Blood, 1999, 94, 2530-2532.	1.4	54
92	Identification of a cytoplasmic motif in the erythropoietin receptor required for receptor internalization. FEBS Letters, 1998, 427, 164-170.	2.8	30
93	Cell Surface Organization of the Erythropoietin Receptor Complex Differs Depending on its Mode of Activation. Journal of Biological Chemistry, 1997, 272, 9099-9107.	3.4	18
94	CYTOKINE RECEPTOR SIGNAL TRANSDUCTION AND THE CONTROL OF HEMATOPOIETIC CELL DEVELOPMENT. Annual Review of Cell and Developmental Biology, 1996, 12, 91-128.	9.4	196
95	Saturation Mutagenesis of the WSXWS Motif of the Erythropoietin Receptor. Journal of Biological Chemistry, 1996, 271, 4699-4708.	3.4	93