

# Hua Yu

## List of Publications by Year in descending order

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118  
papers

25,346  
citations

20817

60  
h-index

24258

110  
g-index

121  
all docs

121  
docs citations

121  
times ranked

28824  
citing authors

#	ARTICLE	IF	CITATIONS
1	STATs in cancer inflammation and immunity: a leading role for STAT3. <i>Nature Reviews Cancer</i> , 2009, 9, 798-809.	28.4	3,503
2	The STATs of cancer “new molecular targets come of age. <i>Nature Reviews Cancer</i> , 2004, 4, 97-105.	28.4	2,084
3	Revisiting STAT3 signalling in cancer: new and unexpected biological functions. <i>Nature Reviews Cancer</i> , 2014, 14, 736-746.	28.4	1,672
4	Crosstalk between cancer and immune cells: role of STAT3 in the tumour microenvironment. <i>Nature Reviews Immunology</i> , 2007, 7, 41-51.	22.7	1,588
5	Constitutive Stat3 activity up-regulates VEGF expression and tumor angiogenesis. <i>Oncogene</i> , 2002, 21, 2000-2008.	5.9	1,061
6	Regulation of the innate and adaptive immune responses by Stat-3 signaling in tumor cells. <i>Nature Medicine</i> , 2004, 10, 48-54.	30.7	1,029
7	Inhibiting Stat3 signaling in the hematopoietic system elicits multicomponent antitumor immunity. <i>Nature Medicine</i> , 2005, 11, 1314-1321.	30.7	917
8	IL-17 can promote tumor growth through an IL-6“Stat3 signaling pathway. <i>Journal of Experimental Medicine</i> , 2009, 206, 1457-1464.	8.5	714
9	Constitutive activation of Stat3 by the Src and JAK tyrosine kinases participates in growth regulation of human breast carcinoma cells. <i>Oncogene</i> , 2001, 20, 2499-2513.	5.9	677
10	Persistently Activated Stat3 Maintains Constitutive NF- $\kappa$ B Activity in Tumors. <i>Cancer Cell</i> , 2009, 15, 283-293.	16.8	585
11	Targeting Stat3 blocks both HIF-1 and VEGF expression induced by multiple oncogenic growth signaling pathways. <i>Oncogene</i> , 2005, 24, 5552-5560.	5.9	523
12	JAK/STAT3-Regulated Fatty Acid $\beta$ -Oxidation Is Critical for Breast Cancer Stem Cell Self-Renewal and Chemoresistance. <i>Cell Metabolism</i> , 2018, 27, 136-150.e5.	16.2	519
13	Cutting Edge: An In Vivo Requirement for STAT3 Signaling in TH17 Development and TH17-Dependent Autoimmunity. <i>Journal of Immunology</i> , 2007, 179, 4313-4317.	0.8	514
14	The JAK2 Inhibitor AZD1480 Potently Blocks Stat3 Signaling and Oncogenesis in Solid Tumors. <i>Cancer Cell</i> , 2009, 16, 487-497.	16.8	478
15	Stat3 mediates myeloid cell“dependent tumor angiogenesis in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3367-3377.	8.2	473
16	Sunitinib Inhibition of Stat3 Induces Renal Cell Carcinoma Tumor Cell Apoptosis and Reduces Immunosuppressive Cells. <i>Cancer Research</i> , 2009, 69, 2506-2513.	0.9	453
17	Regulation of the IL-23 and IL-12 Balance by Stat3 Signaling in the Tumor Microenvironment. <i>Cancer Cell</i> , 2009, 15, 114-123.	16.8	431
18	Roles of activated Src and Stat3 signaling in melanoma tumor cell growth. <i>Oncogene</i> , 2002, 21, 7001-7010.	5.9	391

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19	A Critical Role for Stat3 Signaling in Immune Tolerance. <i>Immunity</i> , 2003, 19, 425-436.	14.3	360
20	In vivo delivery of siRNA to immune cells by conjugation to a TLR9 agonist enhances antitumor immune responses. <i>Nature Biotechnology</i> , 2009, 27, 925-932.	17.5	352
21	STAT3-induced S1PR1 expression is crucial for persistent STAT3 activation in tumors. <i>Nature Medicine</i> , 2010, 16, 1421-1428.	30.7	346
22	Role of Stat3 in Regulating p53 Expression and Function. <i>Molecular and Cellular Biology</i> , 2005, 25, 7432-7440.	2.3	342
23	Targeting STAT3 affects melanoma on multiple fronts. <i>Cancer and Metastasis Reviews</i> , 2005, 24, 315-327.	5.9	255
24	S1PR1-STAT3 Signaling Is Crucial for Myeloid Cell Colonization at Future Metastatic Sites. <i>Cancer Cell</i> , 2012, 21, 642-654.	16.8	229
25	STAT3 Activation-Induced Fatty Acid Oxidation in CD8+ T Effector Cells Is Critical for Obesity-Promoted Breast Tumor Growth. <i>Cell Metabolism</i> , 2020, 31, 148-161.e5.	16.2	201
26	Tumour ischaemia by interferon- $\gamma$ resembles physiological blood vessel regression. <i>Nature</i> , 2017, 545, 98-102.	27.8	199
27	Acetylated STAT3 is crucial for methylation of tumor-suppressor gene promoters and inhibition by resveratrol results in demethylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7765-7769.	7.1	198
28	Activation of c-Src by receptor tyrosine kinases in human colon cancer cells with high metastatic potential. <i>Oncogene</i> , 1997, 15, 3083-3090.	5.9	185
29	Loss of Androgen Receptor Expression Promotes a Stem-like Cell Phenotype in Prostate Cancer through STAT3 Signaling. <i>Cancer Research</i> , 2014, 74, 1227-1237.	0.9	169
30	Role of Stat3 in suppressing anti-tumor immunity. <i>Current Opinion in Immunology</i> , 2008, 20, 228-233.	5.5	166
31	Stat3 inhibition activates tumor macrophages and abrogates glioma growth in mice. <i>Glia</i> , 2009, 57, 1458-1467.	4.9	165
32	Signal Transducer and Activator of Transcription 3 Is Required for Hypoxia-Inducible Factor-1 $\alpha$ RNA Expression in Both Tumor Cells and Tumor-Associated Myeloid Cells. <i>Molecular Cancer Research</i> , 2008, 6, 1099-1105.	3.4	162
33	IL-17 Enhances Tumor Development in Carcinogen-Induced Skin Cancer. <i>Cancer Research</i> , 2010, 70, 10112-10120.	0.9	157
34	Quercetin exerts anti-melanoma activities and inhibits STAT3 signaling. <i>Biochemical Pharmacology</i> , 2014, 87, 424-434.	4.4	141
35	Inhibition of constitutive signal transducer and activator of transcription 3 activation by novel platinum complexes with potent antitumor activity. <i>Molecular Cancer Therapeutics</i> , 2004, 3, 1533-42.	4.1	135
36	Inhibition of Bcr-Abl kinase activity by PD180970 blocks constitutive activation of Stat5 and growth of CML cells. <i>Oncogene</i> , 2002, 21, 8804-8816.	5.9	127

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37	Stat3 Activity in Melanoma Cells Affects Migration of Immune Effector Cells and Nitric Oxide-Mediated Antitumor Effects. <i>Journal of Immunology</i> , 2005, 174, 3925-3931.	0.8	126
38	CTLA4 aptamer delivers STAT3 siRNA to tumor-associated and malignant T cells. <i>Journal of Clinical Investigation</i> , 2014, 124, 2977-2987.	8.2	125
39	B7-H3 Associated with Tumor Progression and Epigenetic Regulatory Activity in Cutaneous Melanoma. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2050-2058.	0.7	121
40	CD5 Binds to Interleukin-6 and Induces a Feed-Forward Loop with the Transcription Factor STAT3 in B Cells to Promote Cancer. <i>Immunity</i> , 2016, 44, 913-923.	14.3	120
41	Targeting Stat3 in the Myeloid Compartment Drastically Improves the <i>In vivo</i> Antitumor Functions of Adoptively Transferred T Cells. <i>Cancer Research</i> , 2010, 70, 7455-7464.	0.9	118
42	B Cells Promote Tumor Progression via STAT3 Regulated-Angiogenesis. <i>PLoS ONE</i> , 2013, 8, e64159.	2.5	118
43	Toll-like Receptor 9 Activation of Signal Transducer and Activator of Transcription 3 Constrains Its Agonist-Based Immunotherapy. <i>Cancer Research</i> , 2009, 69, 2497-2505.	0.9	117
44	Antiangiogenic and Antimetastatic Activity of JAK Inhibitor AZD1480. <i>Cancer Research</i> , 2011, 71, 6601-6610.	0.9	109
45	Critical Role of STAT3 in IL-6-Mediated Drug Resistance in Human Neuroblastoma. <i>Cancer Research</i> , 2013, 73, 3852-3864.	0.9	109
46	Targeting STAT3 in Adoptively Transferred T Cells Promotes Their <i>In Vivo</i> Expansion and Antitumor Effects. <i>Cancer Research</i> , 2010, 70, 9599-9610.	0.9	108
47	Regulation of adipose tissue T cell subsets by Stat3 is crucial for diet-induced obesity and insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13079-13084.	7.1	107
48	Inhibition of the STAT3 signaling pathway contributes to apigenin-mediated anti-metastatic effect in melanoma. <i>Scientific Reports</i> , 2016, 6, 21731.	3.3	107
49	Anti-CD40 Antibody Induces Antitumor and Antimetastatic Effects: The Role of NK Cells. <i>Journal of Immunology</i> , 2001, 166, 89-94.	0.8	103
50	TLR9-mediated siRNA delivery for targeting of normal and malignant human hematopoietic cells in vivo. <i>Blood</i> , 2013, 121, 1304-1315.	1.4	103
51	STAT3: A Target to Enhance Antitumor Immune Response. <i>Current Topics in Microbiology and Immunology</i> , 2010, 344, 41-59.	1.1	97
52	Sunitinib Induces Apoptosis and Growth Arrest of Medulloblastoma Tumor Cells by Inhibiting STAT3 and AKT Signaling Pathways. <i>Molecular Cancer Research</i> , 2010, 8, 35-45.	3.4	95
53	STAT3 Inhibition Is a Therapeutic Strategy for ABC-like Diffuse Large B-Cell Lymphoma. <i>Cancer Research</i> , 2011, 71, 3182-3188.	0.9	95
54	S1PR1 is an effective target to block STAT3 signaling in activated B cell-like diffuse large B-cell lymphoma. <i>Blood</i> , 2012, 120, 1458-1465.	1.4	94

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55	Stat3 as a Potential Target for Cancer Immunotherapy. Journal of Immunotherapy, 2007, 30, 131-139.	2.4	80
56	S1PR1 Is Crucial for Accumulation of Regulatory T Cells in Tumors via STAT3. Cell Reports, 2014, 6, 992-999.	6.4	80
57	Icaritin Inhibits JAK/STAT3 Signaling and Growth of Renal Cell Carcinoma. PLoS ONE, 2013, 8, e81657.	2.5	76
58	Activation of microglial cells by the CD40 pathway: relevance to multiple sclerosis. Journal of Neuroimmunology, 1999, 97, 77-85.	2.3	73
59	STAT3 in CD8+ T Cells Inhibits Their Tumor Accumulation by Downregulating CXCR3/CXCL10 Axis. Cancer Immunology Research, 2015, 3, 864-870.	3.4	73
60	Dual inhibition of Janus and Src family kinases by novel indirubin derivative blocks constitutively activated Stat3 signaling associated with apoptosis of human pancreatic cancer cells. Molecular Oncology, 2013, 7, 369-378.	4.6	69
61	Activated Stat-3 in Melanoma. Cancer Control, 2008, 15, 196-201.	1.8	62
62	TLR9 Is Critical for Glioma Stem Cell Maintenance and Targeting. Cancer Research, 2014, 74, 5218-5228.	0.9	60
63	Extrafollicular CD4+ T-B interactions are sufficient for inducing autoimmune-like chronic graft-versus-host disease. Nature Communications, 2017, 8, 978.	12.8	58
64	Prognostic Significance of B-Cells and pSTAT3 in Patients with Ovarian Cancer. PLoS ONE, 2013, 8, e54029.	2.5	56
65	Antitumor Activity of Targeting Src Kinases in Endothelial and Myeloid Cell Compartments of the Tumor Microenvironment. Clinical Cancer Research, 2010, 16, 924-935.	7.0	53
66	Src activation in melanoma and Src inhibitors as therapeutic agents in melanoma. Melanoma Research, 2009, 19, 167-175.	1.2	52
67	G-protein-coupled Receptor Agonist BV8/Prokineticin-2 and STAT3 Protein Form a Feed-forward Loop in Both Normal and Malignant Myeloid Cells. Journal of Biological Chemistry, 2013, 288, 13842-13849.	3.4	49
68	Broadened Clinical Utility of Gene Gun-Mediated, Granulocyte-Macrophage Colony-Stimulating Factor cDNA-Based Tumor Cell Vaccines as Demonstrated with a Mouse Myeloma Model. Human Gene Therapy, 1998, 9, 1121-1130.	2.7	46
69	Molecular Cloning and Characterization of the Human AKT1 Promoter Uncovers Its Up-regulation by the Src/Stat3 Pathway. Journal of Biological Chemistry, 2005, 280, 38932-38941.	3.4	43
70	Activated Signal Transducers and Activators of Transcription 3 Signaling Induces CD46 Expression and Protects Human Cancer Cells from Complement-Dependent Cytotoxicity. Molecular Cancer Research, 2007, 5, 823-832.	3.4	43
71	Humanized Lewis-Y Specific Antibody Based Delivery of STAT3 siRNA. ACS Chemical Biology, 2011, 6, 962-970.	3.4	41
72	Cytokine-Based Tumor Cell Vaccine Is Equally Effective Against Parental and Isogenic Multidrug-Resistant Myeloma Cells: The Role of Cytotoxic T Lymphocytes. Blood, 1999, 93, 1831-1837.	1.4	40

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73	Oncogene-Targeting T Cells Reject Large Tumors while Oncogene Inactivation Selects Escape Variants in Mouse Models of Cancer. <i>Cancer Cell</i> , 2011, 20, 755-767.	16.8	40
74	CD44 in Ovarian Cancer Progression and Therapy Resistance—A Critical Role for STAT3. <i>Frontiers in Oncology</i> , 2020, 10, 589601.	2.8	39
75	Combination therapy with AG-490 and interleukin 12 achieves greater antitumor effects than either agent alone. <i>Molecular Cancer Therapeutics</i> , 2002, 1, 893-9.	4.1	39
76	A Requirement of STAT3 DNA Binding Precludes Th-1 Immunostimulatory Gene Expression by NF- $\kappa$ B in Tumors. <i>Cancer Research</i> , 2011, 71, 3772-3780.	0.9	38
77	Interferon- $\gamma$ -Inducing Factor Elicits Antitumor Immunity Association with Interferon- $\gamma$ Production. <i>Journal of Immunotherapy</i> , 1998, 21, 48-55.	2.4	35
78	Interleukin-12 cDNA skin transfection potentiates human papillomavirus E6 DNA vaccine-induced antitumor immune response. <i>Cancer Gene Therapy</i> , 1999, 6, 331-339.	4.6	35
79	Metastasis-Entrained Eosinophils Enhance Lymphocyte-Mediated Antitumor Immunity. <i>Cancer Research</i> , 2021, 81, 5555-5571.	0.9	35
80	CTLA4 Promotes Tyk2-STAT3–Dependent B-cell Oncogenicity. <i>Cancer Research</i> , 2017, 77, 5118-5128.	0.9	34
81	Reduced $\text{IL-6}$ levels and tumor-associated phospho-STAT3 are associated with reduced tumor development in a mouse model of lung cancer chemoprevention with $\text{mTORC1}$ inhibitor. <i>International Journal of Cancer</i> , 2018, 142, 1405-1417.	5.1	33
82	T cell recognition of endogenous IgG2a expressed in B lymphoma cells. <i>European Journal of Immunology</i> , 1988, 18, 341-348.	2.9	32
83	Co-delivery of paclitaxel and STAT3 siRNA by a multifunctional nanocomplex for targeted treatment of metastatic breast cancer. <i>Acta Biomaterialia</i> , 2021, 134, 649-663.	8.3	32
84	Inhibition of the CDK2 and Cyclin A complex leads to autophagic degradation of CDK2 in cancer cells. <i>Nature Communications</i> , 2022, 13, .	12.8	31
85	Fatty acid oxidation protects cancer cells from apoptosis by increasing mitochondrial membrane lipids. <i>Cell Reports</i> , 2022, 39, 110870.	6.4	31
86	Sorafenib inhibits endogenous and IL-6/S1P induced JAK2-STAT3 signaling in human neuroblastoma, associated with growth suppression and apoptosis. <i>Cancer Biology and Therapy</i> , 2012, 13, 349-357.	3.4	28
87	Inhibition of STAT3 signalling contributes to the antimelanoma action of atractylenolide $\text{IL-6}$ . <i>Experimental Dermatology</i> , 2014, 23, 855-857.	2.9	28
88	CD8 <sup>+</sup> T cell immunosurveillance constrains lymphoid premetastatic myeloid cell accumulation. <i>European Journal of Immunology</i> , 2015, 45, 71-81.	2.9	26
89	Sorafenib inhibits endogenous and IL-6/S1P induced JAK2-STAT3 signaling in human neuroblastoma, associated with growth suppression and apoptosis. <i>Cancer Biology and Therapy</i> , 2012, 13, 534-541.	3.4	25
90	Breaking through a Plateau in Renal Cell Carcinoma Therapeutics: Development and Incorporation of Biomarkers. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 3115-3125.	4.1	24

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91	Integrin $\alpha 6$ signaling induces STAT3-TET3-mediated hydroxymethylation of genes critical for maintenance of glioma stem cells. <i>Oncogene</i> , 2020, 39, 2156-2169.	5.9	23
92	A FEASIBILITY STUDY OF GENE GUN MEDIATED IMMUNOTHERAPY FOR RENAL CELL CARCINOMA. <i>Journal of Urology</i> , 1999, 162, 1259-1263.	0.4	19
93	Gene gun application in the generation of effector T cells for adoptive immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2000, 48, 635-643.	4.2	17
94	Sphingosine-1-Phosphate Receptor-1 Promotes Environment-Mediated and Acquired Chemoresistance. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2516-2527.	4.1	16
95	Signal Transducers and Activators of Transcription: Novel Targets for Anticancer Therapeutics. <i>Cancer Control</i> , 1999, 6, 1-7.	1.8	15
96	Clinical and Translational Assessment of VEGFR1 as a Mediator of the Premetastatic Niche in High-Risk Localized Prostate Cancer. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 2896-2900.	4.1	15
97	Myeloid Clusters Are Associated with a Pro-Metastatic Environment and Poor Prognosis in Smoking-Related Early Stage Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2013, 8, e5121.	2.5	15
98	An effective cell-penetrating antibody delivery platform. <i>JCI Insight</i> , 2019, 4, .	5.0	14
99	PARP Inhibition Activates STAT3 in Both Tumor and Immune Cells Underlying Therapy Resistance and Immunosuppression In Ovarian Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 724104.	2.8	13
100	Assessment of intracellular TAP $\alpha 1$ and TAP $\alpha 2$ in conjunction with surface MHC class I in plasma cells from patients with multiple myeloma. <i>British Journal of Haematology</i> , 1997, 98, 426-432.	2.5	11
101	Potent antitumor effects of cell-penetrating peptides targeting STAT3 axis. <i>JCI Insight</i> , 2021, 6, .	5.0	11
102	Constitutive Stat3 activity up-regulates VEGF expression and tumor angiogenesis. , 0, .		11
103	STAT3 activation in tumor cell-free lymph nodes predicts a poor prognosis for gastric cancer. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 1140-6.	0.5	11
104	Chinese Herbal Formula, Bing De Ling, Enhances Antitumor Effects and Ameliorates Weight Loss Induced by 5-Fluorouracil in the Mouse CT26 Tumor Model. <i>DNA and Cell Biology</i> , 2005, 24, 470-475.	1.9	8
105	Bing De Ling, a Chinese Herbal Formula, Stimulates Multifaceted Immunologic Responses in Mice. <i>DNA and Cell Biology</i> , 2000, 19, 515-520.	1.9	7
106	Deciphering the anticancer mechanisms of sunitinib. <i>Cancer Biology and Therapy</i> , 2010, 10, 712-714.	3.4	5
107	Alternative Pathways of Cell Death to Circumvent Pleiotropic Resistance in Myeloma Cells: Role of Cytotoxic T-Lymphocytes. <i>Leukemia and Lymphoma</i> , 2000, 38, 59-70.	1.3	2
108	Use of Gene Gun for Genetic Immunotherapy: In Vitro and In Vivo Methods. , 2001, 61, 223-240.		1

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109	Methylation of Stat1 Promoter Can Contribute to Squamous Cell Carcinogenesis. Journal of the National Cancer Institute, 2006, 98, 154-155.	6.3	1
110	IL-17 can promote tumor growth through an IL-6-Stat3 signaling pathway. Journal of Cell Biology, 2009, 186, i2-i2.	5.2	1
111	JAK/STAT Signaling in Myeloid Cells. , 2013, , 435-449.		0
112	STAT signaling as a molecular target for cancer therapy. , 0, , 305-312.		0
113	Abstract 2432: Somatic mutations in the STAT3 activation pathway are associated with improved survival in gynecologic malignancies and provide a molecular rationale for therapeutic targeting. , 2021, , .		0
114	STAT Proteins as Molecular Targets for Cancer Therapy. , 2003, , 645-661.		0
115	STAT3 and Src Signaling in Melanoma. , 2012, , 89-105.		0
116	Characterizing and Modulating the Tumor Microenvironment in Renal Cell Carcinoma: Potential Therapeutic Strategies. , 2012, , 239-252.		0
117	Extrafollicular CD4+ T and B Interaction Induces Chronic Gvhd in the Absence of Germinal Center Formation. Blood, 2015, 126, 1875-1875.	1.4	0
118	Cell Protein Tyrosine Phosphatase Restricts Intestinal Epithelial Cell Expression of the Oncogene Annexin A4. FASEB Journal, 2018, 32, 610.2.	0.5	0