

# Hua Yu

## List of Publications by Year in descending order

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118  
papers

25,346  
citations

23879

60  
h-index

27587

110  
g-index

121  
all docs

121  
docs citations

121  
times ranked

31356  
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.	12.8	3,503
2	The STATs of cancer – new molecular targets come of age. <i>Nature Reviews Cancer</i> , 2004, 4, 97-105.	12.8	2,084
3	Revisiting STAT3 signalling in cancer: new and unexpected biological functions. <i>Nature Reviews Cancer</i> , 2014, 14, 736-746.	12.8	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.	10.6	1,588
5	Constitutive Stat3 activity up-regulates VEGF expression and tumor angiogenesis. <i>Oncogene</i> , 2002, 21, 2000-2008.	2.6	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.	15.2	1,029
7	Inhibiting Stat3 signaling in the hematopoietic system elicits multicomponent antitumor immunity. <i>Nature Medicine</i> , 2005, 11, 1314-1321.	15.2	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.	4.2	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.	2.6	677
10	Persistently Activated Stat3 Maintains Constitutive NF- $\kappa$ B Activity in Tumors. <i>Cancer Cell</i> , 2009, 15, 283-293.	7.7	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.	2.6	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.	7.2	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.	0.4	514
14	The JAK2 Inhibitor AZD1480 Potently Blocks Stat3 Signaling and Oncogenesis in Solid Tumors. <i>Cancer Cell</i> , 2009, 16, 487-497.	7.7	478
15	Stat3 mediates myeloid cell–dependent tumor angiogenesis in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3367-3377.	3.9	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.	0.4	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.	7.7	431
18	Roles of activated Src and Stat3 signaling in melanoma tumor cell growth. <i>Oncogene</i> , 2002, 21, 7001-7010.	2.6	391

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19	A Critical Role for Stat3 Signaling in Immune Tolerance. <i>Immunity</i> , 2003, 19, 425-436.	6.6	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.	9.4	352
21	STAT3-induced S1PR1 expression is crucial for persistent STAT3 activation in tumors. <i>Nature Medicine</i> , 2010, 16, 1421-1428.	15.2	346
22	Role of Stat3 in Regulating p53 Expression and Function. <i>Molecular and Cellular Biology</i> , 2005, 25, 7432-7440.	1.1	342
23	Targeting STAT3 affects melanoma on multiple fronts. <i>Cancer and Metastasis Reviews</i> , 2005, 24, 315-327.	2.7	255
24	S1PR1-STAT3 Signaling Is Crucial for Myeloid Cell Colonization at Future Metastatic Sites. <i>Cancer Cell</i> , 2012, 21, 642-654.	7.7	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.	7.2	201
26	Tumour ischaemia by interferon- $\beta$ resembles physiological blood vessel regression. <i>Nature</i> , 2017, 545, 98-102.	13.7	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.	3.3	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.	2.6	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.	0.4	169
30	Role of Stat3 in suppressing anti-tumor immunity. <i>Current Opinion in Immunology</i> , 2008, 20, 228-233.	2.4	166
31	Stat3 inhibition activates tumor macrophages and abrogates glioma growth in mice. <i>Glia</i> , 2009, 57, 1458-1467.	2.5	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.	1.5	162
33	IL-17 Enhances Tumor Development in Carcinogen-Induced Skin Cancer. <i>Cancer Research</i> , 2010, 70, 10112-10120.	0.4	157
34	Quercetin exerts anti-melanoma activities and inhibits STAT3 signaling. <i>Biochemical Pharmacology</i> , 2014, 87, 424-434.	2.0	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.	1.9	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.	2.6	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.	0.4	126
38	CTLA4 aptamer delivers STAT3 siRNA to tumor-associated and malignant T cells. <i>Journal of Clinical Investigation</i> , 2014, 124, 2977-2987.	3.9	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.	0.3	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.	6.6	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.	0.4	118
42	B Cells Promote Tumor Progression via STAT3 Regulated-Angiogenesis. <i>PLoS ONE</i> , 2013, 8, e64159.	1.1	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.	0.4	117
44	Antiangiogenic and Antimetastatic Activity of JAK Inhibitor AZD1480. <i>Cancer Research</i> , 2011, 71, 6601-6610.	0.4	109
45	Critical Role of STAT3 in IL-6-Mediated Drug Resistance in Human Neuroblastoma. <i>Cancer Research</i> , 2013, 73, 3852-3864.	0.4	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.	0.4	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.	3.3	107
48	Inhibition of the STAT3 signaling pathway contributes to apigenin-mediated anti-metastatic effect in melanoma. <i>Scientific Reports</i> , 2016, 6, 21731.	1.6	107
49	Anti-CD40 Antibody Induces Antitumor and Antimetastatic Effects: The Role of NK Cells. <i>Journal of Immunology</i> , 2001, 166, 89-94.	0.4	103
50	TLR9-mediated siRNA delivery for targeting of normal and malignant human hematopoietic cells in vivo. <i>Blood</i> , 2013, 121, 1304-1315.	0.6	103
51	STAT3: A Target to Enhance Antitumor Immune Response. <i>Current Topics in Microbiology and Immunology</i> , 2010, 344, 41-59.	0.7	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.	1.5	95
53	STAT3 Inhibition Is a Therapeutic Strategy for ABC-like Diffuse Large B-Cell Lymphoma. <i>Cancer Research</i> , 2011, 71, 3182-3188.	0.4	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.	0.6	94

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55	Stat3 as a Potential Target for Cancer Immunotherapy. <i>Journal of Immunotherapy</i> , 2007, 30, 131-139.	1.2	80
56	S1PR1 Is Crucial for Accumulation of Regulatory T Cells in Tumors via STAT3. <i>Cell Reports</i> , 2014, 6, 992-999.	2.9	80
57	Icaritin Inhibits JAK/STAT3 Signaling and Growth of Renal Cell Carcinoma. <i>PLoS ONE</i> , 2013, 8, e81657.	1.1	76
58	Activation of microglial cells by the CD40 pathway: relevance to multiple sclerosis. <i>Journal of Neuroimmunology</i> , 1999, 97, 77-85.	1.1	73
59	STAT3 in CD8+ T Cells Inhibits Their Tumor Accumulation by Downregulating CXCR3/CXCL10 Axis. <i>Cancer Immunology Research</i> , 2015, 3, 864-870.	1.6	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. <i>Molecular Oncology</i> , 2013, 7, 369-378.	2.1	69
61	Activated Stat-3 in Melanoma. <i>Cancer Control</i> , 2008, 15, 196-201.	0.7	62
62	TLR9 Is Critical for Glioma Stem Cell Maintenance and Targeting. <i>Cancer Research</i> , 2014, 74, 5218-5228.	0.4	60
63	Extrafollicular CD4+ T-B interactions are sufficient for inducing autoimmune-like chronic graft-versus-host disease. <i>Nature Communications</i> , 2017, 8, 978.	5.8	58
64	Prognostic Significance of B-Cells and pSTAT3 in Patients with Ovarian Cancer. <i>PLoS ONE</i> , 2013, 8, e54029.	1.1	56
65	Antitumor Activity of Targeting Src Kinases in Endothelial and Myeloid Cell Compartments of the Tumor Microenvironment. <i>Clinical Cancer Research</i> , 2010, 16, 924-935.	3.2	53
66	Src activation in melanoma and Src inhibitors as therapeutic agents in melanoma. <i>Melanoma Research</i> , 2009, 19, 167-175.	0.6	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. <i>Journal of Biological Chemistry</i> , 2013, 288, 13842-13849.	1.6	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. <i>Human Gene Therapy</i> , 1998, 9, 1121-1130.	1.4	46
69	Molecular Cloning and Characterization of the Human AKT1 Promoter Uncovers Its Up-regulation by the Src/Stat3 Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 38932-38941.	1.6	43
70	Activated Signal Transducers and Activators of Transcription 3 Signaling Induces CD46 Expression and Protects Human Cancer Cells from Complement-Dependent Cytotoxicity. <i>Molecular Cancer Research</i> , 2007, 5, 823-832.	1.5	43
71	Humanized Lewis-Y Specific Antibody Based Delivery of <i>STAT3</i> siRNA. <i>ACS Chemical Biology</i> , 2011, 6, 962-970.	1.6	41
72	Cytokine-Based Tumor Cell Vaccine Is Equally Effective Against Parental and Isogenic Multidrug-Resistant Myeloma Cells: The Role of Cytotoxic T Lymphocytes. <i>Blood</i> , 1999, 93, 1831-1837.	0.6	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.	7.7	40
74	CD44 in Ovarian Cancer Progression and Therapy Resistance—A Critical Role for STAT3. <i>Frontiers in Oncology</i> , 2020, 10, 589601.	1.3	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.	1.9	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.	0.4	38
77	Interferon- $\gamma$ -Inducing Factor Elicits Antitumor Immunity Association with Interferon- $\gamma$ Production. <i>Journal of Immunotherapy</i> , 1998, 21, 48-55.	1.2	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.	2.2	35
79	Metastasis-Entrained Eosinophils Enhance Lymphocyte-Mediated Antitumor Immunity. <i>Cancer Research</i> , 2021, 81, 5555-5571.	0.4	35
80	CTLA4 Promotes Tyk2-STAT3-Dependent B-cell Oncogenicity. <i>Cancer Research</i> , 2017, 77, 5118-5128.	0.4	34
81	Reduced IL-6 levels and tumor-associated phospho-STAT3 are associated with reduced tumor development in a mouse model of lung cancer chemoprevention with inositol. <i>International Journal of Cancer</i> , 2018, 142, 1405-1417.	2.3	33
82	T cell recognition of endogenous IgG2a expressed in B lymphoma cells. <i>European Journal of Immunology</i> , 1988, 18, 341-348.	1.6	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.	4.1	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, .	5.8	31
85	Fatty acid oxidation protects cancer cells from apoptosis by increasing mitochondrial membrane lipids. <i>Cell Reports</i> , 2022, 39, 110870.	2.9	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.	1.5	28
87	Inhibition of STAT3 signalling contributes to the antimelanoma action of atractylenolide IL-6. <i>Experimental Dermatology</i> , 2014, 23, 855-857.	1.4	28
88	CD8 <sup>+</sup> T cell immunosurveillance constrains lymphoid premetastatic myeloid cell accumulation. <i>European Journal of Immunology</i> , 2015, 45, 71-81.	1.6	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.	1.5	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.	1.9	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.	2.6	23
92	A FEASIBILITY STUDY OF GENE GUN MEDIATED IMMUNOTHERAPY FOR RENAL CELL CARCINOMA. <i>Journal of Urology</i> , 1999, 162, 1259-1263.	0.2	19
93	Gene gun application in the generation of effector T cells for adoptive immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2000, 48, 635-643.	2.0	17
94	Sphingosine-1-Phosphate Receptor-1 Promotes Environment-Mediated and Acquired Chemoresistance. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2516-2527.	1.9	16
95	Signal Transducers and Activators of Transcription: Novel Targets for Anticancer Therapeutics. <i>Cancer Control</i> , 1999, 6, 1-7.	0.7	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.	1.9	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.	1.1	15
98	An effective cell-penetrating antibody delivery platform. <i>JCI Insight</i> , 2019, 4, .	2.3	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.	1.3	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.	1.2	11
101	Potent antitumor effects of cell-penetrating peptides targeting STAT3 axis. <i>JCI Insight</i> , 2021, 6, .	2.3	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.	0.9	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.	0.9	7
106	Deciphering the anticancer mechanisms of sunitinib. <i>Cancer Biology and Therapy</i> , 2010, 10, 712-714.	1.5	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.	0.6	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.	3.0	1
110	IL-17 can promote tumor growth through an IL-6-Stat3 signaling pathway. Journal of Cell Biology, 2009, 186, i2-i2.	2.3	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.	0.6	0
118	Cell Protein Tyrosine Phosphatase Restricts Intestinal Epithelial Cell Expression of the Oncogene Annexin A4. FASEB Journal, 2018, 32, 610.2.	0.2	0