

# Qiang Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

4,490  
citations

87888

38  
h-index

106344

65  
g-index

105  
all docs

105  
docs citations

105  
times ranked

7390  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer drug delivery in the nano era: An overview and perspectives. <i>Oncology Reports</i> , 2017, 38, 611-624.	2.6	310
2	The role of STAT3 in leading the crosstalk between human cancers and the immune system. <i>Cancer Letters</i> , 2018, 415, 117-128.	7.2	237
3	Transcription Factor STAT3 as a Novel Molecular Target for Cancer Prevention. <i>Cancers</i> , 2014, 6, 926-957.	3.7	234
4	Small Molecule Inhibitors Targeting Activator Protein 1 (AP-1). <i>Journal of Medicinal Chemistry</i> , 2014, 57, 6930-6948.	6.4	195
5	Gemcitabine treatment promotes pancreatic cancer stemness through the Nox/ROS/NF- $\kappa$ B/STAT3 signaling cascade. <i>Cancer Letters</i> , 2016, 382, 53-63.	7.2	134
6	Discovery and development of natural product oridonin-inspired anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 102-117.	5.5	132
7	TRPM7 mediates breast cancer cell migration and invasion through the MAPK pathway. <i>Cancer Letters</i> , 2013, 333, 96-102.	7.2	130
8	Activation of STAT3 and Bcl-2 and reduction of reactive oxygen species (ROS) promote radioresistance in breast cancer and overcome of radioresistance with niclosamide. <i>Oncogene</i> , 2018, 37, 5292-5304.	5.9	122
9	Effect of cadmium on oxidative stress and immune function of common carp ( <i>Cyprinus carpio</i> L.) by transcriptome analysis. <i>Aquatic Toxicology</i> , 2017, 192, 171-177.	4.0	121
10	Up-regulation of glycolysis promotes the stemness and EMT phenotypes in gemcitabine-resistant pancreatic cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2055-2067.	3.6	119
11	The AP-1 transcription factor regulates breast cancer cell growth via cyclins and E2F factors. <i>Oncogene</i> , 2008, 27, 366-377.	5.9	113
12	Discovery of <i>O</i> -Alkylamino-Tethered Niclosamide Derivatives as Potent and Orally Bioavailable Anticancer Agents. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 180-185.	2.8	108
13	Novel Nitrogen-Enriched Oridonin Analogues with Thiazole-Fused A-Ring: Protecting Group-Free Synthesis, Enhanced Anticancer Profile, and Improved Aqueous Solubility. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5048-5058.	6.4	97
14	Downregulation of ACE2/Ang-(1-7)/Mas axis promotes breast cancer metastasis by enhancing store-operated calcium entry. <i>Cancer Letters</i> , 2016, 376, 268-277.	7.2	92
15	Fragment-based drug design and identification of HJC0123, a novel orally bioavailable STAT3 inhibitor for cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 498-507.	5.5	91
16	Mitochondrial Ca <sup>2+</sup> uniporter is critical for store-operated Ca <sup>2+</sup> entry-dependent breast cancer cell migration. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 186-193.	2.1	90
17	Effect of Epidermal Growth Factor Receptor Inhibitor on Development of Estrogen Receptor-Negative Mammary Tumors. <i>Journal of the National Cancer Institute</i> , 2003, 95, 1825-1833.	6.3	89
18	Therapeutic Potential of Oridonin and Its Analogs: From Anticancer and Antiinflammation to Neuroprotection. <i>Molecules</i> , 2018, 23, 474.	3.8	85

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19	Humanized NOD-SCID IL2rg $\alpha/\beta$ mice as a preclinical model for cancer research and its potential use for individualized cancer therapies. <i>Cancer Letters</i> , 2014, 344, 13-19.	7.2	80
20	Knockdown of lncRNA H19 restores chemo-sensitivity in paclitaxel-resistant triple-negative breast cancer through triggering apoptosis and regulating Akt signaling pathway. <i>Toxicology and Applied Pharmacology</i> , 2018, 359, 55-61.	2.8	80
21	Chlorpyrifos exposure in common carp ( <i>Cyprinus carpio</i> L.) leads to oxidative stress and immune responses. <i>Fish and Shellfish Immunology</i> , 2017, 67, 604-611.	3.6	78
22	Novel roles of reactive oxygen species in the pathogenesis of acute myeloid leukemia. <i>Journal of Leukocyte Biology</i> , 2013, 94, 423-429.	3.3	77
23	The microRNAs miR-200b-3p and miR-429-5p target the LIMK1/CFL1 pathway to inhibit growth and motility of breast cancer cells. <i>Oncotarget</i> , 2017, 8, 85276-85289.	1.8	70
24	cFos is critical for MCF-7 breast cancer cell growth. <i>Oncogene</i> , 2005, 24, 6516-6524.	5.9	64
25	Oridonin Ring A-Based Diverse Constructions of Enone Functionality: Identification of Novel Dienone Analogues Effective for Highly Aggressive Breast Cancer by Inducing Apoptosis. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8814-8825.	6.4	64
26	AP-1 blockade in breast cancer cells causes cell cycle arrest by suppressing G1 cyclin expression and reducing cyclin-dependent kinase activity. <i>Oncogene</i> , 2004, 23, 8238-8246.	5.9	63
27	Targeting STAT3/miR-21 axis inhibits epithelial-mesenchymal transition via regulating CDK5 in head and neck squamous cell carcinoma. <i>Molecular Cancer</i> , 2015, 14, 213.	19.2	63
28	Novel agents for the prevention of breast cancer: targeting transcription factors and signal transduction pathways. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2003, 8, 45-73.	2.7	62
29	Overcoming Synthetic Challenges of Oridonin A-Ring Structural Diversification: Regio- and Stereoselective Installation of Azides and 1,2,3-Triazoles at the C-1, C-2, or C-3 Position. <i>Organic Letters</i> , 2013, 15, 3718-3721.	4.6	55
30	Mitochondrial calcium uniporter as a target of microRNA-340 and promoter of metastasis via enhancing the Warburg effect. <i>Oncotarget</i> , 2017, 8, 83831-83844.	1.8	55
31	Molecular cloning of a cDNA encoding the neuropeptides APGWamide and cerebral peptide 1: Localization of APGWamide-like immunoreactivity in the central nervous system and male reproductive organs of <i>Aplysia</i> . , 1997, 387, 53-62.		54
32	Oridonin and its derivatives for cancer treatment and overcoming therapeutic resistance. <i>Genes and Diseases</i> , 2021, 8, 448-462.	3.4	54
33	Discovery of potent anticancer agent HJC0416, an orally bioavailable small molecule inhibitor of signal transducer and activator of transcription 3 (STAT3). <i>European Journal of Medicinal Chemistry</i> , 2014, 82, 195-203.	5.5	52
34	Oxidative Stress Upregulates PDCD4 Expression in Patients with Gastric Cancer via miR-21. <i>Current Pharmaceutical Design</i> , 2014, 20, 1917-1923.	1.9	52
35	The Rexinoid LG100268 Prevents the Development of Preinvasive and Invasive Estrogen Receptor $\alpha$ -Negative Tumors in MMTV-erbB2 Mice. <i>Clinical Cancer Research</i> , 2007, 13, 6224-6231.	7.0	46
36	Effect of Lapatinib on the Development of Estrogen Receptor $\alpha$ -Negative Mammary Tumors in Mice. <i>Journal of the National Cancer Institute</i> , 2009, 101, 107-113.	6.3	46

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37	Suppression of the Growth and Invasion of Human Head and Neck Squamous Cell Carcinomas via Regulating STAT3 Signaling and the miR-21/ $\beta$ -catenin Axis with HJC0152. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 578-590.	4.1	45
38	Traditional Chinese medicine targeting apoptotic mechanisms for esophageal cancer therapy. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 295-302.	6.1	43
39	Peiminine inhibits colorectal cancer cell proliferation by inducing apoptosis and autophagy and modulating key metabolic pathways. <i>Oncotarget</i> , 2017, 8, 47619-47631.	1.8	43
40	ent-Kaurane-based regio- and stereoselective inverse electron demand hetero-Diels-Alder reactions: synthesis of dihydropyran-fused diterpenoids. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8442-8452.	2.8	41
41	ROS/KRAS/AMPK Signaling Contributes to Gemcitabine-Induced Stem-like Cell Properties in Pancreatic Cancer. <i>Molecular Therapy - Oncolytics</i> , 2019, 14, 299-312.	4.4	40
42	Multiple myeloma cell-derived IL-32 $\beta$ increases the immunosuppressive function of macrophages by promoting indoleamine 2,3-dioxygenase (IDO) expression. <i>Cancer Letters</i> , 2019, 446, 38-48.	7.2	39
43	Value of folate receptor-positive circulating tumour cells in the clinical management of indeterminate lung nodules: A non-invasive biomarker for predicting malignancy and tumour invasiveness. <i>EBioMedicine</i> , 2019, 41, 236-243.	6.1	38
44	MiR-519d-3p suppresses breast cancer cell growth and motility via targeting LIM domain kinase 1. <i>Molecular and Cellular Biochemistry</i> , 2018, 444, 169-178.	3.1	36
45	The AP-1 transcription factor regulates postnatal mammary gland development. <i>Developmental Biology</i> , 2006, 295, 589-603.	2.0	35
46	The retinoid bexarotene represses cyclin D1 transcription by inducing the DEC2 transcriptional repressor. <i>Breast Cancer Research and Treatment</i> , 2011, 128, 667-677.	2.5	34
47	High glucose promotes pancreatic cancer cells to escape from immune surveillance via AMPK-Bmi1-GATA2-MICA/B pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 192.	8.6	33
48	The microRNA miR-181c enhances chemosensitivity and reduces chemoresistance in breast cancer cells via down-regulating osteopontin. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 544-556.	7.5	33
49	Regio- and Stereospecific Synthesis of Oridonin D-Ring Aziridinated Analogues for the Treatment of Triple-Negative Breast Cancer via Mediated Irreversible Covalent Warheads. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2737-2752.	6.4	32
50	Dendritic Cells Loaded with Pancreatic Cancer Stem Cells (CSCs) Lysates Induce Antitumor Immune Killing Effect In Vitro. <i>PLoS ONE</i> , 2014, 9, e114581.	2.5	31
51	Polydatin down-regulates the phosphorylation level of Creb and induces apoptosis in human breast cancer cell. <i>PLoS ONE</i> , 2017, 12, e0176501.	2.5	31
52	Targeting the NRF-2/RHOA/ROCK signaling pathway with a novel aziridonin, YD0514, to suppress breast cancer progression and lung metastasis. <i>Cancer Letters</i> , 2018, 424, 97-108.	7.2	30
53	Retinoid-induced Expression of IGFBP-6 Requires RAR $\beta$ -dependent Permissive Cooperation of Retinoid Receptors and AP-1. <i>Journal of Biological Chemistry</i> , 2009, 284, 345-353.	3.4	26
54	Transgenic mouse models for the prevention of breast cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 576, 93-110.	1.0	25

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55	HJC0152 suppresses human non-small cell lung cancer by inhibiting STAT3 and modulating metabolism. <i>Cell Proliferation</i> , 2020, 53, e12777.	5.3	24
56	Qigesan inhibits migration and invasion of esophageal cancer cells via inducing connexin expression and enhancing gap junction function. <i>Cancer Letters</i> , 2016, 380, 184-190.	7.2	21
57	GRB2 enforces homology-directed repair initiation by MRE11. <i>Science Advances</i> , 2021, 7, .	10.3	21
58	Targeting the Activator Protein 1 Transcription Factor for the Prevention of Estrogen Receptor-Negative Mammary Tumors. <i>Cancer Prevention Research</i> , 2008, 1, 45-55.	1.5	20
59	Calcium-sensing stromal interaction molecule 2 upregulates nuclear factor of activated T cells 1 and transforming growth factor- $\beta^2$ signaling to promote breast cancer metastasis. <i>Breast Cancer Research</i> , 2019, 21, 99.	5.0	19
60	Combination chemotherapy of valproic acid (VPA) and gemcitabine regulates STAT3/Bmi1 pathway to differentially potentiate the motility of pancreatic cancer cells. <i>Cell and Bioscience</i> , 2019, 9, 50.	4.8	19
61	Bmi1 inhibition enhances the sensitivity of pancreatic cancer cells to gemcitabine. <i>Oncotarget</i> , 2016, 7, 37192-37204.	1.8	18
62	Hepatic Ischemic Preconditioning Alleviates Ischemia-Reperfusion Injury by Decreasing TIM4 Expression. <i>International Journal of Biological Sciences</i> , 2018, 14, 1186-1195.	6.4	15
63	Structure-activity relationship studies on Bax activator SMBA1 for the treatment of ER-positive and triple-negative breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 589-605.	5.5	12
64	Identification of a novel SP3 binding site in the promoter of human IGFBP4 gene: role of SP3 and AP-1 in regulating promoter activity in CaCo2 cells. <i>Oncogene</i> , 2004, 23, 2454-2464.	5.9	8
65	Macranthoidin B Modulates Key Metabolic Pathways to Enhance ROS Generation and Induce Cytotoxicity and Apoptosis in Colorectal Cancer. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 1317-1330.	1.6	8
66	Pancreatic stromal Gremlin 1 expression during pancreatic tumorigenesis. <i>Genes and Diseases</i> , 2022, 9, 108-115.	3.4	7
67	Further lead optimization on Bax activators: Design, synthesis and pharmacological evaluation of 2-fluoro-fluorene derivatives for the treatment of breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113427.	5.5	7
68	A novel STAT3 inhibitor, HJC0152, exerts potent antitumor activity in glioblastoma. <i>American Journal of Cancer Research</i> , 2019, 9, 699-713.	1.4	7
69	Efficacy and Safety of Nedaplatin in Advanced Breast Cancer Therapy. <i>Cancer Investigation</i> , 2016, 34, 167-172.	1.3	6
70	Characteristic pancreatic and splenic immune cell infiltration patterns in mouse acute pancreatitis. <i>Cell and Bioscience</i> , 2021, 11, 28.	4.8	6
71	Mechanistic Evaluation and Translational Signature of Gemcitabine-induced Chemoresistance by Quantitative Phosphoproteomics Analysis with iTRAQ Labeling Mass Spectrometry. <i>Scientific Reports</i> , 2017, 7, 12891.	3.3	5
72	Exploring cisplatin resistance in ovarian cancer through integrated bioinformatics approach and overcoming chemoresistance with sanguinarine. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 923-939.	0.0	5

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73	Expression of interleukin-32 in bone marrow of patients with myeloma and its prognostic significance. World Journal of Clinical Cases, 2019, 7, 4234-4244.	0.8	3
74	Abstract 3: Discovery and optimization of small molecule Bax activators for cancer therapy. , 2019, , .		2
75	Editorial: "Non-Coding RNAs in Head and Neck Squamous Cell Carcinoma". Frontiers in Oncology, 2021, 11, 785001.	2.8	2
76	Abstract P6-12-04: Targeting STAT3 with novel small molecule inhibitors to sensitize breast cancer cells to radiation therapy. , 2015, , .		1
77	Abstract P1-02-08: Reprogramming glucose metabolism and energy production in breast cancer cells. , 2018, , .		1
78	Abstract A95: KCNK5 regulates proliferation of ER-negative breast cancer cells. , 2010, , .		1
79	Abstract B85: Role of the TASK2 in regulating breast cancer cell proliferation. , 2011, , .		1
80	Abstract 5066: Chemoprevention of breast cancer by targeting glucose metabolism with HJC0152. , 2019, , .		1
81	Structure-activity relationship studies on O-alkylamino-tethered salicylamide derivatives with various amino acid linkers as potent anticancer agents. European Journal of Medicinal Chemistry, 2022, 234, 114229.	5.5	1
82	Cellular crosstalk mediating immune evasion in pancreatic cancer microenvironment. Annals of Pancreatic Cancer, 0, 2, 13-13.	1.2	0
83	Distinct Murine Pancreatic Transcriptomic Signatures during Chronic Pancreatitis Recovery. Mediators of Inflammation, 2021, 2021, 1-13.	3.0	0
84	Abstract 1238: Treating estrogen receptor (ER)-negative and triple-negative breast cancer by targeting STAT3 signaling with putative STAT3 inhibitors. , 2021, , .		0
85	Abstract 1239: Putative Bax activators GL0385 and GL0388 for targeted breast cancer therapy. , 2021, , .		0
86	Abstract B82: The TASK2 potassium ion channel is differentially expressed in ER-negative breast cancer. , 2010, , .		0
87	Abstract B63: Developing Novel STAT3 Inhibitors for the Treatment and Prevention of Cancer. Cancer Prevention Research, 2012, 5, B63-B63.	1.5	0
88	Abstract 5573: Discovery of potent oridonin derivatives for the treatment of breast cancer.. , 2013, , .		0
89	Abstract 872: Novel potent and orally active STAT3 inhibitors for cancer therapies.. , 2013, , .		0
90	Abstract 2267: Natural product-inspired drug discovery: Chemistry and biology of oridonin analogs with unique scaffolds and enhanced anticancer profiles .. , 2013, , .		0

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91	Abstract B33: Target STAT3 signaling for the prevention of ER-negative breast cancer. , 2013, , .		0
92	Abstract 5317: Photonic crystal microarray sensing of breast cancer cell line lysates. , 2014, , .		0
93	Abstract 3805: Anticancer agent HJC0416 inhibits the growth of breast cancer xenografts via downregulating STAT3 signaling. , 2014, , .		0
94	Abstract 329: Reprogramming glucose metabolism and energy production with a small molecule HJC0152 suppresses breast cancer development and progression to metastasis. , 2016, , .		0
95	Abstract 9: Suppression of the invasion and growth of human head and neck squamous cell carcinomas via regulating STAT3 signaling and miR-21/β <sup>2</sup> -catenin axis with HJC0152. , 2017, , .		0
96	Abstract LB-299: Glucose metabolism modulator HJC0152 differentially regulates glycolytic enzymes to suppress breast carcinogenesis. , 2017, , .		0
97	Abstract P5-21-19: Suppression of breast carcinogenesis and metastasis by targeting glucose metabolism with HJC0152. , 2018, , .		0
98	Abstract P3-06-09: Discovery of novel oridonin-derivatives for the treatment of metastatic breast cancer. , 2018, , .		0
99	Abstract 4883: Suppression of breast cancer by reprogramming glucose metabolism and energy production with HJC0152. , 2018, , .		0
100	Abstract 2668: Regio- and stereospecific synthesis of oridonin D-ring aziridinated analogues for the treatment of triple-negative breast cancer via mediated irreversible covalent warheads. , 2018, , .		0
101	Abstract P2-06-13: A novel small molecule JMX0293 inhibits the growth of triple-negative breast cancer via suppressing STAT3 and inducing apoptosis. , 2019, , .		0
102	Abstract P6-03-19: Oridonals reverse chemoresistance in breast cancer cells by targeting STAT3. , 2020, , .		0
103	Abstract 19: Examination of HJC0152, a putative modulator of glucose and energy metabolism, for mammary cancer prevention. , 2020, , .		0
104	Abstract 3: Discovery and optimization of small molecule Bax activators for cancer therapy. , 2019, , .		0