

# Zhihai Qin

## List of Publications by Year in descending order

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85  
papers

4,590  
citations

147566

31  
h-index

110170

64  
g-index

86  
all docs

86  
docs citations

86  
times ranked

7027  
citing authors

#	ARTICLE	IF	CITATIONS
1	CD4 + T Cell-Mediated Tumor Rejection Involves Inhibition of Angiogenesis that Is Dependent on IFN $\gamma$ Receptor Expression by Nonhematopoietic Cells. <i>Immunity</i> , 2000, 12, 677-686.	6.6	461
2	B cells inhibit induction of T cell-dependent tumor immunity. <i>Nature Medicine</i> , 1998, 4, 627-630.	15.2	387
3	TNF signaling drives myeloid-derived suppressor cell accumulation. <i>Journal of Clinical Investigation</i> , 2012, 122, 4094-4104.	3.9	302
4	Designing Liposomes To Suppress Extracellular Matrix Expression To Enhance Drug Penetration and Pancreatic Tumor Therapy. <i>ACS Nano</i> , 2017, 11, 8668-8678.	7.3	175
5	Lipid droplet-dependent fatty acid metabolism controls the immune suppressive phenotype of tumor-associated macrophages. <i>EMBO Molecular Medicine</i> , 2019, 11, e10698.	3.3	174
6	A critical requirement of interferon gamma-mediated angiostasis for tumor rejection by CD8+ T cells. <i>Cancer Research</i> , 2003, 63, 4095-100.	0.4	171
7	Macrophages induce AKT/ $\beta$ -catenin-dependent Lgr5+ stem cell activation and hair follicle regeneration through TNF. <i>Nature Communications</i> , 2017, 8, 14091.	5.8	166
8	Peptide Assembly Integration of Fibroblast-Targeting and Cell Penetration Features for Enhanced Antitumor Drug Delivery. <i>Advanced Materials</i> , 2015, 27, 1865-1873.	11.1	158
9	Transformable Peptide Nanocarriers for Expedient Drug Release and Effective Cancer Therapy via Cancer-Associated Fibroblast Activation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1050-1055.	7.2	153
10	Tumor Rejection by Disturbing Tumor Stroma Cell Interactions. <i>Journal of Experimental Medicine</i> , 2001, 194, 1549-1560.	4.2	136
11	S100A4 promotes liver fibrosis via activation of hepatic stellate cells. <i>Journal of Hepatology</i> , 2015, 62, 156-164.	1.8	133
12	Macrophagic CD146 promotes foam cell formation and retention during atherosclerosis. <i>Cell Research</i> , 2017, 27, 352-372.	5.7	113
13	Intratumoral Delivery of IL-21 Overcomes Anti-Her2/Neu Resistance through Shifting Tumor-Associated Macrophages from M2 to M1 Phenotype. <i>Journal of Immunology</i> , 2015, 194, 4997-5006.	0.4	108
14	Metabolic reprogramming of cancer-associated fibroblasts and its effect on cancer cell reprogramming. <i>Theranostics</i> , 2021, 11, 8322-8336.	4.6	100
15	TNF Receptor 2 Makes Tumor Necrosis Factor a Friend of Tumors. <i>Frontiers in Immunology</i> , 2018, 9, 1170.	2.2	99
16	IFN $\gamma$ Promotes Papilloma Development by Up-regulating Th17-Associated Inflammation. <i>Cancer Research</i> , 2009, 69, 2010-2017.	0.4	96
17	Tie2 Expression on Macrophages Is Required for Blood Vessel Reconstruction and Tumor Relapse after Chemotherapy. <i>Cancer Research</i> , 2016, 76, 6828-6838.	0.4	75
18	Inhibition of Methylcholanthrene-induced Carcinogenesis by an Interferon $\gamma$ Receptor-dependent Foreign Body Reaction. <i>Journal of Experimental Medicine</i> , 2002, 195, 1479-1490.	4.2	71

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19	S100A4+ Macrophages Are Necessary for Pulmonary Fibrosis by Activating Lung Fibroblasts. <i>Frontiers in Immunology</i> , 2018, 9, 1776.	2.2	65
20	Enhanced Natural Killer Cell Immunotherapy by Rationally Assembling Fc Fragments of Antibodies onto Tumor Membranes. <i>Advanced Materials</i> , 2019, 31, e1804395.	11.1	62
21	S100A4 enhances protumor macrophage polarization by control of PPAR- $\beta$ -dependent induction of fatty acid oxidation. , 2021, 9, e002548.		62
22	Tight junctions in the blood-brain barrier promote edema formation and infarct size in stroke - Ambivalent effects of sealing proteins. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 132-145.	2.4	58
23	Extracellular S100A4 as a key player in fibrotic diseases. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 5973-5983.	1.6	45
24	FSP1+ fibroblast subpopulation is essential for the maintenance and regeneration of medullary thymic epithelial cells. <i>Scientific Reports</i> , 2015, 5, 14871.	1.6	44
25	Tumor Microenvironment Activated Membrane Fusogenic Liposome with Speedy Antibody and Doxorubicin Delivery for Synergistic Treatment of Metastatic Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9315-9326.	4.0	42
26	Cooperatively Responsive Peptide Nanotherapeutic that Regulates Angiotensin Receptor Tie2 Activity in Tumor Microenvironment To Prevent Breast Tumor Relapse after Chemotherapy. <i>ACS Nano</i> , 2019, 13, 5091-5102.	7.3	41
27	Polysaccharide from <i>Lentinus edodes</i> Inhibits the Immunosuppressive Function of Myeloid-Derived Suppressor Cells. <i>PLoS ONE</i> , 2012, 7, e51751.	1.1	40
28	S100A4 promotes lung tumor development through $\beta$ -catenin pathway-mediated autophagy inhibition. <i>Cell Death and Disease</i> , 2018, 9, 277.	2.7	39
29	Myeloid-derived suppressor cells promote B-cell production of IgA in a TNFR2-dependent manner. <i>Cellular and Molecular Immunology</i> , 2017, 14, 597-606.	4.8	36
30	Doxorubicin-induced cardiotoxicity involves IFN- $\gamma$ -mediated metabolic reprogramming in cardiomyocytes. <i>Journal of Pathology</i> , 2019, 247, 320-332.	2.1	36
31	Oleate but not stearate induces the regulatory phenotype of myeloid suppressor cells. <i>Scientific Reports</i> , 2017, 7, 7498.	1.6	35
32	Curcumin promotes cancer-associated fibroblasts apoptosis via ROS-mediated endoplasmic reticulum stress. <i>Archives of Biochemistry and Biophysics</i> , 2020, 694, 108613.	1.4	35
33	A Myeloid Cell Population Induced by Freund Adjuvant Suppresses T-cell-mediated Antitumor Immunity. <i>Journal of Immunotherapy</i> , 2010, 33, 167-177.	1.2	34
34	TNF Neutralization Results in the Delay of Transplantable Tumor Growth and Reduced MDSC Accumulation. <i>Frontiers in Immunology</i> , 2016, 7, 147.	2.2	34
35	Interferon- $\beta$ Safeguards Blood-Brain Barrier during Experimental Autoimmune Encephalomyelitis. <i>American Journal of Pathology</i> , 2014, 184, 3308-3320.	1.9	32
36	Rational Design of Nanoparticles to Overcome Poor Tumor Penetration and Hypoxia-Induced Chemotherapy Resistance: Combination of Optimizing Size and Self-Inducing High Level of Reactive Oxygen Species. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31743-31754.	4.0	32

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37	Inhibiting collagen I production and tumor cell colonization in the lung via miR-29a-3p loading of exosome-/liposome-based nanovesicles. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 939-951.	5.7	31
38	HIF-1 $\alpha$ is necessary for activation and tumour-promotion effect of cancer-associated fibroblasts in lung cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5457-5469.	1.6	30
39	Targeting Endothelial CD146 Attenuates Colitis and Prevents Colitis-Associated Carcinogenesis. <i>American Journal of Pathology</i> , 2014, 184, 1604-1616.	1.9	28
40	Tumor Necrosis Factor Receptor 2 (TNFR2)-Interleukin-17 Receptor D (IL-17RD) Heteromerization Reveals a Novel Mechanism for NF- $\kappa$ B Activation. <i>Journal of Biological Chemistry</i> , 2015, 290, 861-871.	1.6	27
41	Modulating the rigidity of nanoparticles for tumor penetration. <i>Chemical Communications</i> , 2018, 54, 3014-3017.	2.2	27
42	MicroRNA-487a-3p functions as a new tumor suppressor in prostate cancer by targeting CCND1. <i>Journal of Cellular Physiology</i> , 2020, 235, 1588-1600.	2.0	27
43	Molecular mechanism of Gd@C 82 (OH) 22 increasing collagen expression: Implication for encaging tumor. <i>Biomaterials</i> , 2018, 152, 24-36.	5.7	26
44	IFN $\gamma$ -responsiveness of endothelial cells leads to efficient angiostasis in tumours involving down-regulation of DLL4. <i>Journal of Pathology</i> , 2014, 233, 170-182.	2.1	25
45	An Asparagus polysaccharide fraction inhibits MDSCs by inducing apoptosis through toll-like receptor 4. <i>Phytotherapy Research</i> , 2018, 32, 1297-1303.	2.8	25
46	Th17 cell-derived IL-17A promoted tumor progression via STAT3/NF- $\kappa$ B/Notch1 signaling in non-small cell lung cancer. <i>Oncolmmunology</i> , 2018, 7, e1461303.	2.1	25
47	Tumor-derived exosomes drive pre-metastatic niche formation in lung via modulating CCL1+ fibroblast and CCR8+ Treg cell interactions. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 2717-2730.	2.0	25
48	Tumour-derived exosomal miR-3473b promotes lung tumour cell intrapulmonary colonization by activating the nuclear factor- $\kappa$ B of local fibroblasts. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7802-7813.	1.6	24
49	Increased tumorigenicity, but unchanged immunogenicity, of transporter for antigen presentation 1-deficient tumors. <i>Cancer Research</i> , 2002, 62, 2856-60.	0.4	23
50	Resolution of PMA-Induced Skin Inflammation Involves Interaction of IFN- $\gamma$ and ALOX15. <i>Mediators of Inflammation</i> , 2013, 2013, 1-11.	1.4	22
51	S100A4 promotes hepatocellular carcinogenesis by intensifying fibrosis-associated cancer cell stemness. <i>Oncolmmunology</i> , 2020, 9, 1725355.	2.1	21
52	IFN- $\gamma$ -Mediated Downregulation of LXA4 Is Necessary for the Maintenance of Nonresolving Inflammation and Papilloma Persistence. <i>Cancer Research</i> , 2013, 73, 1742-1751.	0.4	20
53	S100A4 Protects Myeloid-Derived Suppressor Cells from Intrinsic Apoptosis via TLR4-ERK1/2 Signaling. <i>Frontiers in Immunology</i> , 2018, 9, 388.	2.2	20
54	Ligustilide inhibits the activation of cancer-associated fibroblasts. <i>Life Sciences</i> , 2019, 218, 58-64.	2.0	20

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55	A polysaccharide from <i>Dictyophora indusiata</i> inhibits the immunosuppressive function of cancer-associated fibroblasts. <i>Cell Biochemistry and Function</i> , 2017, 35, 414-419.	1.4	19
56	S100A4 promotes colon inflammation and colitis-associated colon tumorigenesis. <i>Oncolmmunology</i> , 2018, 7, e1461301.	2.1	19
57	IL-17A-stimulated endothelial fatty acid $\beta$ -oxidation promotes tumor angiogenesis. <i>Life Sciences</i> , 2019, 229, 46-56.	2.0	18
58	Cinnamaldehyde induces endogenous apoptosis of the prostate cancer-associated fibroblasts via interfering the Glutathione-associated mitochondria function. <i>Medical Oncology</i> , 2020, 37, 91.	1.2	18
59	Accelerated tumour metastasis due to interferon $\gamma$ receptor-mediated dissociation of perivascular cells from blood vessels. <i>Journal of Pathology</i> , 2017, 242, 334-346.	2.1	16
60	S100A4 blockage alleviates agonistic anti-CD137 antibody-induced liver pathology without disruption of antitumor immunity. <i>Oncolmmunology</i> , 2018, 7, e1296996.	2.1	15
61	Ligustilide promotes apoptosis of cancer-associated fibroblasts via the TLR4 pathways. <i>Food and Chemical Toxicology</i> , 2020, 135, 110991.	1.8	13
62	Specific binding of <i>Clostridium perfringens</i> enterotoxin fragment to Claudin $\beta$ and modulation of zebrafish epidermal barrier. <i>Experimental Dermatology</i> , 2015, 24, 605-610.	1.4	12
63	MPSSS impairs the immunosuppressive function of cancer-associated fibroblasts via the TLR4-NF- $\kappa$ B pathway. <i>Bioscience Reports</i> , 2019, 39, .	1.1	12
64	Cinnamaldehyde Treatment of Prostate Cancer-Associated Fibroblasts Prevents Their Inhibitory Effect on T Cells Through Toll-Like Receptor 4. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 3363-3372.	2.0	12
65	Programmed PPAR- $\alpha$ downregulation induces inflammaging by suppressing fatty acid catabolism in monocytes. <i>IScience</i> , 2021, 24, 102766.	1.9	11
66	Ligustilide Inhibits Tumor Angiogenesis by Downregulating VEGFA Secretion from Cancer-Associated Fibroblasts in Prostate Cancer via TLR4. <i>Cancers</i> , 2022, 14, 2406.	1.7	11
67	A polysaccharide derived from <i>Lentinus edodes</i> impairs the immunosuppressive function of myeloid-derived suppressor cells via the p38 pathways. <i>RSC Advances</i> , 2017, 7, 36533-36540.	1.7	10
68	Corticosterone Enhances the AMPK-Mediated Immunosuppressive Phenotype of Testicular Macrophages During Uropathogenic <i>Escherichia coli</i> Induced Orchitis. <i>Frontiers in Immunology</i> , 2020, 11, 583276.	2.2	10
69	Low SCRIB expression in fibroblasts promotes invasion of lung cancer cells. <i>Life Sciences</i> , 2020, 256, 117955.	2.0	10
70	Angiocrine FSTL1 (Follistatin-Like Protein 1) Insufficiency Leads to Atrial and Venous Wall Fibrosis via SMAD3 Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 958-972.	1.1	10
71	Polysaccharides From <i>Lentinus Edodes</i> Inhibits Lymphangiogenesis via the Toll-Like Receptor 4/JNK Pathway of Cancer-Associated Fibroblasts. <i>Frontiers in Oncology</i> , 2020, 10, 547683.	1.3	10
72	Decreased generation of anti-tumor immunity after intrasplenic immunization. <i>European Journal of Immunology</i> , 2001, 31, 1392-1399.	1.6	9

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73	Temporary blockade of interferon- $\hat{3}$ ameliorates doxorubicin-induced cardiotoxicity without influencing the anti-tumor effect. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110587.	2.5	7
74	IFN $\hat{3}$ inhibits fibroblast-leading tumor cell invasion through downregulating N-cadherin. <i>Biochemical and Biophysical Research Communications</i> , 2019, 512, 544-551.	1.0	6
75	Tie2-expressing monocytes as a novel angiogenesis-related cellular biomarker for non-small cell lung cancer. <i>International Journal of Cancer</i> , 2021, 148, 1519-1528.	2.3	6
76	Paclitaxel treatment enhances lymphatic metastasis of B16F10 melanoma cells via CCL21/CCR7 axis. <i>International Journal of Biological Sciences</i> , 2022, 18, 1476-1490.	2.6	6
77	Resident memory CD4 <sup>+</sup> T lymphocytes mobilize from bone marrow to contribute to a systemic secondary immune reaction. <i>European Journal of Immunology</i> , 2022, 52, 737-752.	1.6	6
78	S100A4-dependent glycolysis promotes lymphatic vessel sprouting in tumor. <i>Angiogenesis</i> , 0, , .	3.7	5
79	A shedding-soluble form of interleukin-17 receptor D exacerbates collagen-induced arthritis through facilitating TNF- $\hat{1}$ -dependent receptor clustering. <i>Cellular and Molecular Immunology</i> , 2020, 18, 1883-1895.	4.8	4
80	Tie2-expressing monocytes/macrophages promote cerebral revascularization in peri-infarct lesions upon ischemic insult. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 295.	7.1	4
81	Identifying tumor promoting genomic alterations in tumor-associated fibroblasts via retrovirus-insertional mutagenesis. <i>Oncotarget</i> , 2017, 8, 97231-97245.	0.8	4
82	Eugenol triggers CD11b+Gr1+myeloid-derived suppressor cell apoptosis via endogenous apoptosis pathway. <i>RSC Advances</i> , 2018, 8, 3833-3838.	1.7	3
83	Dysfunction of S100A4 <sup>+</sup> effector memory CD8 <sup>+</sup> T cells aggravates asthma. <i>European Journal of Immunology</i> , 2022, 52, 978-993.	1.6	3
84	Claudin-12 Deficiency Inhibits Tumor Growth by Impairing Transendothelial Migration of Myeloid-Derived Suppressor Cells. <i>Cancer Research</i> , 2022, 82, 2472-2484.	0.4	3
85	Role of fibrosarcoma-induced CD11b+ myeloid cells and tumor necrosis factor- $\hat{1}$ in B cell responses. <i>Oncogene</i> , 2022, 41, 1434-1444.	2.6	1