

# Junfeng Zhang

## List of Publications by Year in descending order

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107  
papers

4,992  
citations

81900

39  
h-index

102487

66  
g-index

110  
all docs

110  
docs citations

110  
times ranked

8452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Honeysuckle-encoded atypical microRNA2911 directly targets influenza A viruses. <i>Cell Research</i> , 2015, 25, 39-49.	12.0	352
2	Tumor-secreted miR-214 induces regulatory T cells: a major link between immune evasion and tumor growth. <i>Cell Research</i> , 2014, 24, 1164-1180.	12.0	235
3	Targeted exosome-mediated delivery of opioid receptor Mu siRNA for the treatment of morphine relapse. <i>Scientific Reports</i> , 2015, 5, 17543.	3.3	220
4	Identification of a panel of five serum miRNAs as a biomarker for Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2016, 22, 68-73.	2.2	149
5	Near Infrared-Guided Smart Nanocarriers for MicroRNA-Controlled Release of Doxorubicin/siRNA with Intracellular ATP as Fuel. <i>ACS Nano</i> , 2016, 10, 3637-3647.	14.6	149
6	miR-141 Regulates colonic leukocytic trafficking by targeting CXCL12 <sup>Î²</sup> during murine colitis and human Crohn's disease. <i>Gut</i> , 2014, 63, 1247-1257.	12.1	137
7	Effective detection and quantification of dietetically absorbed plant microRNAs in human plasma. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 505-512.	4.2	137
8	Targeted depletion of tumour-associated macrophages by an alendronate-Î²-glucomannan conjugate for cancer immunotherapy. <i>Biomaterials</i> , 2014, 35, 10046-10057.	11.4	130
9	Doxorubicin-Induced Systemic Inflammation Is Driven by Upregulation of Toll-Like Receptor TLR4 and Endotoxin Leakage. <i>Cancer Research</i> , 2016, 76, 6631-6642.	0.9	123
10	Plant microRNAs in larval food regulate honeybee caste development. <i>PLoS Genetics</i> , 2017, 13, e1006946.	3.5	123
11	A toll-like receptor agonist mimicking microbial signal to generate tumor-suppressive macrophages. <i>Nature Communications</i> , 2019, 10, 2272.	12.8	117
12	The Autoregulatory Feedback Loop of MicroRNA-21/Programmed Cell Death Protein 4/Activation Protein-1 (MiR-21/PDCD4/AP-1) as a Driving Force for Hepatic Fibrosis Development. <i>Journal of Biological Chemistry</i> , 2013, 288, 37082-37093.	3.4	112
13	Lactate-Modulated Immunosuppression of Myeloid-Derived Suppressor Cells Contributes to the Radioresistance of Pancreatic Cancer. <i>Cancer Immunology Research</i> , 2020, 8, 1440-1451.	3.4	112
14	Corona-Directed Nucleic Acid Delivery into Hepatic Stellate Cells for Liver Fibrosis Therapy. <i>ACS Nano</i> , 2015, 9, 2405-2419.	14.6	110
15	MiR-143 and MiR-145 Regulate IGF1R to Suppress Cell Proliferation in Colorectal Cancer. <i>PLoS ONE</i> , 2014, 9, e114420.	2.5	104
16	miR-150 promotes the proliferation and migration of lung cancer cells by targeting SRC kinase signalling inhibitor 1. <i>European Journal of Cancer</i> , 2014, 50, 1013-1024.	2.8	103
17	Accelerated wound healing in diabetes by reprogramming the macrophages with particle-induced clustering of the mannose receptors. <i>Biomaterials</i> , 2019, 219, 119340.	11.4	103
18	MicroRNA-9 Inhibits NLRP3 Inflammasome Activation in Human Atherosclerosis Inflammation Cell Models through the JAK1/STAT Signaling Pathway. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 1555-1571.	1.6	92

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19	Contact Line and Contact Angle Dynamics in Superhydrophobic Channels. <i>Langmuir</i> , 2006, 22, 4998-5004.	3.5	90
20	Autophagy mediated CoCrMo particle-induced peri-implant osteolysis by promoting osteoblast apoptosis. <i>Autophagy</i> , 2015, 11, 2358-2369.	9.1	85
21	Lower irisin level in patients with type 2 diabetes mellitus: A case-control study and meta-analysis. <i>Journal of Diabetes</i> , 2016, 8, 56-62.	1.8	80
22	Producing anti-inflammatory macrophages by nanoparticle-triggered clustering of mannose receptors. <i>Biomaterials</i> , 2018, 178, 95-108.	11.4	80
23	Identification and Characterization of 293T Cell-Derived Exosomes by Profiling the Protein, mRNA and MicroRNA Components. <i>PLoS ONE</i> , 2016, 11, e0163043.	2.5	77
24	Targeted delivery of let-7b to reprogramme tumor-associated macrophages and tumor infiltrating dendritic cells for tumor rejection. <i>Biomaterials</i> , 2016, 90, 72-84.	11.4	76
25	Specifically Formed Corona on Silica Nanoparticles Enhances Transforming Growth Factor $\beta$ 1 Activity in Triggering Lung Fibrosis. <i>ACS Nano</i> , 2017, 11, 1659-1672.	14.6	76
26	An orally administrated nucleotide-delivery vehicle targeting colonic macrophages for the treatment of inflammatory bowel disease. <i>Biomaterials</i> , 2015, 48, 26-36.	11.4	74
27	miR-203 Suppresses the Proliferation and Migration and Promotes the Apoptosis of Lung Cancer Cells by Targeting SRC. <i>PLoS ONE</i> , 2014, 9, e105570.	2.5	73
28	miR-181b functions as an oncomiR in colorectal cancer by targeting PDCD4. <i>Protein and Cell</i> , 2016, 7, 722-734.	11.0	58
29	Re-polarizing Myeloid-derived Suppressor Cells (MDSCs) with Cationic Polymers for Cancer Immunotherapy. <i>Scientific Reports</i> , 2016, 6, 24506.	3.3	54
30	Oncogenic miR-19a and miR-19b co-regulate tumor suppressor MTUS1 to promote cell proliferation and migration in lung cancer. <i>Protein and Cell</i> , 2017, 8, 455-466.	11.0	52
31	Macrophage migration inhibitory factor promotes osteosarcoma growth and lung metastasis through activating the RAS/MAPK pathway. <i>Cancer Letters</i> , 2017, 403, 271-279.	7.2	51
32	Outer-Frame-Degradable Nanovehicles Featuring Near-Infrared Dual Luminescence for <i>In Vivo</i> Tracking of Protein Delivery in Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 12577-12590.	14.6	48
33	Transcription factor NFAT5 contributes to the glycolytic phenotype rewiring and pancreatic cancer progression via transcription of PGK1. <i>Cell Death and Disease</i> , 2019, 10, 948.	6.3	48
34	Endoplasmic Reticulum stress-dependent expression of ERO1L promotes aerobic glycolysis in Pancreatic Cancer. <i>Theranostics</i> , 2020, 10, 8400-8414.	10.0	47
35	MicroRNA-30 Protects Against Carbon Tetrachloride-induced Liver Fibrosis by Attenuating Transforming Growth Factor Beta Signaling in Hepatic Stellate Cells. <i>Toxicological Sciences</i> , 2015, 146, 157-169.	3.1	46
36	TGF- $\beta$ 2-mediated upregulation of Sox9 in fibroblast promotes renal fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 520-532.	3.8	46

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37	Identification of miR-199a-5p in serum as noninvasive biomarkers for detecting and monitoring osteosarcoma. <i>Tumor Biology</i> , 2015, 36, 8845-8852.	1.8	44
38	Pressure boundary condition of the lattice Boltzmann method for fully developed periodic flows. <i>Physical Review E</i> , 2006, 73, 047702.	2.1	42
39	Patient-Derived Human Induced Pluripotent Stem Cells From Gingival Fibroblasts Compositated With Defined Nanohydroxyapatite/Chitosan/Gelatin Porous Scaffolds as Potential Bone Graft Substitutes. <i>Stem Cells Translational Medicine</i> , 2016, 5, 95-105.	3.3	42
40	High-salt diet inhibits tumour growth in mice via regulating myeloid-derived suppressor cell differentiation. <i>Nature Communications</i> , 2020, 11, 1732.	12.8	41
41	High expression of DDR1 is associated with the poor prognosis in Chinese patients with pancreatic ductal adenocarcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015, 34, 88.	8.6	38
42	TiAl6V4 particles promote osteoclast formation via autophagy-mediated downregulation of interferon-beta in osteocytes. <i>Acta Biomaterialia</i> , 2017, 48, 489-498.	8.3	38
43	MicroRNA-128-3p regulates mitomycin C-induced DNA damage response in lung cancer cells through repressing <i>SPTAN1</i> . <i>Oncotarget</i> , 2017, 8, 58098-58107.	1.8	37
44	TGF- $\beta$ 2-induced hepatocyte lincRNA-p21 contributes to liver fibrosis in mice. <i>Scientific Reports</i> , 2017, 7, 2957.	3.3	36
45	Loss of MicroRNA-101 Promotes Epithelial to Mesenchymal Transition in Hepatocytes. <i>Journal of Cellular Physiology</i> , 2015, 230, 2706-2717.	4.1	35
46	Evaluation of a polyvinyl alcohol-alginate based hydrogel for precise 3D bioprinting. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2944-2954.	4.0	35
47	MicroRNA-199a-5p promotes tumour growth by dual-targeting PIAS3 and p27 in human osteosarcoma. <i>Scientific Reports</i> , 2017, 7, 41456.	3.3	34
48	Suppressed OGT expression inhibits cell proliferation while inducing cell apoptosis in bladder cancer. <i>BMC Cancer</i> , 2018, 18, 1141.	2.6	32
49	Patients with hepatic oligometastatic pancreatic body/tail ductal adenocarcinoma may benefit from synchronous resection. <i>Hpb</i> , 2020, 22, 91-101.	0.3	32
50	The leucyl aminopeptidase from <i>Helicobacter pylori</i> is an allosteric enzyme. <i>Microbiology (United Kingdom)</i> , 2019, 163, 1829-1837.	1.8	29
51	Smectite promotes probiotic biofilm formation in the gut for cancer immunotherapy. <i>Cell Reports</i> , 2021, 34, 108706.	6.4	29
52	Integrated genomic and transcriptomic analysis reveals unique characteristics of hepatic metastases and pro-metastatic role of complement C1q in pancreatic ductal adenocarcinoma. <i>Genome Biology</i> , 2021, 22, 4.	8.8	28
53	A novel pyrazole-containing indolizine derivative suppresses NF- $\kappa$ B activation and protects against TNBS-induced colitis via a PPAR- $\beta$ -dependent pathway. <i>Biochemical Pharmacology</i> , 2017, 135, 126-138.	4.4	27
54	PIAS3-mediated feedback loops promote chronic colitis-associated malignant transformation. <i>Theranostics</i> , 2018, 8, 3022-3037.	10.0	27

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55	Endoplasmic reticulum stress-mediated inflammatory signaling pathways within the osteolytic periosteum and interface membrane in particle-induced osteolysis. <i>Cell and Tissue Research</i> , 2016, 363, 427-447.	2.9	24
56	Sox9/INHBB axis-mediated crosstalk between the hepatoma and hepatic stellate cells promotes the metastasis of hepatocellular carcinoma. <i>Cancer Letters</i> , 2021, 499, 243-254.	7.2	24
57	Molecular markers associated with perineural invasion in pancreatic ductal adenocarcinoma. <i>Oncology Letters</i> , 2020, 20, 5.	1.8	24
58	The fibroblast expression of RANKL in CoCrMo-particle-induced osteolysis is mediated by ER stress and XBP1s. <i>Acta Biomaterialia</i> , 2015, 24, 352-360.	8.3	23
59	Dual TNF- $\alpha$ /IL-12p40 Interference as a Strategy to Protect Against Colitis Based on miR-16 Precursors With Macrophage Targeting Vectors. <i>Molecular Therapy</i> , 2015, 23, 1611-1621.	8.2	22
60	Targeting Lymph Node Sinus Macrophages to Inhibit Lymph Node Metastasis. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 650-662.	5.1	21
61	Upregulation of HER2 in tubular epithelial cell drives fibroblast activation and renal fibrosis. <i>Kidney International</i> , 2019, 96, 674-688.	5.2	20
62	A Jak2-selective inhibitor potently reverses the immune suppression by modulating the tumor microenvironment for cancer immunotherapy. <i>Biochemical Pharmacology</i> , 2017, 145, 132-146.	4.4	19
63	MetricUNet: Synergistic image- and voxel-level learning for precise prostate segmentation via online sampling. <i>Medical Image Analysis</i> , 2021, 71, 102039.	11.6	19
64	MicroRNA-30b Suppresses Epithelial-Mesenchymal Transition and Metastasis of Hepatoma Cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 625-634.	4.1	18
65	Dual-Functionalized MSCs that Express CX3CR1 and IL-25 Exhibit Enhanced Therapeutic Effects on Inflammatory Bowel Disease. <i>Molecular Therapy</i> , 2020, 28, 1214-1228.	8.2	17
66	Transforming the spleen into a liver-like organ in vivo. <i>Science Advances</i> , 2020, 6, eaaz9974.	10.3	15
67	Transdermal Delivery of Lidocaine-Loaded Elastic Nano-Liposomes with Microneedle Array Pretreatment. <i>Biomedicines</i> , 2021, 9, 592.	3.2	15
68	Effects of Methyl jasmonate with indole-3-acetic acid and 6-benzylaminopurine on the secondary metabolism of cultured <i>Onosma paniculatum</i> cells. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2004, 40, 581-585.	2.1	14
69	Photoluminescence enhancement of porous silicon particles by microwave-assisted activation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2247-2250.	1.8	14
70	Honeysuckle-derived microRNA2911 inhibits tumor growth by targeting TGF- $\beta$ 1. <i>Chinese Medicine</i> , 2021, 16, 49.	4.0	13
71	Sox9/CXCL5 axis facilitates tumour cell growth and invasion in hepatocellular carcinoma. <i>FEBS Journal</i> , 2022, 289, 3535-3549.	4.7	13
72	A Novel Sox9/lncRNA H19 Axis Contributes to Hepatocyte Death and Liver Fibrosis. <i>Toxicological Sciences</i> , 2020, 177, 214-225.	3.1	12

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73	Denatured corona proteins mediate the intracellular bioactivities of nanoparticles via the unfolded protein response. <i>Biomaterials</i> , 2021, 265, 120452.	11.4	12
74	CBF $\beta$ promotes colorectal cancer progression through transcriptionally activating OPN, FAM129A, and UPP1 in a RUNX2-dependent manner. <i>Cell Death and Differentiation</i> , 2021, 28, 3176-3192.	11.2	12
75	Enhanced Uptake of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles by Intestinal Epithelial Cells in a State of Inflammation. <i>Molecules</i> , 2017, 22, 1240.	3.8	11
76	Neddylation pathway alleviates chronic pancreatitis by reducing HIF1 $\alpha$ -CCL5-dependent macrophage infiltration. <i>Cell Death and Disease</i> , 2021, 12, 273.	6.3	11
77	HG-9-91-01 Attenuates Murine Experimental Colitis by Promoting Interleukin-10 Production in Colonic Macrophages Through the SIK/CRTC3 Pathway. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 1821-1831.	1.9	11
78	Tubule-derived $\alpha$ -INHBB promotes interstitial fibroblast activation and renal fibrosis. <i>Journal of Pathology</i> , 2022, 256, 25-37.	4.5	11
79	Endovascular intervention for delayed post-pancreaticoduodenectomy hemorrhage: clinical features and outcomes of transcatheter arterial embolization and covered stent placement. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 7457-66.	1.3	11
80	Suppressed OGT expression inhibits cell proliferation and modulates EGFR expression in renal cell carcinoma. <i>Cancer Management and Research</i> , 2019, Volume 11, 2215-2223.	1.9	10
81	The similarity of electric double-layer interaction from the general Poisson-Boltzmann theory. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 391-395.	9.4	9
82	Extracellular control of intracellular drug release for enhanced safety of anti-cancer chemotherapy. <i>Scientific Reports</i> , 2016, 6, 28596.	3.3	9
83	Apoptotic pathways of macrophages within osteolytic interface membrane in periprosthetic osteolysis after total hip replacement. <i>Apmis</i> , 2017, 125, 565-578.	2.0	9
84	Ferritin as a key risk factor for nonalcoholic fatty liver disease in children with obesity. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e23602.	2.1	9
85	Induced pluripotent stem cell-derived neural progenitor cell transplantation promotes regeneration and functional recovery after post-traumatic stress disorder in rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110981.	5.6	9
86	Gua Sha, a press-stroke treatment of the skin, boosts the immune response to intradermal vaccination. <i>PeerJ</i> , 2016, 4, e2451.	2.0	9
87	Reprogramming the spleen into a functioning $\alpha$ -liver <sup>TM</sup> in vivo. <i>Gut</i> , 2022, 71, 2325-2336.	12.1	9
88	ELECTROKINETIC SLIP FLOW OF MICROFLUIDICS IN TERMS OF STREAMING POTENTIAL BY A LATTICE BOLTZMANN METHOD: A BOTTOM-UP APPROACH. <i>International Journal of Modern Physics C</i> , 2007, 18, 693-700.	1.7	8
89	DKK2 Impairs Tumor Immunity Infiltration and Correlates with Poor Prognosis in Pancreatic Ductal Adenocarcinoma. <i>Journal of Immunology Research</i> , 2019, 2019, 1-12.	2.2	8
90	Air pollution particles hijack peroxidase to disrupt immunosurveillance and promote lung cancer. <i>ELife</i> , 2022, 11, .	6.0	8

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91	A novel fluorinated triazole derivative suppresses macrophage activation and alleviates experimental colitis via a Twist1-dependent pathway. <i>Biochemical Pharmacology</i> , 2018, 155, 275-287.	4.4	6
92	3,3'-Diindolylmethane alleviates acute atopic dermatitis by regulating T cell differentiation in a mouse model. <i>Molecular Immunology</i> , 2021, 130, 104-112.	2.2	6
93	Destructing biofilms by cationic dextran through phase transition. <i>Carbohydrate Polymers</i> , 2022, 279, 118778.	10.2	6
94	Phosphorothioated antisense oligodeoxynucleotide suppressing interleukin-10 is a safe and potent vaccine adjuvant. <i>Vaccine</i> , 2019, 37, 4081-4088.	3.8	5
95	STAT5 promotes chronic pancreatitis by enhancing GM-CSF-dependent neutrophil augmentation. <i>Journal of Leukocyte Biology</i> , 2021, 110, 293-300.	3.3	5
96	Increased SPON1 promotes pancreatic ductal adenocarcinoma progression by enhancing IL6 transsignalling. <i>Cell Proliferation</i> , 2022, , e13237.	5.3	5
97	Multi-Drug Resistant Bacterial Infection after Pancreatoduodenectomy: Risk Factors and Clinical Impact. <i>Surgical Infections</i> , 2020, 21, 793-798.	1.4	4
98	ERO1L Promotes Hepatic Metastasis through Activating Epithelial-Mesenchymal Transition (EMT) in Pancreatic Cancer. <i>Journal of Immunology Research</i> , 2021, 2021, 1-10.	2.2	4
99	Dysregulation of tumor microenvironment promotes malignant progression and predicts risk of metastasis in bladder cancer. <i>Annals of Translational Medicine</i> , 2021, 9, 1438-1438.	1.7	4
100	Association between intrahepatic triglyceride content in subjects with metabolically healthy abdominal obesity and risks of pre-diabetes plus diabetes: an observational study. <i>BMJ Open</i> , 2022, 12, e057820.	1.9	4
101	Identification and characterization of microRNAs in the crab-eating macaque ( <i>Macaca fascicularis</i> ) using transcriptome analysis. <i>Gene</i> , 2014, 536, 308-315.	2.2	3
102	Quantitative analysis of gold and carbon nanoparticles in mammalian cells by flow cytometry light scattering. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	3
103	SULF2 is a novel diagnostic and prognostic marker for high-grade bladder cancer with lymphatic metastasis. <i>Annals of Translational Medicine</i> , 2021, 9, 1439-1439.	1.7	3
104	Decreased expression of USP9X is associated with poor prognosis in Chinese pancreatic ductal adenocarcinoma patients. <i>Oncology Letters</i> , 2018, 15, 9287-9292.	1.8	2
105	Islet Transplantation: Growing Trans-Species Islets in Tumor Extract-Remodeled Testicles (Adv. Sci.) Tj ETQq1 1 0,784314 1rgBT /Over	11.2	1
106	Selective Fluorescent Activation for Bioimaging Bioimaging the Expression of Nitric Oxide in Cellular and In Vivo Systems. <i>Methods in Molecular Biology</i> , 2011, 704, 57-71.	0.9	1
107	Long-term sexual dysfunction and hypotensive shock in a patient with a pheochromocytoma. <i>International Urology and Nephrology</i> , 2022, 54, 1239-1241.	1.4	1