Liang Zhao

List of Publications by Year
in descending order

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78 papers	3,668 citations	109321 35 h-index	144013 57 g-index
91 all docs	91 docs citations	91 times ranked	5452 citing authors

#	Article	IF	Citations
1	Bone tissue engineering via nanostructured calcium phosphate biomaterials and stem cells. Bone Research, 2014, 2, 14017.	11.4	274
2	Magnetic field and nano-scaffolds with stem cells to enhance bone regeneration. Biomaterials, 2018, 183, 151-170.	11.4	198
3	Gut microbiota-stimulated cathepsin K secretion mediates TLR4-dependent M2 macrophage polarization and promotes tumor metastasis in colorectal cancer. Cell Death and Differentiation, 2019, 26, 2447-2463.	11.2	182
4	Piezo1/2 mediate mechanotransduction essential for bone formation through concerted activation of NFAT-YAP1-ÃŸ-catenin. ELife, 2020, 9, .	6.0	161
5	Promotion of colorectal cancer growth and metastasis by the LIM and SH3 domain protein 1. Gut, 2010, 59, 1226-1235.	12.1	117
6	Bone tissue engineering via human induced pluripotent, umbilical cord and bone marrow mesenchymal stem cells in rat cranium. Acta Biomaterialia, 2015, 18, 236-248.	8.3	116
7	miR-133a represses tumour growth and metastasis in colorectal cancer by targeting LIM and SH3 protein 1 and inhibiting the MAPK pathway. European Journal of Cancer, 2013, 49, 3924-3935.	2.8	101
8	LIM and SH3 Protein 1 Induces TGFÎ²-Mediated Epithelialâ€“Mesenchymal Transition in Human Colorectal Cancer by Regulating S100A4 Expression. Clinical Cancer Research, 2014, 20, 5835-5847.	7.0	101
9	LncRNA CRNDE attenuates chemoresistance in gastric cancer via SRSF6-regulated alternative splicing of PICALM. Molecular Cancer, 2021, 20, 6.	19.2	97
10	Tumor-secreted dickkopf2 accelerates aerobic glycolysis and promotes angiogenesis in colorectal cancer. Theranostics, 2019, 9, 1001-1014.	10.0	94
11	MicroRNA-105 is involved in TNF-Î±-related tumor microenvironment enhanced colorectal cancer progression. Cell Death and Disease, 2017, 8, 3213.	6.3	78
12	A miR-567-PIK3AP1-PI3K/AKT-c-Myc feedback loop regulates tumour growth and chemoresistance in gastric cancer. EBioMedicine, 2019, 44, 311-321.	6.1	77
13	Tumor suppressor miR-1 restrains epithelial-mesenchymal transition and metastasis of colorectal carcinoma via the MAPK and PI3K/AKT pathway. Journal of Translational Medicine, 2014, 12, 244.	4.4	75
14	Overexpression of Rho GDP-Dissociation Inhibitor Alpha Is Associated with Tumor Progression and Poor Prognosis of Colorectal Cancer. Journal of Proteome Research, 2008, 7, 3994-4003.	3.7	71
15	Bone protection by inhibition of microRNA-182. Nature Communications, 2018, 9, 4108.	12.8	71
16	A self-setting iPSMSC-alginate-calcium phosphate paste for bone tissue engineering. Dental Materials, 2016, 32, 252-263.	3.5	70
17	Epigenetic silencing of miR-490-3p promotes development of an aggressive colorectal cancer phenotype through activation of the Wnt/Î²-catenin signaling pathway. Cancer Letters, 2016, 376, 178-187.	7.2	68
18	MicroRNA-187, a downstream effector of TGFÎ² pathway, suppresses Smad-mediated epithelialâ€“mesenchymal transition in colorectal cancer. Cancer Letters, 2016, 373, 203-213.	7.2	67

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19	ABCC5 facilitates the acquired resistance of sorafenib through the inhibition of SLC7A11-induced ferroptosis in hepatocellular carcinoma. Neoplasia, 2021, 23, 1227-1239.	5.3	65
20	MYH9 Promotes Growth and Metastasis via Activation of MAPK/AKT Signaling in Colorectal Cancer. Journal of Cancer, 2019, 10, 874-884.	2.5	62
21	Differential proteomic analysis of human colorectal carcinoma cell lines metastasis-associated proteins. Journal of Cancer Research and Clinical Oncology, 2007, 133, 771-782.	2.5	59
22	LIM kinase 1 interacts with myosin-9 and alpha-actinin-4 and promotes colorectal cancer progression. British Journal of Cancer, 2017, 117, 563-571.	6.4	57
23	LASP1-S100A11 axis promotes colorectal cancer aggressiveness by modulating TGFÎ²/Smad signaling. Scientific Reports, 2016, 6, 26112.	3.3	56
24	Sphingomyelin synthase 2 promotes an aggressive breast cancer phenotype by disrupting the homoeostasis of ceramide and sphingomyelin. Cell Death and Disease, 2019, 10, 157.	6.3	56
25	Injectable calcium phosphate with hydrogel fibers encapsulating induced pluripotent, dental pulp and bone marrow stem cells for bone repair. Materials Science and Engineering C, 2016, 69, 1125-1136.	7.3	48
26	miR-589 promotes gastric cancer aggressiveness by a LIFR-PI3K/AKT-c-Jun regulatory feedback loop. Journal of Experimental and Clinical Cancer Research, 2018, 37, 152.	8.6	47
27	Sanguinarine triggers intrinsic apoptosis to suppress colorectal cancer growth through disassociation between STRAP and MELK. BMC Cancer, 2018, 18, 578.	2.6	45
28	Long noncoding RNA CRCMSL suppresses tumor invasive and metastasis in colorectal carcinoma through nucleocytoplasmic shuttling of HMGB2. Oncogene, 2019, 38, 3019-3032.	5.9	44
29	Flotillin-2 promotes nasopharyngeal carcinoma metastasis and is necessary for the epithelial-mesenchymal transition induced by transforming growth factor-Î². Oncotarget, 2015, 6, 9781-9793.	1.8	44
30	Transgelin as a suppressor is associated with poor prognosis in colorectal carcinoma patients. Modern Pathology, 2009, 22, 786-796.	5.5	42
31	Comparative proteomic analysis identifies proteins associated with the development and progression of colorectal carcinoma. FEBS Journal, 2010, 277, 4195-4204.	4.7	41
32	Engineering bone regeneration with novel cell-laden hydrogel microfiber-injectable calcium phosphate scaffold. Materials Science and Engineering C, 2017, 75, 895-905.	7.3	41
33	Stem cells in the periodontal ligament differentiated into osteogenic, fibrogenic and cementogenic lineages for the regeneration of the periodontal complex. Journal of Dentistry, 2020, 92, 103259.	4.1	41
34	COPS5 and LASP1 synergistically interact to downregulate 14â€3â€3Ïƒ expression and promote colorectal cancer progression via activating PI3K/AKT pathway. International Journal of Cancer, 2018, 142, 1853-1864.	5.1	40
35	Dahuang Zhechong Pill suppresses colorectal cancer liver metastasis via ameliorating exosomal CCL2 primed pre-metastatic niche. Journal of Ethnopharmacology, 2019, 238, 111878.	4.1	38
36	Novel hiPSC-based tri-culture for pre-vascularization of calcium phosphate scaffold to enhance bone and vessel formation. Materials Science and Engineering C, 2017, 79, 296-304.	7.3	37

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37	LASP2 suppresses colorectal cancer progression through JNK/p38 MAPK pathway meditated epithelial-mesenchymal transition. Cell Communication and Signaling, 2017, 15, 21.	6.5	35
38	Long noncoding RNA CMPK2 promotes colorectal cancer progression by activating the FUBP3â€“c-Myc axis. Oncogene, 2020, 39, 3926-3938.	5.9	35
39	LASP1 promotes nasopharyngeal carcinoma progression through negatively regulation of the tumor suppressor PTEN. Cell Death and Disease, 2018, 9, 393.	6.3	34
40	Calcium signaling in cancer progression and therapy. FEBS Journal, 2021, 288, 6187-6205.	4.7	33
41	Calcium Channel Blocker Nifedipine Suppresses Colorectal Cancer Progression and Immune Escape by Preventing NFAT2 Nuclear Translocation. Cell Reports, 2020, 33, 108327.	6.4	32
42	Cinobufagin suppresses colorectal cancer angiogenesis by disrupting the endothelial mammalian target of rapamycin/hypoxiaâ€inducible factor 1Î± axis. Cancer Science, 2019, 110, 1724-1734.	3.9	31
43	Overexpression of T lymphoma invasion and metastasis 1 predict renal cell carcinoma metastasis and overall patient survival. Journal of Cancer Research and Clinical Oncology, 2011, 137, 393-398.	2.5	30
44	Bone regeneration in minipigs via calcium phosphate cement scaffold delivering autologous bone marrow mesenchymal stem cells and plateletâ€rich plasma. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e937-e948.	2.7	28
45	Overexpression of RhoGDI, a novel predictor of distant metastasis, promotes cell proliferation and migration in hepatocellular carcinoma. FEBS Letters, 2014, 588, 503-508.	2.8	26
46	Loss of the 14-3-3Ïƒ is essential for LASP1-mediated colorectal cancer progression via activating PI3K/AKT signaling pathway. Scientific Reports, 2016, 6, 25631.	3.3	26
47	Cysteine-rich intestinal protein 1 suppresses apoptosis and chemosensitivity to 5-fluorouracil in colorectal cancer through ubiquitin-mediated Fas degradation. Journal of Experimental and Clinical Cancer Research, 2019, 38, 120.	8.6	26
48	Online management of rheumatoid arthritis during COVID-19 pandemic. Annals of the Rheumatic Diseases, 2021, 80, e4-e4.	0.9	26
49	Combining bulk and single-cell RNA-sequencing data to reveal gene expression pattern of chondrocytes in the osteoarthritic knee. Bioengineered, 2021, 12, 997-1007.	3.2	26
50	Imbalanced LIMK1 and LIMK2 expression leads to human colorectal cancer progression and metastasis via promoting Î²-catenin nuclear translocation. Cell Death and Disease, 2018, 9, 749.	6.3	25
51	Pre-metastatic niche triggers SDF-1/CXCR4 axis and promotes organ colonisation by hepatocellular circulating tumour cells via downregulation of Prrx1. Journal of Experimental and Clinical Cancer Research, 2019, 38, 473.	8.6	25
52	Differential role of intravenous anesthetics in colorectal cancer progression: implications for clinical application. Oncotarget, 2016, 7, 77087-77095.	1.8	25
53	MicroRNA-187 modulates epithelial-mesenchymal transition by targeting PTRF in non-small cell lung cancer. Oncology Reports, 2017, 37, 2787-2794.	2.6	22
54	Prrx1 promotes stemness and angiogenesis via activating TGF-Î²/smad pathway and upregulating proangiogenic factors in glioma. Cell Death and Disease, 2021, 12, 615.	6.3	22

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55	Pharmacological targeting PTK6 inhibits the JAK2/STAT3 sustained stemness and reverses chemoresistance of colorectal cancer. Journal of Experimental and Clinical Cancer Research, 2021, 40, 297.	8.6	22
56	Automated classification of protein subcellular localization in immunohistochemistry images to reveal biomarkers in colon cancer. BMC Bioinformatics, 2020, 21, 398.	2.6	20
57	Liraglutide Alleviates Hepatic Steatosis and Liver Injury in T2MD Rats via a GLP-1R Dependent AMPK Pathway. Frontiers in Pharmacology, 2020, 11, 600175.	3.5	20
58	<scp>CRIP1</scp> suppresses <scp>BBOX1</scp>â€mediated carnitine metabolism to promote stemness in hepatocellular carcinoma. EMBO Journal, 2022, 41, .	7.8	19
59	Expression of dynein, cytoplasmic 2, heavy chain 1 (DHC2) associated with glioblastoma cell resistance to temozolomide. Scientific Reports, 2016, 6, 28948.	3.3	18
60	LASP1 interacts with N-WASP to activate the Arp2/3 complex and facilitate colorectal cancer metastasis by increasing tumour budding and worsening the pattern of invasion. Oncogene, 2020, 39, 5743-5755.	5.9	18
61	Ethanol promotes alcohol-related colorectal cancer metastasis via the TGF-Î²/RUNX3/Snail axis by inducing TGF-Î²1 upregulation and RUNX3 cytoplasmic mislocalization. EBioMedicine, 2019, 50, 224-237.	6.1	17
62	CCT8 recovers WTp53-suppressed cell cycle evolution and EMT to promote colorectal cancer progression. Oncogenesis, 2021, 10, 84.	4.9	16
63	G-protein GÎ±13 functions as a cytoskeletal and mitochondrial regulator to restrain osteoclast function. Scientific Reports, 2019, 9, 4236.	3.3	15
64	Tubeimoside 1 Acts as a Chemotherapeutic Synergist via Stimulating Macropinocytosis. Frontiers in Pharmacology, 2018, 9, 1044.	3.5	14
65	ECHS1, an interacting protein of LASP1, induces sphingolipid-metabolism imbalance to promote colorectal cancer progression by regulating ceramide glycosylation. Cell Death and Disease, 2021, 12, 911.	6.3	13
66	Chondrogenic differentiation of stem cells in human umbilical cord stroma with PGA and PLLA scaffolds. Journal of Biomedical Science and Engineering, 2010, 03, 1041-1049.	0.4	12
67	A huge malignant solitary fibrous tumor of kidney: case report and review of the literature. Diagnostic Pathology, 2014, 9, 13.	2.0	12
68	Antibacterial calcium phosphate cement with human periodontal ligament stem cellâ€microbeads to enhance bone regeneration and combat infection. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 232-243.	2.7	10
69	Metastasis-associated long noncoding RNAs in gastrointestinal cancer: Implications for novel biomarkers and therapeutic targets. World Journal of Gastroenterology, 2016, 22, 8735.	3.3	9
70	Nanographene oxideâ€calcium phosphate to inhibit <scp> Staphylococcus aureus </scp> infection and support stem cells for bone tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1779-1791.	2.7	8
71	LIMK1 nuclear translocation promotes hepatocellular carcinoma progression by increasing p-ERK nuclear shuttling and by activating c-Myc signalling upon EGF stimulation. Oncogene, 2021, 40, 2581-2595.	5.9	8
72	Novel calcium phosphate cement with biofilm-inhibition and platelet lysate delivery to enhance osteogenesis of encapsulated human periodontal ligament stem cells. Materials Science and Engineering C, 2021, 128, 112306.	7.3	8

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73	Minipig-BMSCs Combined with a Self-Setting Calcium Phosphate Paste for Bone Tissue Engineering. Molecular Biotechnology, 2016, 58, 748-756.	2.4	3
74	Participation of metastasis-associated in colon cancer-1 gene on lipogenesis and chemoresistance of gastric cancer.. Journal of Clinical Oncology, 2014, 32, e15026-e15026.	1.6	3
75	Targeting osteosarcoma vasculature with peptide obtained by phage display. Wspolczesna Onkologia, 2014, 3, 165-170.	1.4	2
76	Single-cell transcriptome analysis reveals aberrant stromal cells and heterogeneous endothelial cells in alcohol-induced osteonecrosis of the femoral head. Communications Biology, 2022, 5, 324.	4.4	2
77	Three-Dimensional Printed BGS Treat a Large Bone Defect in a Rabbit Model. Doklady Biochemistry and Biophysics, 2021, 497, 123-129.	0.9	1
78	Flotillin-2 role in nasopharyngeal carcinoma metastasis and correlation with poor survival outcomes.. Journal of Clinical Oncology, 2014, 32, e17050-e17050.	1.6	1