

Zhongmin Liu

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

3,562
citations

159585

30
h-index

168389

53
g-index

120
all docs

120
docs citations

120
times ranked

6328
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct administration of mesenchymal stem cell-derived mitochondria improves cardiac function after infarction via ameliorating endothelial senescence. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	4
2	hESCs-derived Early Vascular Cell Spheroids for Cardiac Tissue Vascular Engineering and Myocardial Infarction Treatment. <i>Advanced Science</i> , 2022, 9, e2104299.	11.2	26
3	A Novel Metabolic Reprogramming Strategy for the Treatment of Diabetes-associated Breast Cancer. <i>Advanced Science</i> , 2022, 9, e2102303.	11.2	10
4	SiRNA-circFARSA-loaded porous silicon nanomaterials for pancreatic cancer treatment via inhibition of CircFARSA expression. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112672.	5.6	9
5	CD4 ⁺ FoxP3 ⁺ CD73 ⁺ regulatory T cell promotes cardiac healing post-myocardial infarction. <i>Theranostics</i> , 2022, 12, 2707-2721.	10.0	13
6	Effect of omega-3 polyunsaturated fatty acids on left ventricular remodeling in chronic heart failure: a systematic review and meta-analysis. <i>British Journal of Nutrition</i> , 2022, , 1-35.	2.3	5
7	Identification of a SARS-CoV-2 virus-encoded small non-coding RNA in association with the neurological disorders in COVID-19 patients. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 107.	17.1	11
8	Safety and efficacy of human umbilical cord mesenchymal stem cells for the treatment of sepsis induced by pneumonia: study protocol for a single-centre, randomised single-blind parallel group trial. <i>BMJ Open</i> , 2022, 12, e058444.	1.9	2
9	Abnormal global alternative RNA splicing in COVID-19 patients. <i>PLoS Genetics</i> , 2022, 18, e1010137.	3.5	21
10	Perivascular Fibrosis Is Mediated by a KLF10-IL-9 Signaling Axis in CD4 ⁺ T Cells. <i>Circulation Research</i> , 2022, 130, 1662-1681.	4.5	6
11	Disruption of GMNC-MCIDAS multiciliogenesis program is critical in choroid plexus carcinoma development. <i>Cell Death and Differentiation</i> , 2022, 29, 1596-1610.	11.2	7
12	Epidemiology and Outcomes of Acute Kidney Injury in COVID-19 Patients with Acute Respiratory Distress Syndrome: A Multicenter Retrospective Study. <i>Blood Purification</i> , 2021, 50, 499-505.	1.8	32
13	Vascular endothelial S1pr1 ameliorates adverse cardiac remodelling via stimulating reparative macrophage proliferation after myocardial infarction. <i>Cardiovascular Research</i> , 2021, 117, 585-599.	3.8	28
14	Single-cell transcriptomics of cardiac progenitors reveals functional subpopulations and their cooperative crosstalk in cardiac repair. <i>Protein and Cell</i> , 2021, 12, 152-157.	11.0	8
15	Fe ₃ O ₄ @M nanoparticles for MRI-targeted detection in the early lesions of atherosclerosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 33, 102348.	3.3	18
16	Recent advances in mesenchymal stem cell membrane-coated nanoparticles for enhanced drug delivery. <i>Biomaterials Science</i> , 2021, 9, 1088-1103.	5.4	64
17	Therapeutic silencing miR-146b-5p improves cardiac remodeling in a porcine model of myocardial infarction by modulating the wound reparative phenotype. <i>Protein and Cell</i> , 2021, 12, 194-212.	11.0	26
18	Endothelial Klf2-Foxp1-TGFβ ₂ signal mediates the inhibitory effects of simvastatin on maladaptive cardiac remodeling. <i>Theranostics</i> , 2021, 11, 1609-1625.	10.0	17

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19	Myocardial ischemiaâ€reperfusion induced cardiac extracellular vesicles harbour proinflammatory features and aggravate heart injury. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12072.	12.2	62
20	A Stronger Association of Epicardial Fat Volume with Non-Valvular Atrial Fibrillation Than Measures of General Obesity in Chinese Patients Undergoing Computed Tomography Coronary Angiography. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 1223-1232.	2.4	3
21	Conditioned medium from induced pluripotent stem cell-derived mesenchymal stem cells accelerates cutaneous wound healing through enhanced angiogenesis. <i>Stem Cell Research and Therapy</i> , 2021, 12, 295.	5.5	24
22	Cell Type-Specific Differentiation Between Indica and Japonica Rice Root Tip Responses to Different Environments Based on Single-Cell RNA Sequencing. <i>Frontiers in Genetics</i> , 2021, 12, 659500.	2.3	4
23	The Value of Blood Urea Nitrogen in the Prediction of Risks of Cardiovascular Disease in an Older Population. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 614117.	2.4	13
24	Association Between Renal Dysfunction and Low HDL Cholesterol Among the Elderly in China. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 644208.	2.4	7
25	NGF nanoparticles enhance the potency of transplanted human umbilical cord mesenchymal stem cells for myocardial repair. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1959-H1974.	3.2	9
26	A core-shell structured COVID-19 mRNA vaccine with favorable biodistribution pattern and promising immunity. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 213.	17.1	76
27	Integrated Multiomic Analysis Reveals the High-Fat Diet Induced Activation of the MAPK Signaling and Inflammation Associated Metabolic Cascades via Histone Modification in Adipose Tissues. <i>Frontiers in Genetics</i> , 2021, 12, 650863.	2.3	10
28	A MicroRNA-Based Network Provides Potential Predictive Signatures and Reveals the Crucial Role of PI3K/AKT Signaling for Hepatic Lineage Maturation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 670059.	3.7	3
29	Anti-androgen therapy induces transcriptomic reprogramming in metastatic castration-resistant prostate cancer in a murine model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166151.	3.8	4
30	CKAP4 Antibody-Conjugated Si Quantum Dot Micelles for Targeted Imaging of Lung Cancer. <i>Nanoscale Research Letters</i> , 2021, 16, 124.	5.7	10
31	A Three-Dimensional Imaging Method for the Quantification and Localization of Dynamic Cell Tracking Posttransplantation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 698795.	3.7	4
32	Dual-targeted and MRI-guided photothermal therapy<i>via</i>iron-based nanoparticles-incorporated neutrophils. <i>Biomaterials Science</i> , 2021, 9, 3968-3978.	5.4	19
33	Association of Periaortic Fat and Abdominal Visceral Fat with Coronary Artery Atherosclerosis in Chinese Middle Aged and Elderly Patients Undergoing Computed Tomography Coronary Angiography. <i>Global Heart</i> , 2021, 16, 74.	2.3	4
34	Comprehensive investigations revealed consistent pathophysiological alterations after vaccination with COVID-19 vaccines. <i>Cell Discovery</i> , 2021, 7, 99.	6.7	58
35	iDMer: an integrative and mechanism-driven response system for identifying compound interventions for sudden virus outbreak. <i>Briefings in Bioinformatics</i> , 2021, 22, 976-987.	6.5	8
36	Extracorporeal Membrane Oxygenation for COVID-19: Case Report of Nine Patients. <i>Frontiers in Medicine</i> , 2021, 8, 697338.	2.6	0

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37	Hyperhomocysteinemia Increases Risk of Metabolic Syndrome and Cardiovascular Death in an Elderly Chinese Community Population of a 7-Year Follow-Up Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 811670.	2.4	4
38	KDM2B promotes IL-6 production and inflammatory responses through Brg1-mediated chromatin remodeling. <i>Cellular and Molecular Immunology</i> , 2020, 17, 834-842.	10.5	32
39	Remote Control of Mechanical Forces via Mitochondrial-Targeted Magnetic NanospINNers for Efficient Cancer Treatment. <i>Small</i> , 2020, 16, e1905424.	10.0	39
40	Endothelial S1pr1 regulates pressure overload-induced cardiac remodeling through AKT-eNOS pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 2013-2026.	3.6	24
41	Layered double hydroxide eliminate embryotoxicity of chemotherapeutic drug through BMP-SMAD signaling pathway. <i>Biomaterials</i> , 2020, 230, 119602.	11.4	22
42	An evaluation of liraglutide including its efficacy and safety for the treatment of obesity. <i>Expert Opinion on Pharmacotherapy</i> , 2020, 21, 275-285.	1.8	34
43	Advances in Development of mRNA-Based Therapeutics. <i>Current Topics in Microbiology and Immunology</i> , 2020, , 1.	1.1	6
44	miR-301a-PTEN-AKT Signaling Induces Cardiomyocyte Proliferation and Promotes Cardiac Repair Post-MI. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 251-262.	5.1	26
45	Hepatocellular Senescence: Immunosurveillance and Future Senescence-Induced Therapy in Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 589908.	2.8	26
46	Epidemiological features and medical care-seeking process of patients with COVID-19 in Wuhan, China. <i>ERJ Open Research</i> , 2020, 6, 00142-2020.	2.6	14
47	Large-scale public venues as medical emergency sites in disasters: lessons from COVID-19 and the use of Fangcang shelter hospitals in Wuhan, China. <i>BMJ Global Health</i> , 2020, 5, e002815.	4.7	95
48	Melanoma Cell Membrane Biomimetic Versatile CuS Nanoprobes for Homologous Targeting Photoacoustic Imaging and Photothermal Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16031-16039.	8.0	58
49	Senescence in Mesenchymal Stem Cells: Functional Alterations, Molecular Mechanisms, and Rejuvenation Strategies. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 258.	3.7	142
50	Predictive Value of Uric Acid Regarding Cardiometabolic Disease in a Community-Dwelling Older Population in Shanghai: A Cohort Study. <i>Frontiers in Medicine</i> , 2020, 7, 24.	2.6	3
51	Cardio-renal Exosomes in Myocardial Infarction Serum Regulate Proangiogenic Paracrine Signaling in Adipose Mesenchymal Stem Cells. <i>Theranostics</i> , 2020, 10, 1060-1073.	10.0	56
52	Rational targeting of immunosuppressive neutrophils in cancer. , 2020, 212, 107556.		36
53	Metformin improves cognition of aged mice by promoting cerebral angiogenesis and neurogenesis. <i>Aging</i> , 2020, 12, 17845-17862.	3.1	28
54	<p>AHNAK2 Promotes Migration, Invasion, and Epithelial-Mesenchymal Transition in Lung Adenocarcinoma Cells via the TGF- β /Smad3 Pathway</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 12893-12903.	2.0	18

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55	A novel small molecule compound VCP979 improves ventricular remodeling in murine models of myocardial ischemia/reperfusion injury. <i>International Journal of Molecular Medicine</i> , 2020, 45, 353-364.	4.0	6
56	Special Issue on Advanced Diagnosis and Therapy for Major Diseases and Injuries. <i>Nano LIFE</i> , 2020, 10, 2002001.	0.9	1
57	Phosphatase PPM1L Prevents Excessive Inflammatory Responses and Cardiac Dysfunction after Myocardial Infarction by Inhibiting IKK β Activation. <i>Journal of Immunology</i> , 2019, 203, 1338-1347.	0.8	13
58	Endothelial Foxp1 Suppresses Atherosclerosis via Modulation of Nlrp3 Inflammasome Activation. <i>Circulation Research</i> , 2019, 125, 590-605.	4.5	109
59	AFC1 Compound Attenuated MI/R-Induced Ventricular Remodeling via Inhibiting PDGFR and STAT Pathway. <i>Frontiers in Pharmacology</i> , 2019, 10, 1142.	3.5	4
60	The Landscape of Tumor Fusion Neoantigens: A Pan-Cancer Analysis. <i>IScience</i> , 2019, 21, 249-260.	4.1	39
61	Cell membrane camouflaged nanoparticles: a new biomimetic platform for cancer photothermal therapy. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4431-4448.	6.7	86
62	Fourth Ventricular Meningiomas. <i>World Neurosurgery</i> , 2019, 127, e1201-e1209.	1.3	5
63	Dynamic Profile of CD4 ⁺ T-Cell-Associated Cytokines/Chemokines following Murine Myocardial Infarction/Reperfusion. <i>Mediators of Inflammation</i> , 2019, 2019, 1-19.	3.0	13
64	Cell Therapy and 3D Regenerative Tissue to Remodel Heart Failure. <i>Nano LIFE</i> , 2019, 09, 1941001.	0.9	2
65	Detection of cancer cells based on glycolytic-regulated surface electrical charges. <i>Biophysics Reports</i> , 2019, 5, 10-18.	0.8	71
66	Evaluating the efficacy and safety of atorvastatin + ezetimibe in a fixed-dose combination for the treatment of hypercholesterolemia. <i>Expert Opinion on Pharmacotherapy</i> , 2019, 20, 917-928.	1.8	17
67	Gut microbiota-generated metabolite trimethylamine N-oxide and the risk of diabetes: A systematic review and dose-response meta-analysis. <i>Obesity Reviews</i> , 2019, 20, 883-894.	6.5	124
68	Cell-Specific Effects of GATA (GATA Zinc Finger Transcription Factor Family)-6 in Vascular Smooth Muscle and Endothelial Cells on Vascular Injury Neointimal Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 888-901.	2.4	19
69	Distinct Circulating Expression Profiles of Long Noncoding RNAs in Heart Failure Patients With Ischemic and Nonischemic Dilated Cardiomyopathy. <i>Frontiers in Genetics</i> , 2019, 10, 1116.	2.3	15
70	Overexpression of ERBB4 rejuvenates aged mesenchymal stem cells and enhances angiogenesis via PI3K/AKT and MAPK/ERK pathways. <i>FASEB Journal</i> , 2019, 33, 4559-4570.	0.5	84
71	Human gingiva tissue-derived MSC ameliorates immune-mediated bone marrow failure of aplastic anemia suppression of Th1 and Th17 cells and enhancement of CD4 ⁺ Foxp3 ⁺ regulatory T cells differentiation. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 7627-7643.	0.0	13
72	Rap1 deficiency-provoked paracrine dysfunction impairs immunosuppressive potency of mesenchymal stem cells in allograft rejection of heart transplantation. <i>Cell Death and Disease</i> , 2018, 9, 386.	6.3	68

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73	Suspended graphene oxide nanosheets maintain the self-renewal of mouse embryonic stem cells via down-regulating the expression of Vinculin. <i>Biomaterials</i> , 2018, 171, 1-11.	11.4	22
74	Looking into the Future: Toward Advanced 3D Biomaterials for Stemâ€Cellâ€Based Regenerative Medicine. <i>Advanced Materials</i> , 2018, 30, e1705388.	21.0	120
75	Elevated Expression of miR302-367 in Endothelial Cells Inhibits Developmental Angiogenesis via CDC42/CCND1 Mediated Signaling Pathways. <i>Theranostics</i> , 2018, 8, 1511-1526.	10.0	14
76	Fasudil preserves lung endothelial function and reduces pulmonary vascular remodeling in a rat model of endâ€stage pulmonary hypertension with left heart disease. <i>International Journal of Molecular Medicine</i> , 2018, 42, 1341-1352.	4.0	16
77	MicroRNA-21 prevents excessive inflammation and cardiac dysfunction after myocardial infarction through targeting KBTBD7. <i>Cell Death and Disease</i> , 2018, 9, 769.	6.3	126
78	Impacts of femoral artery and vein excision versus femoral artery excision on the hindlimb ischemic model in CD-1 mice. <i>Microvascular Research</i> , 2017, 110, 48-55.	2.5	9
79	Autophagy induced by DAMPs facilitates the inflammation response in lungs undergoing ischemia-reperfusion injury through promoting TRAF6 ubiquitination. <i>Cell Death and Differentiation</i> , 2017, 24, 683-693.	11.2	81
80	Keratose Hydrogels Promote Vascular Smooth Muscle Differentiation from C-kit-Positive Human Cardiac Stem Cells. <i>Stem Cells and Development</i> , 2017, 26, 888-900.	2.1	12
81	Chloroquine exacerbates serum withdrawal-induced G₁ phase arrest via an autophagy-independent mechanism. <i>RSC Advances</i> , 2017, 7, 46082-46091.	3.6	2
82	Generation of a human control PBMC derived iPS cell line TUSMi001-A from a healthy male donor of Han Chinese genetic background. <i>Stem Cell Research</i> , 2017, 25, 22-25.	0.7	4
83	Uncontrolled Hypertension Increases with Age in an Older Community-Dwelling Chinese Population in Shanghai. , 2017, 8, 558.		17
84	Myoblast transplantation improves cardiac function after myocardial infarction through attenuating inflammatory responses. <i>Oncotarget</i> , 2017, 8, 68780-68794.	1.8	10
85	Large Mammalian Animal Models of Heart Disease. <i>Journal of Cardiovascular Development and Disease</i> , 2016, 3, 30.	1.6	92
86	Abdominal obesity is strongly associated with Cardiovascular Disease and its Risk Factors in Elderly and very Elderly Community-dwelling Chinese. <i>Scientific Reports</i> , 2016, 6, 21521.	3.3	85
87	A concise review of common animal models for the study of limb regeneration. <i>Organogenesis</i> , 2016, 12, 109-118.	1.2	7
88	High RhoA expression at the tumor front in clinically localized prostate cancer and association with poor tumor differentiation. <i>Oncology Letters</i> , 2016, 11, 1375-1381.	1.8	11
89	Higher prevalence of elevated LDL-C than non-HDL-C and low statin treatment rate in elderly community-dwelling Chinese with high cardiovascular risk. <i>Scientific Reports</i> , 2016, 6, 34268.	3.3	6
90	Superior angiogenesis facilitates digit regrowth in MRL/Mpj mice compared to C57BL/6 mice. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 907-912.	2.1	12

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91	Î2-Arrestin 2 Promotes Hepatocyte Apoptosis by Inhibiting Akt Protein. Journal of Biological Chemistry, 2016, 291, 605-612.	3.4	25
92	Small mammalian animal models of heart disease. American Journal of Cardiovascular Disease, 2016, 6, 70-80.	0.5	90
93	Development of Endothelial-Specific Single Inducible Lentiviral Vectors for Genetic Engineering of Endothelial Progenitor Cells. Scientific Reports, 2015, 5, 17166.	3.3	10
94	Lentivirus-mediated knockdown of rhomboid domain containing 1 inhibits colorectal cancer cell growth. Molecular Medicine Reports, 2015, 12, 377-381.	2.4	8
95	Time Course of Cell Sheet Adhesion to Porcine Heart Tissue after Transplantation. PLoS ONE, 2015, 10, e0137494.	2.5	22
96	Rho-Associated Kinase Inhibitor (Y-27632) Attenuates Doxorubicin-Induced Apoptosis of Human Cardiac Stem Cells. PLoS ONE, 2015, 10, e0144513.	2.5	22
97	Inflammation negatively regulates FOXP3 and regulatory T-cell function via DBC1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3246-54.	7.1	108
98	IL-25 regulates the polarization of macrophages and attenuates obliterative bronchiolitis in murine trachea transplantation models. International Immunopharmacology, 2015, 25, 383-392.	3.8	11
99	The screening value of baPWV and hs-crp to ASCVD in middle and elderly community population in Shanghai. International Journal of Cardiology, 2015, 186, 289-290.	1.7	2
100	C-Reactive Protein in Human Atherogenesis: Facts and Fiction. Mediators of Inflammation, 2014, 2014, 1-6.	3.0	31
101	The role of the RhoA/Rho kinase pathway in angiogenesis and its potential value in prostate cancer (Review). Oncology Letters, 2014, 8, 1907-1911.	1.8	46
102	Merit of Ginseng in the Treatment of Heart Failure in Type 1-Like Diabetic Rats. BioMed Research International, 2014, 2014, 1-8.	1.9	18
103	The function of BAFF on T helper cells in autoimmunity. Cytokine and Growth Factor Reviews, 2014, 25, 301-305.	7.2	66
104	Î2-Arrestin 2 Negatively Regulates Toll-like Receptor 4 (TLR4)-triggered Inflammatory Signaling via Targeting p38 MAPK and Interleukin 10. Journal of Biological Chemistry, 2014, 289, 23075-23085.	3.4	40
105	Critical role of <i>all-trans</i> retinoic acid in stabilizing human natural regulatory T cells under inflammatory conditions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3432-40.	7.1	206
106	Fasudil inhibits prostate cancer-induced angiogenesis in vitro. Oncology Reports, 2014, 32, 2795-2802.	2.6	9
107	CD4 ⁺ T cell subsets in transplantation. Immunological Reviews, 2013, 252, 183-191.	6.0	105
108	Merit of Anisodamine Combined with Opioid Receptor Activation in the Protection against Myocardial Injury during Cardiopulmonary Bypass. BioMed Research International, 2013, 2013, 1-9.	1.9	2

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109	Induced T regulatory cells suppress osteoclastogenesis and bone erosion in collagen-induced arthritis better than natural T regulatory cells. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 1567-1572.	0.9	92
110	A novel GATA4 mutation responsible for congenital ventricular septal defects. <i>Heart</i> , 2011, 97, A203-A204.	2.9	0
111	Association between risk factors and left ventricular remodelling in middle-aged and geriatric population: a community-based study. <i>Heart</i> , 2011, 97, A100-A101.	2.9	0
112	Experimental Studies on the Differentiation of Fibroblasts into Myoblasts induced by MyoD Genes in vitro. <i>International Journal of Biomedical Science</i> , 2008, 4, 14-9.	0.1	6
113	Myoblast Therapy: From Bench to Bedside. <i>Cell Transplantation</i> , 2006, 15, 455-462.	2.5	17