

Robert Chunhua Zhao

List of Publications by Year in descending order

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84
papers

4,946
citations

186265

28
h-index

128289

60
g-index

89
all docs

89
docs citations

89
times ranked

7843
citing authors

#	ARTICLE	IF	CITATIONS
1	Transplantation of ACE2- Mesenchymal Stem Cells Improves the Outcome of Patients with COVID-19 Pneumonia. , 2020, 11, 216.		921
2	Human adipose tissue-derived stem cells differentiate into endothelial cells in vitro and improve postnatal neovascularization in vivo. Biochemical and Biophysical Research Communications, 2005, 332, 370-379.	2.1	659
3	Exosomes secreted by mesenchymal stem cells promote endothelial cell angiogenesis by transferring miR-125a. Journal of Cell Science, 2016, 129, 2182-2189.	2.0	421
4	Exosomes from human adipose-derived mesenchymal stem cells promote migration through Wnt signaling pathway in a breast cancer cell model. Molecular and Cellular Biochemistry, 2013, 383, 13-20.	3.1	255
5	The roles of mesenchymal stem cells in tumor inflammatory microenvironment. Journal of Hematology and Oncology, 2014, 7, 14.	17.0	205
6	Lung tumor exosomes induce a pro-inflammatory phenotype in mesenchymal stem cells via NF κ B-TLR signaling pathway. Journal of Hematology and Oncology, 2016, 9, 42.	17.0	159
7	Long Noncoding RNA ADINR Regulates Adipogenesis by Transcriptionally Activating C/EBP β . Stem Cell Reports, 2015, 5, 856-865.	4.8	154
8	Exosomes released by hepatocarcinoma cells endow adipocytes with tumor-promoting properties. Journal of Hematology and Oncology, 2018, 11, 82.	17.0	114
9	Effects of Human Mesenchymal Stem Cells on the Differentiation of Dendritic Cells from CD34+Cells. Stem Cells and Development, 2007, 16, 719-732.	2.1	99
10	Exosomes secreted by mesenchymal stromal/stem cell-derived adipocytes promote breast cancer cell growth via activation of Hippo signaling pathway. Stem Cell Research and Therapy, 2019, 10, 117.	5.5	97
11	Single-cell RNA sequencing reveals a pro-invasive cancer-associated fibroblast subgroup associated with poor clinical outcomes in patients with gastric cancer. Theranostics, 2022, 12, 620-638.	10.0	94
12	Preformed gelatin microcryogels as injectable cell carriers for enhanced skin wound healing. Acta Biomaterialia, 2015, 25, 291-303.	8.3	92
13	Human Adipose-Derived Mesenchymal Stem Cell-Secreted CXCL1 and CXCL8 Facilitate Breast Tumor Growth By Promoting Angiogenesis. Stem Cells, 2017, 35, 2060-2070.	3.2	81
14	Mesenchymal stem cell treatment improves outcome of COVID-19 patients via multiple immunomodulatory mechanisms. Cell Research, 2021, 31, 1244-1262.	12.0	81
15	Mesenchymal stem cell-derived small extracellular vesicles mitigate oxidative stress-induced senescence in endothelial cells via regulation of miR-146a/Src. Signal Transduction and Targeted Therapy, 2021, 6, 354.	17.1	80
16	MSC-derived exosomes promote recovery from traumatic brain injury via microglia/macrophages in rat. Aging, 2020, 12, 18274-18296.	3.1	79
17	MiRNA-10b Reciprocally Stimulates Osteogenesis and Inhibits Adipogenesis Partly through the TGF- β /SMAD2 Signaling Pathway. , 2018, 9, 1058.		70
18	Low-Level Laser Effect on Proliferation, Migration, and Antiapoptosis of Mesenchymal Stem Cells. Stem Cells and Development, 2017, 26, 762-775.	2.1	68

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19	Keloid-derived keratinocytes acquire a fibroblast-like appearance and an enhanced invasive capacity in a hypoxic microenvironment in vitro. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1246-1256.	4.0	61
20	Generation of Highly Purified Neural Stem Cells from Human Adipose-Derived Mesenchymal Stem Cells by <i>Sox1</i> Activation. <i>Stem Cells and Development</i> , 2014, 23, 515-529.	2.1	55
21	microRNA-23a inhibits osteogenic differentiation of human bone marrow-derived mesenchymal stem cells by targeting LRP5. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 72, 55-62.	2.8	55
22	Mechanisms of and perspectives on the mesenchymal stem cell in immunotherapy. <i>Translational Research</i> , 2004, 143, 284-291.	2.3	54
23	Effects of Gastric Cancer Cell-Derived Exosomes on the Immune Regulation of Mesenchymal Stem Cells by the NF- κ B Signaling Pathway. <i>Stem Cells and Development</i> , 2019, 28, 464-476.	2.1	51
24	Reduced adipogenesis after lung tumor exosomes priming in human mesenchymal stem cells via TGF β 2 signaling pathway. <i>Molecular and Cellular Biochemistry</i> , 2017, 435, 59-66.	3.1	41
25	MSC-Derived Exosomes can Enhance the Angiogenesis of Human Brain MECs and Show Therapeutic Potential in a Mouse Model of Parkinson's Disease. , 2021, 12, 1211.		41
26	miR-450b Promotes Osteogenic Differentiation In Vitro and Enhances Bone Formation In Vivo by Targeting <i>BMP3</i> . <i>Stem Cells and Development</i> , 2018, 27, 600-611.	2.1	38
27	Stepwise Differentiation of Human Adipose-Derived Mesenchymal Stem Cells Toward Definitive Endoderm and Pancreatic Progenitor Cells by Mimicking Pancreatic Development In Vivo. <i>Stem Cells and Development</i> , 2013, 22, 1576-1587.	2.1	37
28	Lung cancer exosomes initiate global long non-coding RNA changes in mesenchymal stem cells. <i>International Journal of Oncology</i> , 2016, 48, 681-689.	3.3	36
29	The role of PKM2 nuclear translocation in the constant activation of the NF- κ B signaling pathway in cancer-associated fibroblasts. <i>Cell Death and Disease</i> , 2021, 12, 291.	6.3	36
30	Mesenchymal stem cells and immune disorders: from basic science to clinical transition. <i>Frontiers of Medicine</i> , 2019, 13, 138-151.	3.4	34
31	COVID-19 in India: Are Biological and Environmental Factors Helping to Stem the Incidence and Severity?. , 2020, 11, 480.		34
32	Long noncoding RNA lncAIS downregulation in mesenchymal stem cells is implicated in the pathogenesis of adolescent idiopathic scoliosis. <i>Cell Death and Differentiation</i> , 2019, 26, 1700-1715.	11.2	31
33	Stem Cell-Based Therapy for Coronavirus Disease 2019. <i>Stem Cells and Development</i> , 2020, 29, 679-681.	2.1	30
34	The role of phosphatidylserine on the membrane in immunity and blood coagulation. <i>Biomarker Research</i> , 2022, 10, 4.	6.8	30
35	LinK contributes to breast tumorigenesis by promoting proliferation and epithelial-to-mesenchymal transition. <i>Journal of Hematology and Oncology</i> , 2019, 12, 19.	17.0	29
36	An Autophagy-Related Gene Signature Associated With Clinical Prognosis and Immune Microenvironment in Gliomas. <i>Frontiers in Oncology</i> , 2020, 10, 571189.	2.8	29

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37	Differential miRNAs profile and bioinformatics analyses in bone marrow mesenchymal stem cells from adolescent idiopathic scoliosis patients. <i>Spine Journal</i> , 2019, 19, 1584-1596.	1.3	28
38	Pathogenesis of glucocorticoid-induced avascular necrosis: A microarray analysis of gene expression in vitro. <i>International Journal of Molecular Medicine</i> , 2015, 36, 678-684.	4.0	22
39	Rapid generation of functional hepatocyte-like cells from human adipose-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 105.	5.5	22
40	Polyethyleneimine-coating enhances adenoviral transduction of mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 383-387.	2.1	21
41	A Pilot Study On Ex Vivo Expanded Autologous Adipose-Derived Stem Cells of Improving Fat Retention in Localized Scleroderma Patients. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1148-1156.	3.3	21
42	Optimization of Reference Genes for Normalization of Reverse Transcription Quantitative Real-Time Polymerase Chain Reaction Results in Senescence Study of Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2016, 25, 1355-1365.	2.1	19
43	Long noncoding RNA ANCR inhibits the differentiation of mesenchymal stem cells toward definitive endoderm by facilitating the association of PTBP1 with ID2. <i>Cell Death and Disease</i> , 2019, 10, 492.	6.3	19
44	HIF-1 α promotes the migration and invasion of cancer-associated fibroblasts by miR-210. , 2021, 12, 1794.		19
45	Curcumin suppresses osteogenesis by inducing miR-126a-3p and subsequently suppressing the WNT/LRP6 pathway. <i>Aging</i> , 2019, 11, 6983-6998.	3.1	19
46	Chlorzoxazone, a small molecule drug, augments immunosuppressive capacity of mesenchymal stem cells via modulation of FOXO3 phosphorylation. <i>Cell Death and Disease</i> , 2020, 11, 158.	6.3	18
47	SPRY4 is responsible for pathogenesis of adolescent idiopathic scoliosis by contributing to osteogenic differentiation and melatonin response of bone marrow-derived mesenchymal stem cells. <i>Cell Death and Disease</i> , 2019, 10, 805.	6.3	17
48	Mesenchymal stem cell-based treatment in autoimmune liver diseases: underlying roles, advantages and challenges. <i>Therapeutic Advances in Chronic Disease</i> , 2021, 12, 204062232199344.	2.5	17
49	Reduced Immunogenicity of Induced Pluripotent Stem Cells Derived from Sertoli Cells. <i>PLoS ONE</i> , 2014, 9, e106110.	2.5	16
50	Epigenetically modulated LRRC33 acts as a negative physiological regulator for multiple Toll-like receptors. <i>Journal of Leukocyte Biology</i> , 2014, 96, 17-26.	3.3	15
51	Lnc13728 facilitates human mesenchymal stem cell adipogenic differentiation via positive regulation of ZBED3 and downregulation of the WNT/ β 2-catenin pathway. <i>Stem Cell Research and Therapy</i> , 2021, 12, 176.	5.5	15
52	Pterostilbene alleviates liver ischemia/reperfusion injury via PINK1-mediated mitophagy. <i>Journal of Pharmacological Sciences</i> , 2022, 148, 19-30.	2.5	14
53	Low level laser (LLL) attenuate LPS-induced inflammatory responses in mesenchymal stem cells via the suppression of NF- κ B signaling pathway in vitro. <i>PLoS ONE</i> , 2017, 12, e0179175.	2.5	14
54	Generation of Functional Hepatocytes from Human Adipose-Derived MYC+ KLF4+ GMNN+ Stem Cells Analyzed by Single-Cell RNA-Seq Profiling. <i>Stem Cells Translational Medicine</i> , 2018, 7, 792-805.	3.3	12

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55	Gastric Cancer Cell-Derived Exosomes Can Regulate the Biological Functions of Mesenchymal Stem Cells by Inducing the Expression of Circular RNA circ_0004303. <i>Stem Cells and Development</i> , 2021, 30, 830-842.	2.1	12
56	Chondroprotective Effects of Combination Therapy of Acupotomy and Human Adipose Mesenchymal Stem Cells in Knee Osteoarthritis Rabbits via the GSK3 β -Cyclin D1-CDK4/CDK6 Signaling Pathway. , 2020, 11, 1116.		12
57	Cancer-Associated Fibroblasts Promote the Upregulation of PD-L1 Expression Through Akt Phosphorylation in Colorectal Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 748465.	2.8	12
58	Pancreatic cancer cell exosomes induce lipidomics changes in adipocytes. <i>Adipocyte</i> , 2022, 11, 346-355.	2.8	10
59	Si Nanowire Biosensors Using a FinFET Fabrication Process for Real Time Monitoring Cellular Ion Activities. , 2018, , .		9
60	Mechanisms of the Immunomodulation Effects of Bone Marrow-Derived Mesenchymal Stem Cells on Facial Nerve Injury in Spragueâ€“Dawley Rats. <i>Stem Cells and Development</i> , 2019, 28, 489-496.	2.1	9
61	LncRNA LYPLAL1-AS1 rejuvenates human adipose-derived mesenchymal stem cell senescence via transcriptional MIRLET7B inactivation. <i>Cell and Bioscience</i> , 2022, 12, 45.	4.8	9
62	Long noncoding RNA LYPLAL1-AS1 regulates adipogenic differentiation of human mesenchymal stem cells by targeting desmoplakin and inhibiting the Wnt/ β -catenin pathway. <i>Cell Death Discovery</i> , 2021, 7, 105.	4.7	8
63	Preclinical Safety Evaluation of Human Mesenchymal Stem Cell Transplantation in Cerebrum of Nonhuman Primates. <i>International Journal of Toxicology</i> , 2014, 33, 403-411.	1.2	7
64	Long Non-coding RNA Regulation of Mesenchymal Stem Cell Homeostasis and Differentiation: Advances, Challenges, and Perspectives. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 711005.	3.7	7
65	Transcriptome Analysis of Long Noncoding RNAs in Toll-Like Receptor 3-Activated Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2016, 2016, 1-11.	2.5	6
66	Coating with spermine-pullulan polymer enhances adenoviral transduction of mesenchymal stem cells. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6763-6769.	6.7	6
67	Combined NOX/ROS/PKC Signaling Pathway and Metabolomic Analysis Reveals the Mechanism of TRAM34-Induced Endothelial Progenitor Cell Senescence. <i>Stem Cells and Development</i> , 2021, 30, 671-682.	2.1	6
68	Overexpression and characterization of recombinant human fusion protein ILâ€“6/ILâ€“2 (ch925). <i>Stem Cells</i> , 1994, 12, 339-347.	3.2	5
69	Sca1 ⁺ Lin [~] CD117 [~] Mouse Bone Marrow-Derived Mesenchymal Stem Cells Regulate Immature Dendritic Cell Maturation by Inhibiting TLR4-IRF8 Signaling Via the Notch-RBPJ Pathway. <i>Stem Cells and Development</i> , 2018, 27, 556-565.	2.1	5
70	Astragaloside IV Promotes Antiphotoaging by Enhancing the Proliferation and Paracrine Activity of Adipose-Derived Stem Cells. <i>Stem Cells and Development</i> , 2020, 29, 1285-1293.	2.1	5
71	Mesenchymal Stem Cells and Cell Therapy for Bone Repair. <i>Current Molecular Pharmacology</i> , 2016, 9, 289-299.	1.5	5
72	Irisin mediates beiging of adipose-derived mesenchymal stem cells through binding to TRPC3. <i>BMC Biology</i> , 2022, 20, 95.	3.8	5

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73	The distribution of transplanted human mesenchymal stem cells in the CNS of young Macaca fascicularis. Brain Research, 2014, 1579, 1-9.	2.2	4
74	A survey of 434 clinical trials about coronavirus disease 2019 in China. Journal of Medical Virology, 2020, 92, 1715-1717.	5.0	4
75	Slight up-regulation of Kir2.1 channel promotes endothelial progenitor cells to transdifferentiate into a pericyte phenotype by Akt/mTOR/Snail pathway. Journal of Cellular and Molecular Medicine, 2021, 25, 10088-10100.	3.6	4
76	Adipose-derived mesenchymal stem cells (AD-MSCs) in the treatment for psoriasis: results of a single-arm pilot trial. Annals of Translational Medicine, 2021, 9, 1653-1653.	1.7	4
77	In Vitro Survival of Human Mesenchymal Stem Cells is Enhanced in Artificial Endolymph with Moderately High Concentrations of Potassium. Stem Cells and Development, 2018, 27, 658-670.	2.1	3
78	Protective Effect of Mesenchymal Stem Cells on Isolated Islets Survival and Against Hypoxia Associated With the HIF-1 α /PFKFB3 Pathway. Cell Transplantation, 2022, 31, 096368972110731.	2.5	3
79	Identification of alpha-enolase as a potential immunogenic molecule during allogeneic transplantation of human adipose-derived mesenchymal stromal cells. Cytotherapy, 2021, , 1396.	0.7	2
80	Potential mesenchymal stem cell therapeutics for treating primary biliary cholangitis: advances, challenges, and perspectives. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	2
81	Intracranial High-Grade Stenosis and Hyperhomocysteinemia Presenting as Cortical Subarachnoid Hemorrhage Concomitant with Acute Ischemic Stroke in a Young Man. American Journal of Case Reports, 2020, 21, e920606.	0.8	1
82	Large-scale isolation of functional dermal papilla cells using novel surface marker <sc>LEPTIN R</sc>eceptor. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 675-681.	1.5	1
83	Effects of IL-6/IL-2 fusion gene transfection on tumour cell biological characteristics in vitro and in vivo. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 1997, 9, 281-284.	2.2	0
84	Co-Transplantation Haploidentical Mesenchymal Stem Cells and Hematopoietic Stem Cells with Nonmyeloablative Condition for Treatment of Relapsed or Refractory Acute Leukaemia.. Blood, 2005, 106, 5439-5439.	1.4	0