Qizhou Lian

List of Publications by Citations

85	5,057	32	70
papers	citations	h-index	g-index
91	6,065	6.6	5.32
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
85	Mesenchymal stem cells and immunomodulation: current status and future prospects. *Cell Death and Disease*, **2016**, 7, e2062	9.8	587
84	Paracrine mechanisms of mesenchymal stem cell-based therapy: current status and perspectives. *Cell Transplantation*, **2014**, 23, 1045-59	4	492
83	Functional mesenchymal stem cells derived from human induced pluripotent stem cells attenuate limb ischemia in mice. *Circulation*, **2010**, 121, 1113-23	16.7	416
82	A human iPSC model of Hutchinson Gilford Progeria reveals vascular smooth muscle and mesenchymal stem cell defects. *Cell Stem Cell*, **2011**, 8, 31-45	18	365
81	Derivation of clinically compliant MSCs from CD105+, CD24- differentiated human ESCs. *Stem Cells*, **2007**, 25, 425-36	5.8	267
80	Elucidating the secretion proteome of human embryonic stem cell-derived mesenchymal stem cells. *Molecular and Cellular Proteomics*, **2007**, 6, 1680-9	7.6	204
79	Mitochondrial transfer of induced pluripotent stem cell-derived mesenchymal stem cells to airway epithelial cells attenuates cigarette smoke-induced damage. *American Journal of Respiratory Cell and Molecular Biology*, **2014**, 51, 455-65	5.7	195
78	Fibroblast growth factor 21 prevents atherosclerosis by suppression of hepatic sterol regulatory element-binding protein-2 and induction of adiponectin in mice. *Circulation*, **2015**, 131, 1861-71	16.7	170
77	Human pluripotent stem cell-derived mesenchymal stem cells prevent allergic airway inflammation in mice. *Stem Cells*, **2012**, 30, 2692-9	5.8	134
76	iPSC-MSCs with High Intrinsic MIRO1 and Sensitivity to TNF-□Yield Efficacious Mitochondrial Transfer to Rescue Anthracycline-Induced Cardiomyopathy. *Stem Cell Reports*, **2016**, 7, 749-763	8	121
75	Mitochondrial transfer of mesenchymal stem cells effectively protects corneal epithelial cells from mitochondrial damage. *Cell Death and Disease*, **2016**, 7, e2467	9.8	120
74	Calcium homeostasis in human induced pluripotent stem cell-derived cardiomyocytes. *Stem Cell Reviews and Reports*, **2011**, 7, 976-86	6.4	109
73	Mesenchymal stem cells derived from human induced pluripotent stem cells modulate T-cell phenotypes in allergic rhinitis. *Allergy: European Journal of Allergy and Clinical Immunology*, **2012**, 67, 1215-22	9.3	105
72	Connexin 43-Mediated Mitochondrial Transfer of iPSC-MSCs Alleviates Asthma Inflammation. *Stem Cell Reports*, **2018**, 11, 1120-1135	8	95
71	Potent Paracrine Effects of human induced Pluripotent Stem Cell-derived Mesenchymal Stem Cells Attenuate Doxorubicin-induced Cardiomyopathy. *Scientific Reports*, **2015**, 5, 11235	4.9	75
70	Rap1-mediated nuclear factor-kappaB (NF-B) activity regulates the paracrine capacity of mesenchymal stem cells in heart repair following infarction. *Cell Death Discovery*, **2015**, 1, 15007	6.9	71
69	Mesenchymal stem cells alleviate oxidative stress-induced mitochondrial dysfunction in the airways. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 1634-1645.e5	11.5	70

68	Regulation of cell proliferation of human induced pluripotent stem cell-derived mesenchymal stem cells via ether-à-go-go 1 (hEAG1) potassium channel. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C115-25	5.4	65
67	CRISPR/Cas9 Genome-Editing System in Human Stem Cells: Current Status and Future Prospects. *Molecular Therapy - Nucleic Acids*, **2017**, 9, 230-241	10.7	61
66	Improved cell survival and paracrine capacity of human embryonic stem cell-derived mesenchymal stem cells promote therapeutic potential for pulmonary arterial hypertension. *Cell Transplantation*, **2012**, 21, 2225-39	4	59
65	Donation of mitochondria by iPSC-derived mesenchymal stem cells protects retinal ganglion cells against mitochondrial complex I defect-induced degeneration. *Theranostics*, **2019**, 9, 2395-2410	12.1	58
64	Mesenchymal stem cells modulate albumin-induced renal tubular inflammation and fibrosis. *PLoS ONE*, **2014**, 9, e90883	3.7	53
63	Insensitivity of Human iPS Cells-Derived Mesenchymal Stem Cells to Interferon-Ã-nduced HLA Expression Potentiates Repair Efficiency of Hind Limb Ischemia in Immune Humanized NOD Scid Gamma Mice. *Stem Cells*, **2015**, 33, 3452-67	5.8	52
62	Overexpression of ERBB4 rejuvenates aged mesenchymal stem cells and enhances angiogenesis via PI3K/AKT and MAPK/ERK pathways. *FASEB Journal*, **2019**, 33, 4559-4570	0.9	48
61	Rap1 deficiency-provoked paracrine dysfunction impairs immunosuppressive potency of mesenchymal stem cells in allograft rejection of heart transplantation. *Cell Death and Disease*, **2018**, 9, 386	9.8	47
60	Activation of NRG1-ERBB4 signaling potentiates mesenchymal stem cell-mediated myocardial repairs following myocardial infarction. *Cell Death and Disease*, **2015**, 6, e1765	9.8	45
59	Clinical significance and therapeutic value of glutathione peroxidase 3 (GPx3) in hepatocellular carcinoma. *Oncotarget*, **2014**, 5, 11103-20	3.3	45
58	Directed Differentiation of Human-Induced Pluripotent Stem Cells to Mesenchymal Stem Cells. *Methods in Molecular Biology*, **2016**, 1416, 289-98	1.4	42
57	Future perspective of induced pluripotent stem cells for diagnosis, drug screening and treatment of human diseases. *Thrombosis and Haemostasis*, **2010**, 104, 39-44	7	41
56	Loss of ATOH8 Increases Stem Cell Features of Hepatocellular Carcinoma Cells. *Gastroenterology*, **2015**, 149, 1068-81.e5	13.3	40
55	Perspective and challenges of mesenchymal stem cells for cardiovascular regeneration. *Expert Review of Cardiovascular Therapy*, **2013**, 11, 505-17	2.5	39
54	Differential effects of sevoflurane on the metastatic potential and chemosensitivity of non-small-cell lung adenocarcinoma and renal cell carcinoma inÂvitro. *British Journal of Anaesthesia*, **2018**, 120, 368-375	5.4	38
53	Platelet-derived growth factor enhances platelet recovery in a murine model of radiation-induced thrombocytopenia and reduces apoptosis in megakaryocytes via its receptors and the PI3-k/Akt pathway. *Haematologica*, **2010**, 95, 1745-53	6.6	32
52	iPSC-derived mesenchymal stem cells exert SCF-dependent recovery of cigarette smoke-induced apoptosis/proliferation imbalance in airway cells. *Journal of Cellular and Molecular Medicine*, **2017**, 21, 265-277	5.6	31
51	Promises of stem cell therapy for retinal degenerative diseases. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2011**, 249, 1439-48	3.8	31

50	Stem cells for myocardial repair. *Thrombosis and Haemostasis*, **2010**, 104, 6-12	7	31
49	Inhibition of RAP1 enhances corneal recovery following alkali injury. *Investigative Ophthalmology and Visual Science*, **2015**, 56, 711-21		27
48	Potent immunomodulation and angiogenic effects of mesenchymal stem cells versus cardiomyocytes derived from pluripotent stem cells for treatment of heart failure. *Stem Cell Research and Therapy*, **2019**, 10, 78	8.3	26
47	Dendritic cells-mediated CTLs targeting hepatocellular carcinoma stem cells. *Cancer Biology and Therapy*, **2010**, 10, 368-75	4.6	25
46	Human iPSC-MSC-Derived Xenografts Modulate Immune Responses by Inhibiting the Cleavage of Caspases. *Stem Cells*, **2017**, 35, 1719-1732	5.8	24
45	FGF21 Mediates Mesenchymal Stem Cell Senescence via Regulation of Mitochondrial Dynamics. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 4915149	6.7	24
44	Characterization of bridging integrator 1 (BIN1) as a potential tumor suppressor and prognostic marker in hepatocellular carcinoma. *Molecular Medicine*, **2012**, 18, 507-18	6.2	24
43	Serotonin enhances megakaryopoiesis and proplatelet formation via p-Erk1/2 and F-actin reorganization. *Stem Cells*, **2014**, 32, 2973-82	5.8	23
42	Directed Differentiation of Notochord-like and Nucleus Pulposus-like Cells Using Human Pluripotent Stem Cells. *Cell Reports*, **2020**, 30, 2791-2806.e5	10.6	22
41	Glutathione Peroxidase 3 Delivered by hiPSC-MSCs Ameliorated Hepatic IR Injury via Inhibition of Hepatic Senescence. *Theranostics*, **2018**, 8, 212-222	12.1	22
40	Adult mesenchymal stem cell ageing interplays with depressed mitochondrial Ndufs6. *Cell Death and Disease*, **2020**, 11, 1075	9.8	21
39	Distinct Disease Severity Between Children and Older Adults With Coronavirus Disease 2019 (COVID-19): Impacts of ACE2 Expression, Distribution, and Lung Progenitor Cells. *Clinical Infectious Diseases*, **2021**, 73, e4154-e4165	11.6	19
38	Absence of NUCKS augments paracrine effects of mesenchymal stem cells-mediated cardiac protection. *Experimental Cell Research*, **2017**, 356, 74-84	4.2	18
37	NLRP3 inflammasome induced liver graft injury through activation of telomere-independent RAP1/KC axis. *Journal of Pathology*, **2017**, 242, 284-296	9.4	17
36	Self-administration of propofol is mediated by dopamine D1 receptors in nucleus accumbens in rats. *Neuroscience*, **2013**, 231, 373-83	3.9	17
35	Thrombopoietin Protects Cardiomyocytes from Iron-Overload Induced Oxidative Stress and Mitochondrial Injury. *Cellular Physiology and Biochemistry*, **2015**, 36, 2063-71	3.9	16
34	PI3 K/Akt/mTOR-mediated translational control regulates proliferation and differentiation of lineage-restricted RoSH stem cell lines. *Journal of Molecular Signaling*, **2007**, 2, 9	1	16
33	Deferiprone inhibits iron overload-induced tissue factor bearing endothelial microparticle generation by inhibition oxidative stress induced mitochondrial injury, and apoptosis. *Toxicology and Applied Pharmacology*, **2018**, 338, 148-158	4.6	16

32	Induced Pluripotent Stem Cells-Derived Mesenchymal Stem Cells Attenuate Cigarette Smoke-Induced Cardiac Remodeling and Dysfunction. *Frontiers in Pharmacology*, **2017**, 8, 501	5.6	15
31	Generating mESC-derived insulin-producing cell lines through an intermediate lineage-restricted progenitor line. *Stem Cell Research*, **2009**, 2, 41-55	1.6	15
30	Repressor and activator protein accelerates hepatic ischemia reperfusion injury by promoting neutrophil inflammatory response. *Oncotarget*, **2016**, 7, 27711-23	3.3	15
29	Enhanced inflammatory response in neural tubes of embryos derived from diabetic mice exposed to a teratogen. *Journal of Neuroscience Research*, **2004**, 75, 554-64	4.4	14
28	The mini player with diverse functions: extracellular vesicles in cell biology, disease, and therapeutics. *Protein and Cell*, **2021**, 1	7.2	14
27	Inhibition of NUCKS Facilitates Corneal Recovery Following Alkali Burn. *Scientific Reports*, **2017**, 7, 41224	4.9	13
26	Paracrine regulation in mesenchymal stem cells: the role of Rap1. *Cell Death and Disease*, **2015**, 6, e1932	9.8	13
25	Human induced pluripotent stem cell-derived mesenchymal stem cells prevent adriamycin nephropathy in mice. *Oncotarget*, **2017**, 8, 103640-103656	3.3	13
24	Modeling COVID-19 with Human Pluripotent Stem Cell-Derived Cells Reveals Synergistic Effects of Anti-inflammatory Macrophages with ACE2 Inhibition Against SARS-CoV-2 **2020**,		13
23	Overexpression of myocardin induces partial transdifferentiation of human-induced pluripotent stem cell-derived mesenchymal stem cells into cardiomyocytes. *Physiological Reports*, **2014**, 2, e00237	2.6	12
22	Establishing clonal cell lines with endothelial-like potential from CD9(hi), SSEA-1(-) cells in embryonic stem cell-derived embryoid bodies. *PLoS ONE*, **2006**, 1, e6	3.7	10
21	Immunomodulation by systemic administration of human-induced pluripotent stem cell-derived mesenchymal stromal cells to enhance the therapeutic efficacy of cell-based therapy for treatment of myocardial infarction. *Theranostics*, **2021**, 11, 1641-1654	12.1	10
20	Management of Leigh syndrome: Current status and new insights. *Clinical Genetics*, **2018**, 93, 1131-1140	4	9
19	PSCs Reveal PUFA-Provoked Mitochondrial Stress as a Central Node Potentiating RPE Degeneration in Bietti's Crystalline Dystrophy. *Molecular Therapy*, **2020**, 28, 2642-2661	11.7	9
18	Vascular progenitor cell senescence in patients with Marfan syndrome. *Journal of Cellular and Molecular Medicine*, **2019**, 23, 4139-4152	5.6	8
17	Human Ocular Epithelial Cells Endogenously Expressing SOX2 and OCT4 Yield High Efficiency of Pluripotency Reprogramming. *PLoS ONE*, **2015**, 10, e0131288	3.7	8
16	Clinical analysis and pluripotent stem cells-based model reveal possible impacts of ACE2 and lung progenitor cells on infants vulnerable to COVID-19. *Theranostics*, **2021**, 11, 2170-2181	12.1	8
15	Insights into the prognosis of lipidomic dysregulation for death risk in patients with coronary artery disease. *Clinical and Translational Medicine*, **2020**, 10, e189	5.7	6

14	Analysis of complement-bound HCV complexes using a novel immuno-capture RT-PCR method. *Scandinavian Journal of Immunology*, **2002**, 56, 538-42	3.4	5
13	CPT-cGMP Is A New Ligand of Epithelial Sodium Channels. *International Journal of Biological Sciences*, **2016**, 12, 359-66	11.2	5
12	Modeling COVID-19 with Human Pluripotent Stem Cell-Derived Cells Reveals Synergistic Effects of Anti-inflammatory Macrophages with ACE2 Inhibition Against SARS-CoV-2		4
11	Differential effects of macrophage subtypes on SARS-CoV-2 infection in a human pluripotent stem cell-derived model.. *Nature Communications*, **2022**, 13, 2028	17.4	3
10	Analysis of complement-bound hepatitis B virus complexes by an immuno-capture polymerase chain reaction method. *Scandinavian Journal of Immunology*, **2003**, 58, 112-6	3.4	2
9	Enhanced expression of transforming growth factor-beta isoforms in the neural tube of embryos derived from diabetic mice exposed to cyclophosphamide. *Neuroscience Letters*, **2003**, 351, 51-5	3.3	2
8	Mesenchymal stem cells protect retinal ganglion cells from degeneration via mitochondrial donation		2
7	Energy Sources for Exosome Communication in a Cancer Microenvironment.. *Cancers*, **2022**, 14,	6.6	2
6	Optimal cells for cardiac repair and regeneration **2014**, 63-98		1
5	Impaired bone marrow microenvironment and stem cells in transfusion-dependent beta-thalassemia.. *Biomedicine and Pharmacotherapy*, **2021**, 146, 112548	7.5	1
4	Single-cell RNA sequencing identifies molecular targets associated with poor in vitro maturation performance of oocytes collected from ovarian stimulation. *Human Reproduction*, **2021**, 36, 1907-1921	5.7	1
3	Management of adrenoleukodystrophy: From pre-clinical studies to the development of new therapies. *Biomedicine and Pharmacotherapy*, **2021**, 143, 112214	7.5	1
2	Convalescent plasma is of limited clinical benefit in critically ill patients with coronavirus disease-2019: a cohort study. *Journal of Translational Medicine*, **2021**, 19, 365	8.5	0
1	TPO plus Tanshinone IIA has neural protective effect and this effect may be mediated via its receptor c-mpl and PI3K/Akt signaling. *Blood*, **2013**, 122, 5565-5565	2.2	