

Qizhou Lian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

#	Paper	IF	Citations
85	Energy Sources for Exosome Communication in a Cancer Microenvironment.. <i>Cancers</i> , 2022 , 14,	6.6	2
84	Differential effects of macrophage subtypes on SARS-CoV-2 infection in a human pluripotent stem cell-derived model.. <i>Nature Communications</i> , 2022 , 13, 2028	17.4	3
83	Impaired bone marrow microenvironment and stem cells in transfusion-dependent beta-thalassemia.. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 146, 112548	7.5	1
82	Single-cell RNA sequencing identifies molecular targets associated with poor in vitro maturation performance of oocytes collected from ovarian stimulation. <i>Human Reproduction</i> , 2021 , 36, 1907-1921	5.7	1
81	Clinical analysis and pluripotent stem cells-based model reveal possible impacts of ACE2 and lung progenitor cells on infants vulnerable to COVID-19. <i>Theranostics</i> , 2021 , 11, 2170-2181	12.1	8
80	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. <i>Theranostics</i> , 2021 , 11, 1641-1654	12.1	10
79	The mini player with diverse functions: extracellular vesicles in cell biology, disease, and therapeutics. <i>Protein and Cell</i> , 2021 , 1	7.2	14
78	Convalescent plasma is of limited clinical benefit in critically ill patients with coronavirus disease-2019: a cohort study. <i>Journal of Translational Medicine</i> , 2021 , 19, 365	8.5	0
77	Management of adrenoleukodystrophy: From pre-clinical studies to the development of new therapies. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 143, 112214	7.5	1
76	Distinct Disease Severity Between Children and Older Adults With Coronavirus Disease 2019 (COVID-19): Impacts of ACE2 Expression, Distribution, and Lung Progenitor Cells. <i>Clinical Infectious Diseases</i> , 2021 , 73, e4154-e4165	11.6	19
75	Adult mesenchymal stem cell ageing interplays with depressed mitochondrial Ndufs6. <i>Cell Death and Disease</i> , 2020 , 11, 1075	9.8	21
74	Directed Differentiation of Notochord-like and Nucleus Pulposus-like Cells Using Human Pluripotent Stem Cells. <i>Cell Reports</i> , 2020 , 30, 2791-2806.e5	10.6	22
73	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
72	PSCs Reveal PUFA-Provoked Mitochondrial Stress as a Central Node Potentiating RPE Degeneration in Bietti's Crystalline Dystrophy. <i>Molecular Therapy</i> , 2020 , 28, 2642-2661	11.7	9
71	Insights into the prognosis of lipidomic dysregulation for death risk in patients with coronary artery disease. <i>Clinical and Translational Medicine</i> , 2020 , 10, e189	5.7	6
70	Donation of mitochondria by iPSC-derived mesenchymal stem cells protects retinal ganglion cells against mitochondrial complex I defect-induced degeneration. <i>Theranostics</i> , 2019 , 9, 2395-2410	12.1	58
69	FGF21 Mediates Mesenchymal Stem Cell Senescence via Regulation of Mitochondrial Dynamics. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 4915149	6.7	24

68	Vascular progenitor cell senescence in patients with Marfan syndrome. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 4139-4152	5.6	8
67	Potent immunomodulation and angiogenic effects of mesenchymal stem cells versus cardiomyocytes derived from pluripotent stem cells for treatment of heart failure. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 78	8.3	26
66	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	0.9	48
65	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	9.8	47
64	Differential effects of sevoflurane on the metastatic potential and chemosensitivity of non-small-cell lung adenocarcinoma and renal cell carcinoma in vitro. <i>British Journal of Anaesthesia</i> , 2018 , 120, 368-375	5.4	38
63	Management of Leigh syndrome: Current status and new insights. <i>Clinical Genetics</i> , 2018 , 93, 1131-1140	4	9
62	Mesenchymal stem cells alleviate oxidative stress-induced mitochondrial dysfunction in the airways. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 1634-1645.e5	11.5	70
61	Glutathione Peroxidase 3 Delivered by hiPSC-MSCs Ameliorated Hepatic IR Injury via Inhibition of Hepatic Senescence. <i>Theranostics</i> , 2018 , 8, 212-222	12.1	22
60	Deferiprone inhibits iron overload-induced tissue factor bearing endothelial microparticle generation by inhibition oxidative stress induced mitochondrial injury, and apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2018 , 338, 148-158	4.6	16
59	Connexin 43-Mediated Mitochondrial Transfer of iPSC-MSCs Alleviates Asthma Inflammation. <i>Stem Cell Reports</i> , 2018 , 11, 1120-1135	8	95
58	Inhibition of NUCKS Facilitates Corneal Recovery Following Alkali Burn. <i>Scientific Reports</i> , 2017 , 7, 41224	4.9	13
57	Absence of NUCKS augments paracrine effects of mesenchymal stem cells-mediated cardiac protection. <i>Experimental Cell Research</i> , 2017 , 356, 74-84	4.2	18
56	Human iPSC-MSC-Derived Xenografts Modulate Immune Responses by Inhibiting the Cleavage of Caspases. <i>Stem Cells</i> , 2017 , 35, 1719-1732	5.8	24
55	NLRP3 inflammasome induced liver graft injury through activation of telomere-independent RAP1/KC axis. <i>Journal of Pathology</i> , 2017 , 242, 284-296	9.4	17
54	CRISPR/Cas9 Genome-Editing System in Human Stem Cells: Current Status and Future Prospects. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 9, 230-241	10.7	61
53	Human induced pluripotent stem cell-derived mesenchymal stem cells prevent adriamycin nephropathy in mice. <i>Oncotarget</i> , 2017 , 8, 103640-103656	3.3	13
52	iPSC-derived mesenchymal stem cells exert SCF-dependent recovery of cigarette smoke-induced apoptosis/proliferation imbalance in airway cells. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 265-277	5.6	31
51	Induced Pluripotent Stem Cells-Derived Mesenchymal Stem Cells Attenuate Cigarette Smoke-Induced Cardiac Remodeling and Dysfunction. <i>Frontiers in Pharmacology</i> , 2017 , 8, 501	5.6	15

50	Mitochondrial transfer of mesenchymal stem cells effectively protects corneal epithelial cells from mitochondrial damage. <i>Cell Death and Disease</i> , 2016 , 7, e2467	9.8	120
49	Mesenchymal stem cells and immunomodulation: current status and future prospects. <i>Cell Death and Disease</i> , 2016 , 7, e2062	9.8	587
48	Repressor and activator protein accelerates hepatic ischemia reperfusion injury by promoting neutrophil inflammatory response. <i>Oncotarget</i> , 2016 , 7, 27711-23	3.3	15
47	CPT-cGMP Is A New Ligand of Epithelial Sodium Channels. <i>International Journal of Biological Sciences</i> , 2016 , 12, 359-66	11.2	5
46	Directed Differentiation of Human-Induced Pluripotent Stem Cells to Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2016 , 1416, 289-98	1.4	42
45	iPSC-MSCs with High Intrinsic MIRO1 and Sensitivity to TNF- α Yield Efficacious Mitochondrial Transfer to Rescue Anthracycline-Induced Cardiomyopathy. <i>Stem Cell Reports</i> , 2016 , 7, 749-763	8	121
44	Loss of ATOH8 Increases Stem Cell Features of Hepatocellular Carcinoma Cells. <i>Gastroenterology</i> , 2015 , 149, 1068-81.e5	13.3	40
43	Potent Paracrine Effects of human induced Pluripotent Stem Cell-derived Mesenchymal Stem Cells Attenuate Doxorubicin-induced Cardiomyopathy. <i>Scientific Reports</i> , 2015 , 5, 11235	4.9	75
42	Fibroblast growth factor 21 prevents atherosclerosis by suppression of hepatic sterol regulatory element-binding protein-2 and induction of adiponectin in mice. <i>Circulation</i> , 2015 , 131, 1861-71	16.7	170
41	Inhibition of RAP1 enhances corneal recovery following alkali injury. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 711-21		27
40	Paracrine regulation in mesenchymal stem cells: the role of Rap1. <i>Cell Death and Disease</i> , 2015 , 6, e1932	9.8	13
39	Thrombopoietin Protects Cardiomyocytes from Iron-Overload Induced Oxidative Stress and Mitochondrial Injury. <i>Cellular Physiology and Biochemistry</i> , 2015 , 36, 2063-71	3.9	16
38	Activation of NRG1-ERBB4 signaling potentiates mesenchymal stem cell-mediated myocardial repairs following myocardial infarction. <i>Cell Death and Disease</i> , 2015 , 6, e1765	9.8	45
37	Insensitivity of Human iPS Cells-Derived Mesenchymal Stem Cells to Interferon- γ -Induced HLA Expression Potentiates Repair Efficiency of Hind Limb Ischemia in Immune Humanized NOD Scid Gamma Mice. <i>Stem Cells</i> , 2015 , 33, 3452-67	5.8	52
36	Rap1-mediated nuclear factor-kappaB (NF- κ B) activity regulates the paracrine capacity of mesenchymal stem cells in heart repair following infarction. <i>Cell Death Discovery</i> , 2015 , 1, 15007	6.9	71
35	Human Ocular Epithelial Cells Endogenously Expressing SOX2 and OCT4 Yield High Efficiency of Pluripotency Reprogramming. <i>PLoS ONE</i> , 2015 , 10, e0131288	3.7	8
34	Serotonin enhances megakaryopoiesis and proplatelet formation via p-Erk1/2 and F-actin reorganization. <i>Stem Cells</i> , 2014 , 32, 2973-82	5.8	23
33	Optimal cells for cardiac repair and regeneration 2014 , 63-98		1

32	Paracrine mechanisms of mesenchymal stem cell-based therapy: current status and perspectives. <i>Cell Transplantation</i> , 2014 , 23, 1045-59	4	492
31	Mesenchymal stem cells modulate albumin-induced renal tubular inflammation and fibrosis. <i>PLoS ONE</i> , 2014 , 9, e90883	3.7	53
30	Overexpression of myocardin induces partial transdifferentiation of human-induced pluripotent stem cell-derived mesenchymal stem cells into cardiomyocytes. <i>Physiological Reports</i> , 2014 , 2, e00237	2.6	12
29	Mitochondrial transfer of induced pluripotent stem cell-derived mesenchymal stem cells to airway epithelial cells attenuates cigarette smoke-induced damage. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014 , 51, 455-65	5.7	195
28	Clinical significance and therapeutic value of glutathione peroxidase 3 (GPx3) in hepatocellular carcinoma. <i>Oncotarget</i> , 2014 , 5, 11103-20	3.3	45
27	Self-administration of propofol is mediated by dopamine D1 receptors in nucleus accumbens in rats. <i>Neuroscience</i> , 2013 , 231, 373-83	3.9	17
26	Perspective and challenges of mesenchymal stem cells for cardiovascular regeneration. <i>Expert Review of Cardiovascular Therapy</i> , 2013 , 11, 505-17	2.5	39
25	TPO plus Tanshinone IIA has neural protective effect and this effect may be mediated via its receptor c-mpl and PI3K/Akt signaling. <i>Blood</i> , 2013 , 122, 5565-5565	2.2	
24	Mesenchymal stem cells derived from human induced pluripotent stem cells modulate T-cell phenotypes in allergic rhinitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012 , 67, 1215-22	9.3	105
23	Regulation of cell proliferation of human induced pluripotent stem cell-derived mesenchymal stem cells via ether- γ -go-go 1 (hEAG1) potassium channel. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C115-25	5.4	65
22	Characterization of bridging integrator 1 (BIN1) as a potential tumor suppressor and prognostic marker in hepatocellular carcinoma. <i>Molecular Medicine</i> , 2012 , 18, 507-18	6.2	24
21	Human pluripotent stem cell-derived mesenchymal stem cells prevent allergic airway inflammation in mice. <i>Stem Cells</i> , 2012 , 30, 2692-9	5.8	134
20	Improved cell survival and paracrine capacity of human embryonic stem cell-derived mesenchymal stem cells promote therapeutic potential for pulmonary arterial hypertension. <i>Cell Transplantation</i> , 2012 , 21, 2225-39	4	59
19	A human iPSC model of Hutchinson Gilford Progeria reveals vascular smooth muscle and mesenchymal stem cell defects. <i>Cell Stem Cell</i> , 2011 , 8, 31-45	18	365
18	Promises of stem cell therapy for retinal degenerative diseases. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 1439-48	3.8	31
17	Calcium homeostasis in human induced pluripotent stem cell-derived cardiomyocytes. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 976-86	6.4	109
16	Future perspective of induced pluripotent stem cells for diagnosis, drug screening and treatment of human diseases. <i>Thrombosis and Haemostasis</i> , 2010 , 104, 39-44	7	41
15	Stem cells for myocardial repair. <i>Thrombosis and Haemostasis</i> , 2010 , 104, 6-12	7	31

14	Functional mesenchymal stem cells derived from human induced pluripotent stem cells attenuate limb ischemia in mice. <i>Circulation</i> , 2010 , 121, 1113-23	16.7	416
13	Dendritic cells-mediated CTLs targeting hepatocellular carcinoma stem cells. <i>Cancer Biology and Therapy</i> , 2010 , 10, 368-75	4.6	25
12	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. <i>Haematologica</i> , 2010 , 95, 1745-53	6.6	32
11	Generating mESC-derived insulin-producing cell lines through an intermediate lineage-restricted progenitor line. <i>Stem Cell Research</i> , 2009 , 2, 41-55	1.6	15
10	Elucidating the secretion proteome of human embryonic stem cell-derived mesenchymal stem cells. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 1680-9	7.6	204
9	PI3 K/Akt/mTOR-mediated translational control regulates proliferation and differentiation of lineage-restricted RoSH stem cell lines. <i>Journal of Molecular Signaling</i> , 2007 , 2, 9	1	16
8	Derivation of clinically compliant MSCs from CD105+, CD24- differentiated human ESCs. <i>Stem Cells</i> , 2007 , 25, 425-36	5.8	267
7	Establishing clonal cell lines with endothelial-like potential from CD9(hi), SSEA-1(-) cells in embryonic stem cell-derived embryoid bodies. <i>PLoS ONE</i> , 2006 , 1, e6	3.7	10
6	Enhanced inflammatory response in neural tubes of embryos derived from diabetic mice exposed to a teratogen. <i>Journal of Neuroscience Research</i> , 2004 , 75, 554-64	4.4	14
5	Analysis of complement-bound hepatitis B virus complexes by an immuno-capture polymerase chain reaction method. <i>Scandinavian Journal of Immunology</i> , 2003 , 58, 112-6	3.4	2
4	Enhanced expression of transforming growth factor-beta isoforms in the neural tube of embryos derived from diabetic mice exposed to cyclophosphamide. <i>Neuroscience Letters</i> , 2003 , 351, 51-5	3.3	2
3	Analysis of complement-bound HCV complexes using a novel immuno-capture RT-PCR method. <i>Scandinavian Journal of Immunology</i> , 2002 , 56, 538-42	3.4	5
2	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
1	Mesenchymal stem cells protect retinal ganglion cells from degeneration via mitochondrial donation		2