Xuegang Yuan

List of Publications by Year
in descending order

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30	1,063	535685	563245
papers	citations	17 h-index	28 g-index

34	34	34	1595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering exosomal microRNAs in human pluripotent stem cells. , 2022, , 1-27.		3
2	Extended Ischemic Recovery After Implantation of Human Mesenchymal Stem Cell Aggregates Indicated by Sodium MRI at 21.1ÂT. Translational Stroke Research, 2022, 13, 543-555.	2.3	7
3	Engineering extracellular vesicles by threeâ€dimensional dynamic culture of human mesenchymal stem cells. Journal of Extracellular Vesicles, 2022, 11, .	5.5	45
4	Mesenchymal stem cell-derived extracellular vesicles ameliorate Alzheimer's disease-like phenotypes in a preclinical mouse model. Theranostics, 2021, 11, 8129-8142.	4.6	88
5	In Vitro Culture Expansion Shifts the Immune Phenotype of Human Adipose-Derived Mesenchymal Stem Cells. Frontiers in Immunology, 2021, 12, 621744.	2.2	31
6	Agitation in a microcarrier-based spinner flask bioreactor modulates homeostasis of human mesenchymal stem cells. Biochemical Engineering Journal, 2021, 168, 107947.	1.8	13
7	NODDI highlights recovery mechanisms in white and gray matter in ischemic stroke following human stem cell treatment. Magnetic Resonance in Medicine, 2021, 86, 3211-3223.	1.9	8
8	Extracellular Vesicle Collection from Human Stem Cells Grown in Suspension Bioreactors. Methods in Molecular Biology, 2021, , 193-204.	0.4	3
9	Multiparametric classification of subâ€acute ischemic stroke recovery with ultrafast diffusion, 23 Na, and MPIOâ€labeled stem cell MRI at 21.1ÂT. NMR in Biomedicine, 2020, 33, e4186.	1.6	4
10	Alix and Syntenin-1 direct amyloid precursor protein trafficking into extracellular vesicles. BMC Molecular and Cell Biology, 2020, 21, 58.	1.0	20
11	Cyclical aggregation extends in vitro expansion potential of human mesenchymal stem cells. Scientific Reports, 2020, 10, 20448.	1.6	13
12	NAD+/NADH redox alterations reconfigure metabolism and rejuvenate senescent human mesenchymal stem cells in vitro. Communications Biology, 2020, 3, 774.	2.0	36
13	Conjugating Micropatches to Living Cells Through Membrane Intercalation. ACS Applied Materials & Interfaces, 2020, 12, 29110-29121.	4.0	3
14	Influence of Microenvironment on Mesenchymal Stem Cell Therapeutic Potency: From Planar Culture to Microcarriers. Frontiers in Bioengineering and Biotechnology, 2020, 8, 640.	2.0	61
15	Aggregationâ€induced integrated stress response rejuvenates cultureâ€expanded human mesenchymal stem cells. Biotechnology and Bioengineering, 2020, 117, 3136-3149.	1.7	13
16	Functionalization of Brain Region-specific Spheroids with Isogenic Microglia-like Cells. Scientific Reports, 2019, 9, 11055.	1.6	119
17	Aggregation of human mesenchymal stem cells enhances survival and efficacy in stroke treatment. Cytotherapy, 2019, 21, 1033-1048.	0.3	29
18	Metabolism in Human Mesenchymal Stromal Cells: A Missing Link Between hMSC Biomanufacturing and Therapy?. Frontiers in Immunology, 2019, 10, 977.	2.2	77

#	Article	IF	Citations
19	Development of a microdevice-based human mesenchymal stem cell-mediated drug delivery system. Biomaterials Science, 2019, 7, 2348-2357.	2.6	14
20	Assembly of Human Stem Cell-Derived Cortical Spheroids and Vascular Spheroids to Model 3-D Brain-like Tissues. Scientific Reports, 2019, 9, 5977.	1.6	104
21	Genomics Analysis of Metabolic Pathways of Human Stem Cell-Derived Microglia-Like Cells and the Integrated Cortical Spheroids. Stem Cells International, 2019, 2019, 1-21.	1.2	24
22	Size-Dependent Cortical Compaction Induces Metabolic Adaptation in Mesenchymal Stem Cell Aggregates. Tissue Engineering - Part A, 2019, 25, 575-587.	1.6	19
23	Commitment to Aerobic Glycolysis Sustains Immunosuppression of Human Mesenchymal Stem Cells. Stem Cells Translational Medicine, 2019, 8, 93-106.	1.6	65
24	Aggregation of culture expanded human mesenchymal stem cells in microcarrier-based bioreactor. Biochemical Engineering Journal, 2018, 131, 39-46.	1.8	32
25	Neural Differentiation of Spheroids Derived from Human Induced Pluripotent Stem Cellsâ€“Mesenchymal Stem Cells Coculture. Tissue Engineering - Part A, 2018, 24, 915-929.	1.6	19
26	Effects of labeling human mesenchymal stem cells with superparamagnetic iron oxides on cellular functions and magnetic resonance contrast in hypoxic environments and long-term monitoring. Brain Circulation, 2018, 4, 133.	0.7	2
27	Aggregation kinetics of human mesenchymal stem cells under wave motion. Biotechnology Journal, 2017, 12, 1600448.	1.8	37
28	Hypoxia Regulation of Stem Cell. , 2017, , 273-291.		2
29	Tracking mesenchymal stem cells using magnetic resonance imaging. Brain Circulation, 2016, 2, 108.	0.7	16
30	Compaction, Fusion, and Functional Activation of Three-Dimensional Human Mesenchymal Stem Cell Aggregate. Tissue Engineering - Part A, 2015, 21, 1705-1719.	1.6	156