Yan Li

List of Publications by Year
in descending order

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53	2,460	236925	206112
papers	citations	25 h-index	48 g-index

54	54	54	3516
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	Long-Term Effects of Nanoscale Magnetite on Human Forebrain-like Tissue Development in Stem-Cell-Derived Cortical Spheroids. ACS Biomaterials Science and Engineering, 2022, 8, 801-813.	5.2	5
3	Microplastics exposure affects neural development of human pluripotent stem cell-derived cortical spheroids. Journal of Hazardous Materials, 2022, 435, 128884.	12.4	27
4	Engineering extracellular vesicles by threeâ€dimensional dynamic culture of human mesenchymal stem cells. Journal of Extracellular Vesicles, 2022, 11, .	12.2	45
5	Biogenesis of Extracellular Vesicles Produced from Human-Stem-Cell-Derived Cortical Spheroids Exposed to Iron Oxides. ACS Biomaterials Science and Engineering, 2021, 7, 1111-1122.	5.2	20
6	In Vitro Culture Expansion Shifts the Immune Phenotype of Human Adipose-Derived Mesenchymal Stem Cells. Frontiers in Immunology, 2021, 12, 621744.	4.8	31
7	Agitation in a microcarrier-based spinner flask bioreactor modulates homeostasis of human mesenchymal stem cells. Biochemical Engineering Journal, 2021, 168, 107947.	3.6	13
8	Hydrolytic Degradation of 3D-Printed Poly (Lactic Acid) Structures. Sustainable Development Research (ISSN 2690-9898 E-ISSN 2690-9901), 2021, 3, p17.	0.7	0
9	Dynamic 3D On-Chip BBB Model Design, Development, and Applications in Neurological Diseases. Cells, 2021, 10, 3183.	4.1	20
10	Extracellular Vesicle Collection from Human Stem Cells Grown in Suspension Bioreactors. Methods in Molecular Biology, 2021, , 193-204.	0.9	3
11	Human Stem Cell-derived Aggregates of Forebrain Astroglia Respond to Amyloid Beta Oligomers. Tissue Engineering - Part A, 2020, 26, 527-542.	3.1	6
12	Wnt-Notch Signaling Interactions During Neural and Astroglial Patterning of Human Stem Cells. Tissue Engineering - Part A, 2020, 26, 419-431.	3.1	22
13	Human Pluripotent Stem Cell-Derived Extracellular Vesicles: Characteristics and Applications. Tissue Engineering - Part B: Reviews, 2020, 26, 129-144.	4.8	34
14	Alix and Syntenin-1 direct amyloid precursor protein trafficking into extracellular vesicles. BMC Molecular and Cell Biology, 2020, 21, 58.	2.0	20
15	Cyclical aggregation extends in vitro expansion potential of human mesenchymal stem cells. Scientific Reports, 2020, 10, 20448.	3.3	13
16	NAD+/NADH redox alterations reconfigure metabolism and rejuvenate senescent human mesenchymal stem cells in vitro. Communications Biology, 2020, 3, 774.	4.4	36
17	Engineering Brain-Specific Pericytes from Human Pluripotent Stem Cells. Tissue Engineering - Part B: Reviews, 2020, 26, 367-382.	4.8	19
18	Engineering Stem Cell-Derived Extracellular Matrices: Decellularization, Characterization, and Biological Function. Tissue Engineering - Part B: Reviews, 2020, 26, 402-422.	4.8	44

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19	Influence of Microenvironment on Mesenchymal Stem Cell Therapeutic Potency: From Planar Culture to Microcarriers. Frontiers in Bioengineering and Biotechnology, 2020, 8, 640.	4.1	61
20	Aggregationâ€induced integrated stress response rejuvenates cultureâ€expanded human mesenchymal stem cells. Biotechnology and Bioengineering, 2020, 117, 3136-3149.	3.3	13
21	Functionalization of Brain Region-specific Spheroids with Isogenic Microglia-like Cells. Scientific Reports, 2019, 9, 11055.	3.3	119
22	Differential Effects of Extracellular Vesicles of Lineage-Specific Human Pluripotent Stem Cells on the Cellular Behaviors of Isogenic Cortical Spheroids. Cells, 2019, 8, 993.	4.1	29
23	The Use of Pluripotent Stem Cell-Derived Organoids to Study Extracellular Matrix Development during Neural Degeneration. Cells, 2019, 8, 242.	4.1	14
24	Assembly of Human Stem Cell-Derived Cortical Spheroids and Vascular Spheroids to Model 3-D Brain-like Tissues. Scientific Reports, 2019, 9, 5977.	3.3	104
25	Studying Heterotypic Cellâ€“Cell Interactions in the Human Brain Using Pluripotent Stem Cell Models for Neurodegeneration. Cells, 2019, 8, 299.	4.1	15
26	Cell population balance of cardiovascular spheroids derived from human induced pluripotent stem cells. Scientific Reports, 2019, 9, 1295.	3.3	23
27	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.	2.5	24
28	Modeling Neurodegenerative Microenvironment Using Cortical Organoids Derived from Human Stem Cells. Tissue Engineering - Part A, 2018, 24, 1125-1137.	3.1	55
29	Wnt/Yes-Associated Protein Interactions During Neural Tissue Patterning of Human Induced Pluripotent Stem Cells. Tissue Engineering - Part A, 2018, 24, 546-558.	3.1	25
30	Derivation of Cortical Spheroids from Human Induced Pluripotent Stem Cells in a Suspension Bioreactor. Tissue Engineering - Part A, 2018, 24, 418-431.	3.1	35
31	Neural Differentiation of Spheroids Derived from Human Induced Pluripotent Stem Cellsâ€“Mesenchymal Stem Cells Coculture. Tissue Engineering - Part A, 2018, 24, 915-929.	3.1	19
32	Differential Effects of Heparin and Hyaluronic Acid on Neural Patterning of Human Induced Pluripotent Stem Cells. ACS Biomaterials Science and Engineering, 2018, 4, 4354-4366.	5.2	30
33	Neuroprotective Activities of Heparin, Heparinase III, and Hyaluronic Acid on the AÎ²42-Treated Forebrain Spheroids Derived from Human Stem Cells. ACS Biomaterials Science and Engineering, 2018, 4, 2922-2933.	5.2	25
34	Vascular differentiation from pluripotent stem cells in 3â€Ð auxetic scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1679-1689.	2.7	21
35	Characterization of 3D pluripotent stem cell aggregates and the impact of their properties on bioprocessing. Process Biochemistry, 2017, 59, 276-288.	3.7	13
36	Roomâ€Temperature, Nearâ€Instantaneous Fabrication of Auxetic Materials with Constant Poisson's Ratio over Large Deformation. Advanced Materials, 2016, 28, 2822-2826.	21.0	67

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37	Nanotopography promoted neuronal differentiation of human induced pluripotent stem cells. Colloids and Surfaces B: Biointerfaces, 2016, 148, 49-58.	5.0	111
38	Neural patterning of human induced pluripotent stem cells in 3-D cultures for studying biomolecule-directed differential cellular responses. Acta Biomaterialia, 2016, 42, 114-126.	8.3	43
39	On the successful fabrication of auxetic polyurethane foams: Materials requirement, processing strategy and conversion mechanism. Polymer, 2016, 87, 98-107.	3.8	39
40	Wnt-YAP interactions in the neural fate of human pluripotent stem cells and the implications for neural organoid formation. Organogenesis, 2016, 12, 1-15.	1.2	13
41	Cryopreservation of embryonic stem cellâ€derived multicellular neural aggregates labeled with micronâ€sized particles of iron oxide for magnetic resonance imaging. Biotechnology Progress, 2015, 31, 510-521.	2.6	15
42	Controlling Redox Status for Stem Cell Survival, Expansion, and Differentiation. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-14.	4.0	108
43	The Microenvironment of Embryoid Bodies Modulated the Commitment to Neural Lineage Postcryopreservation. Tissue Engineering - Part C: Methods, 2015, 21, 356-366.	2.1	8
44	Differential effects of acellular embryonic matrices on pluripotent stem cell expansion and neural differentiation. Biomaterials, 2015, 73, 231-242.	11.4	69
45	Intracellular labeling of mouse embryonic stem cellâ€“derived neural progenitor aggregates with micron-sized particles of iron oxide. Cytotherapy, 2015, 17, 98-111.	0.7	22
46	In vitro organogenesis from pluripotent stem cells. Organogenesis, 2014, 10, 159-163.	1.2	29
47	Extracellular Matrices Decellularized from Embryonic Stem Cells Maintained Their Structure and Signaling Specificity. Tissue Engineering - Part A, 2014, 20, 54-66.	3.1	69
48	Process engineering of stem cell metabolism for large scale expansion and differentiation in bioreactors. Biochemical Engineering Journal, 2014, 84, 74-82.	3.6	35
49	Preconditioning Stem Cells for In Vivo Delivery. BioResearch Open Access, 2014, 3, 137-149.	2.6	144
50	Three-Dimensional Aggregates of Mesenchymal Stem Cells: Cellular Mechanisms, Biological Properties, and Applications. Tissue Engineering - Part B: Reviews, 2014, 20, 365-380.	4.8	318
51	Microenvironment Regulation of Pluripotent Stem Cell-Derived Neural Progenitor Aggregates by Human Mesenchymal Stem Cell Secretome. Tissue Engineering - Part A, 2014, 20, 2666-2679.	3.1	33
52	Cryopreservation of pluripotent stem cell aggregates in defined proteinâ€free formulation. Biotechnology Progress, 2013, 29, 143-153.	2.6	30
53	Transcriptome characterization elucidates signaling networks that control human ES cell growth and differentiation. Nature Biotechnology, 2004, 22, 707-716.	17.5	320