

Peng Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,604
citations

361413

20
h-index

361022

35
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42
all docs

42
docs citations

42
times ranked

2645
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of astroglia in Downâ€™s syndrome revealed by patient-derived human-induced pluripotent stem cells. <i>Nature Communications</i> , 2014, 5, 4430.	12.8	178
2	OLIG2 Drives Abnormal Neurodevelopmental Phenotypes in Human iPSC-Based Organoid and Chimeric Mouse Models of Down Syndrome. <i>Cell Stem Cell</i> , 2019, 24, 908-926.e8.	11.1	122
3	Human iPSC-derived mature microglia retain their identity and functionally integrate in the chimeric mouse brain. <i>Nature Communications</i> , 2020, 11, 1577.	12.8	108
4	Developing human pluripotent stem cell-based cerebral organoids with a controllable microglia ratio for modeling brain development and pathology. <i>Stem Cell Reports</i> , 2021, 16, 1923-1937.	4.8	107
5	Pluripotent Stem Cell-Derived Cerebral Organoids Reveal Human Oligodendrogenesis with Dorsal and Ventral Origins. <i>Stem Cell Reports</i> , 2019, 12, 890-905.	4.8	101
6	Concise Review: Quiescent and Active States of Endogenous Adult Neural Stem Cells: Identification and Characterization. <i>Stem Cells</i> , 2011, 29, 907-912.	3.2	100
7	Three-dimensional hyaluronic acid hydrogel-based models for in vitro human iPSC-derived NPC culture and differentiation. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3870-3878.	5.8	95
8	Na ⁺ /Ca ²⁺ Exchanger is a Determinant of Excitationâ€™Contraction Coupling in Human Embryonic Stem Cellâ€™Derived Ventricular Cardiomyocytes. <i>Stem Cells and Development</i> , 2010, 19, 773-782.	2.1	78
9	hESC-derived Olig2 ⁺ progenitors generate a subtype of astroglia with protective effects against ischaemic brain injury. <i>Nature Communications</i> , 2013, 4, 2196.	12.8	69
10	Immunomodulatory effects of xanthan gum in LPS-stimulated RAW 264.7 macrophages. <i>Carbohydrate Polymers</i> , 2017, 169, 65-74.	10.2	51
11	Electrophysiological properties of human induced pluripotent stem cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C486-C495.	4.6	50
12	OLIG gene targeting in human pluripotent stem cells for motor neuron and oligodendrocyte differentiation. <i>Nature Protocols</i> , 2011, 6, 640-655.	12.0	48
13	Establishment of a Human iPSC- and Nanofiber-Based Microphysiological Bloodâ€™Brain Barrier System. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21825-21835.	8.0	48
14	Type-I-interferon signaling drives microglial dysfunction and senescence in human iPSC models of Down syndrome and Alzheimerâ€™s disease. <i>Cell Stem Cell</i> , 2022, 29, 1135-1153.e8.	11.1	45
15	Human iPSC-Derived Immature Astroglia Promote Oligodendrogenesis by Increasing TIMP-1 Secretion. <i>Cell Reports</i> , 2016, 15, 1303-1315.	6.4	44
16	Chemically Induced Reprogramming of Somatic Cells to Pluripotent Stem Cells and Neural Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 226.	4.1	42
17	Differentiating human stem cells into neurons and glial cells for neural repair. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 65.	3.0	40
18	Generation and Characterization of Spiking and Nonspiking Oligodendroglial Progenitor Cells from Embryonic Stem Cells. <i>Stem Cells</i> , 2013, 31, 2620-2631.	3.2	37

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19	Humanized neuronal chimeric mouse brain generated by neonatally engrafted human iPSC-derived primitive neural progenitor cells. <i>JCI Insight</i> , 2016, 1, e88632.	5.0	33
20	Development of glial restricted human neural stem cells for oligodendrocyte differentiation in vitro and in vivo. <i>Scientific Reports</i> , 2019, 9, 9013.	3.3	28
21	Differentiation of Embryonic Stem Cells into Oligodendrocyte Precursors. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	20
22	Primary renal squamous cell carcinoma mimicking the renal cyst: a case report and review of the recent literature. <i>BMC Urology</i> , 2015, 15, 69.	1.4	20
23	Generating CNS organoids from human induced pluripotent stem cells for modeling neurological disorders. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2017, 9, 101-111.	0.8	20
24	Stem and Progenitor Cell-Derived Astroglia Therapies for Neurological Diseases. <i>Trends in Molecular Medicine</i> , 2015, 21, 715-729.	6.7	17
25	Zika Virus with Increased CpG Dinucleotide Frequencies Shows Oncolytic Activity in Glioblastoma Stem Cells. <i>Viruses</i> , 2020, 12, 579.	3.3	16
26	Broad activation of the Parkin pathway induces synaptic mitochondrial deficits in early tauopathy. <i>Brain</i> , 2022, 145, 305-323.	7.6	16
27	Impact of the Olig Family on Neurodevelopmental Disorders. <i>Frontiers in Neuroscience</i> , 2021, 15, 659601.	2.8	16
28	High-Fidelity Modeling of Human Microglia with Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2020, 26, 629-631.	11.1	13
29	Quercetin subunit specifically reduces GlyR-mediated current in rat hippocampal neurons. <i>Neuroscience</i> , 2007, 148, 548-559.	2.3	11
30	Oligodendrocyte progenitor cells derived from mouse embryonic stem cells give rise to type-1 and type-2 astrocytes in vitro. <i>Neuroscience Letters</i> , 2012, 523, 180-185.	2.1	7
31	Eosinophilic cystitis in a patient with hypereosinophilia syndrome: A case report. <i>Experimental and Therapeutic Medicine</i> , 2014, 8, 49-51.	1.8	4
32	The p38 ^Δ MAPK Deletion in Oligodendroglia does not Attenuate Myelination Defects in a Mouse Model of Periventricular Leukomalacia. <i>Neuroscience</i> , 2018, 386, 175-181.	2.3	4
33	Generation of human pluripotent stem cell-derived fused organoids with oligodendroglia and myelin. <i>STAR Protocols</i> , 2021, 2, 100443.	1.2	3
34	Regenerating white matter using human iPSC-derived immature astroglia. <i>Neurogenesis (Austin, Tex.)</i> , 2016, 3, e1224453.	1.5	2
35	Type I Interferon Signaling Drives Microglial Dysfunction and Senescence in Human iPSC Models of Down Syndrome and Alzheimer's Disease. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0