Peng Jiang

List of Publications by Year
in descending order

35 papers	1,604 citations	361413 20 h-index	361022 35 g-index
42 all docs	42 docs citations	42 times ranked	2645 citing authors

#	Article	IF	Citations
1	Broad activation of the Parkin pathway induces synaptic mitochondrial deficits in early tauopathy. Brain, 2022, 145, 305-323.	7.6	16
2	Type-I-interferon signaling drives microglial dysfunction and senescence in human iPSC models of Down syndrome and Alzheimerâ€™s disease. Cell Stem Cell, 2022, 29, 1135-1153.e8.	11.1	45
3	Impact of the Olig Family on Neurodevelopmental Disorders. Frontiers in Neuroscience, 2021, 15, 659601.	2.8	16
4	Generation of human pluripotent stem cell-derived fused organoids with oligodendroglia and myelin. STAR Protocols, 2021, 2, 100443.	1.2	3
5	Developing human pluripotent stem cell-based cerebral organoids with a controllable microglia ratio for modeling brain development and pathology. Stem Cell Reports, 2021, 16, 1923-1937.	4.8	107
6	High-Fidelity Modeling of Human Microglia with Pluripotent Stem Cells. Cell Stem Cell, 2020, 26, 629-631.	11.1	13
7	Zika Virus with Increased CpG Dinucleotide Frequencies Shows Oncolytic Activity in Glioblastoma Stem Cells. Viruses, 2020, 12, 579.	3.3	16
8	Human iPSC-derived mature microglia retain their identity and functionally integrate in the chimeric mouse brain. Nature Communications, 2020, 11, 1577.	12.8	108
9	Development of glial restricted human neural stem cells for oligodendrocyte differentiation in vitro and in vivo. Scientific Reports, 2019, 9, 9013.	3.3	28
10	OLIG2 Drives Abnormal Neurodevelopmental Phenotypes in Human iPSC-Based Organoid and Chimeric Mouse Models of Down Syndrome. Cell Stem Cell, 2019, 24, 908-926.e8.	11.1	122
11	Pluripotent Stem Cell-Derived Cerebral Organoids Reveal Human Oligodendrogenesis with Dorsal and Ventral Origins. Stem Cell Reports, 2019, 12, 890-905.	4.8	101
12	The p38Î± MAPK Deletion in Oligodendroglia does not Attenuate Myelination Defects in a Mouse Model of Periventricular Leukomalacia. Neuroscience, 2018, 386, 175-181.	2.3	4
13	Establishment of a Human iPSC- and Nanofiber-Based Microphysiological Bloodâ€“Brain Barrier System. ACS Applied Materials & Interfaces, 2018, 10, 21825-21835.	8.0	48
14	Three-dimensional hyaluronic acid hydrogel-based models for in vitro human iPSC-derived NPC culture and differentiation. Journal of Materials Chemistry B, 2017, 5, 3870-3878.	5.8	95
15	Immunomodulatory effects of xanthan gum in LPS-stimulated RAW 264.7 macrophages. Carbohydrate Polymers, 2017, 169, 65-74.	10.2	51
16	Generating CNS organoids from human induced pluripotent stem cells for modeling neurological disorders. International Journal of Physiology, Pathophysiology and Pharmacology, 2017, 9, 101-111.	0.8	20
17	Chemically Induced Reprogramming of Somatic Cells to Pluripotent Stem Cells and Neural Cells. International Journal of Molecular Sciences, 2016, 17, 226.	4.1	42
18	Regenerating white matter using human iPSC-derived immature astroglia. Neurogenesis (Austin, Tex), 2016, 3, e1224453.	1.5	2

#	Article	IF	Citations
19	Human iPSC-Derived Immature Astroglia Promote Oligodendrogenesis by Increasing TIMP-1 Secretion. Cell Reports, 2016, 15, 1303-1315.	6.4	44
20	Humanized neuronal chimeric mouse brain generated by neonatally engrafted human iPSC-derived primitive neural progenitor cells. JCI Insight, 2016, 1, e88632.	5.0	33
21	Stem and Progenitor Cell-Derived Astroglia Therapies for Neurological Diseases. Trends in Molecular Medicine, 2015, 21, 715-729.	6.7	17
22	Primary renal squamous cell carcinoma mimicking the renal cyst: a case report and review of the recent literature. BMC Urology, 2015, 15, 69.	1.4	20
23	Role of astroglia in Downâ€™s syndrome revealed by patient-derived human-induced pluripotent stem cells. Nature Communications, 2014, 5, 4430.	12.8	178
24	Eosinophilic cystitis in a patient with hypereosinophila syndrome: A case report. Experimental and Therapeutic Medicine, 2014, 8, 49-51.	1.8	4
25	hESC-derived Olig2+ progenitors generate a subtype of astroglia with protective effects against ischaemic brain injury. Nature Communications, 2013, 4, 2196.	12.8	69
26	Generation and Characterization of Spiking and Nonspiking Oligodendroglial Progenitor Cells from Embryonic Stem Cells. Stem Cells, 2013, 31, 2620-2631.	3.2	37
27	Differentiating human stem cells into neurons and glial cells for neural repair. Frontiers in Bioscience - Landmark, 2012, 17, 65.	3.0	40
28	Oligodendrocyte progenitor cells derived from mouse embryonic stem cells give rise to type-1 and type-2 astrocytes in vitro. Neuroscience Letters, 2012, 523, 180-185.	2.1	7
29	OLIG gene targeting in human pluripotent stem cells for motor neuron and oligodendrocyte differentiation. Nature Protocols, 2011, 6, 640-655.	12.0	48
30	Concise Review: Quiescent and Active States of Endogenous Adult Neural Stem Cells: Identification and Characterization. Stem Cells, 2011, 29, 907-912.	3.2	100
31	Differentiation of Embryonic Stem Cells into Oligodendrocyte Precursors. Journal of Visualized Experiments, 2010, , .	0.3	20
32	Na⁺/Ca²⁺Exchanger is a Determinant of Excitationâ€“Contraction Coupling in Human Embryonic Stem Cellâ€“Derived Ventricular Cardiomyocytes. Stem Cells and Development, 2010, 19, 773-782.	2.1	78
33	Electrophysiological properties of human induced pluripotent stem cells. American Journal of Physiology - Cell Physiology, 2010, 298, C486-C495.	4.6	50
34	Quercetin subunit specifically reduces GlyR-mediated current in rat hippocampal neurons. Neuroscience, 2007, 148, 548-559.	2.3	11
35	Type I Interferon Signaling Drives Microglial Dysfunction and Senescence in Human iPSC Models of Down Syndrome and Alzheimer's Disease. SSRN Electronic Journal, 0, , .	0.4	0