

Baoyang Hu

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,366
citations

196777

29
h-index

162838

57
g-index

60
all docs

60
docs citations

60
times ranked

7964
citing authors

#	ARTICLE	IF	CITATIONS
1	Re-defining and tackling the emerging challenges in stem cell research and translation: A report of the 10th CSSCR annual meeting. <i>Cell Proliferation</i> , 2022, , e13186.	2.4	1
2	Human ESC-derived immunity and matrix-regulatory cells ameliorated white matter damage and vascular cognitive impairment in rats subjected to chronic cerebral hypoperfusion. <i>Cell Proliferation</i> , 2022, 55, e13223.	2.4	4
3	Selective reaction of conjugated polymers with basic proteins for broad-spectrum antivirulence therapy. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	0
4	Single-nucleus transcriptomic landscape of primate hippocampal aging. <i>Protein and Cell</i> , 2021, 12, 695-716.	4.8	49
5	Infusion of hESC derived Immunity and matrix regulatory cells improves cognitive ability in early-stage AD mice. <i>Cell Proliferation</i> , 2021, 54, e13085.	2.4	10
6	Neuronal Cell-based Medicines from Pluripotent Stem Cells: Development, Production, and Preclinical Assessment. <i>Stem Cells Translational Medicine</i> , 2021, 10, S31-S40.	1.6	12
7	A single-cell transcriptomic landscape of the lungs of patients with COVID-19. <i>Nature Cell Biology</i> , 2021, 23, 1314-1328.	4.6	91
8	First case of COVID-19 infused with hESC derived immunity and matrix-regulatory cells. <i>Cell Proliferation</i> , 2020, 53, e12943.	2.4	7
9	Stem Cell Therapy for Parkinson's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1266, 21-38.	0.8	7
10	Phase 1 trial for treatment of COVID-19 patients with pulmonary fibrosis using hESC-MRCs. <i>Cell Proliferation</i> , 2020, 53, e12944.	2.4	19
11	Immunity-and-matrix-regulatory cells derived from human embryonic stem cells safely and effectively treat mouse lung injury and fibrosis. <i>Cell Research</i> , 2020, 30, 794-809.	5.7	57
12	Generation of qualified clinical-grade functional hepatocytes from human embryonic stem cells in chemically defined conditions. <i>Cell Death and Disease</i> , 2019, 10, 763.	2.7	20
13	The effect of clinical-grade retinal pigment epithelium derived from human embryonic stem cells using different transplantation strategies. <i>Protein and Cell</i> , 2019, 10, 455-460.	4.8	7
14	Reactive Amphiphilic Conjugated Polymers for Inhibiting Amyloid β^2 Assembly. <i>Angewandte Chemie</i> , 2019, 131, 6049-6054.	1.6	16
15	Precisely controlling endogenous protein dosage in hPSCs and derivatives to model FOXG1 syndrome. <i>Nature Communications</i> , 2019, 10, 928.	5.8	33
16	Zika virus infection induces RNAi-mediated antiviral immunity in human neural progenitors and brain organoids. <i>Cell Research</i> , 2019, 29, 265-273.	5.7	115
17	Reactive Amphiphilic Conjugated Polymers for Inhibiting Amyloid β^2 Assembly. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5988-5993.	7.2	60
18	Generation of clinical-grade functional cardiomyocytes from human embryonic stem cells in chemically defined conditions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 153-163.	1.3	8

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19	Precise immune tolerance for hPSC derivatives in clinical application. <i>Cellular Immunology</i> , 2018, 326, 15-23.	1.4	1
20	Human embryonic stem cells contribute to embryonic and extraembryonic lineages in mouse embryos upon inhibition of apoptosis. <i>Cell Research</i> , 2018, 28, 126-129.	5.7	46
21	Generation of Bimaternal and Bipaternal Mice from Hypomethylated Haploid ESCs with Imprinting Region Deletions. <i>Cell Stem Cell</i> , 2018, 23, 665-676.e4.	5.2	56
22	Zinc finger E-box-binding homeobox 1 (ZEB1) is required for neural differentiation of human embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 19317-19329.	1.6	19
23	A Chemical Recipe for Generation of Clinical-Grade Striatal Neurons from hESCs. <i>Stem Cell Reports</i> , 2018, 11, 635-650.	2.3	27
24	A fully defined static suspension culture system for large-scale human embryonic stem cell production. <i>Cell Death and Disease</i> , 2018, 9, 892.	2.7	23
25	RBM14 is indispensable for pluripotency maintenance and mesoderm development of mouse embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 501, 259-265.	1.0	9
26	SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. <i>Nature</i> , 2018, 560, 661-665.	13.7	128
27	Human Clinical-Grade Parthenogenetic ESC-Derived Dopaminergic Neurons Recover Locomotive Defects of Nonhuman Primate Models of Parkinson's Disease. <i>Stem Cell Reports</i> , 2018, 11, 171-182.	2.3	83
28	Differential antiviral immunity to Japanese encephalitis virus in developing cortical organoids. <i>Cell Death and Disease</i> , 2018, 9, 719.	2.7	40
29	The zinc finger E-box-binding homeobox 1 (Zeb1) promotes the conversion of mouse fibroblasts into functional neurons. <i>Journal of Biological Chemistry</i> , 2017, 292, 12959-12970.	1.6	14
30	Accreditation of Biosafe Clinical-Grade Human Embryonic Stem Cells According to Chinese Regulations. <i>Stem Cell Reports</i> , 2017, 9, 366-380.	2.3	40
31	High autophagic flux guards ESC identity through coordinating autophagy machinery gene program by FOXO1. <i>Cell Death and Differentiation</i> , 2017, 24, 1672-1680.	5.0	52
32	Sporadic ALS Astrocytes Induce Neuronal Degeneration In Vivo. <i>Stem Cell Reports</i> , 2017, 8, 843-855.	2.3	105
33	A single mutation in the prM protein of Zika virus contributes to fetal microcephaly. <i>Science</i> , 2017, 358, 933-936.	6.0	399
34	Rat embryonic stem cells produce fertile offspring through tetraploid complementation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11974-11979.	3.3	15
35	Treatment of multiple sclerosis by transplantation of neural stem cells derived from induced pluripotent stem cells. <i>Science China Life Sciences</i> , 2016, 59, 950-957.	2.3	40
36	Conversion of Fibroblasts to Parvalbumin Neurons by One Transcription Factor, Ascl1, and the Chemical Compound Forskolin. <i>Journal of Biological Chemistry</i> , 2016, 291, 13560-13570.	1.6	25

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37	ATG3-dependent autophagy mediates mitochondrial homeostasis in pluripotency acquirement and maintenance. <i>Autophagy</i> , 2016, 12, 2000-2008.	4.3	79
38	Tet3-Mediated DNA Demethylation Contributes to the Direct Conversion of Fibroblast to Functional Neuron. <i>Cell Reports</i> , 2016, 17, 2326-2339.	2.9	23
39	Phase II Multicenter, Randomized, Double-Blind Controlled Study of Efficacy and Safety of Umbilical Cord-Derived Mesenchymal Stromal Cells in the Prophylaxis of Chronic Graft-Versus-Host Disease After HLA-Haploidentical Stem-Cell Transplantation. <i>Journal of Clinical Oncology</i> , 2016, 34, 2843-2850.	0.8	131
40	Birth of fertile bimaternal offspring following intracytoplasmic injection of parthenogenetic haploid embryonic stem cells. <i>Cell Research</i> , 2016, 26, 135-138.	5.7	40
41	Phosphatidic Acid Improves Reprogramming to Pluripotency by Reducing Apoptosis. <i>Stem Cells and Development</i> , 2016, 25, 43-54.	1.1	9
42	Estrogen therapy to treat retinopathy in newborn mice. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 611-617.	0.8	2
43	Immunogenicity and functional evaluation of iPSC-derived organs for transplantation. <i>Cell Discovery</i> , 2015, 1, 15015.	3.1	12
44	One-step generation of p53 gene biallelic mutant Cynomolgus monkey via the CRISPR/Cas system. <i>Cell Research</i> , 2015, 25, 258-261.	5.7	91
45	Human-derived neural progenitors functionally replace astrocytes in adult mice. <i>Journal of Clinical Investigation</i> , 2015, 125, 1033-1042.	3.9	67
46	Regulations in the United States for Cell Transplantation Clinical Trials in Neurological Diseases. <i>Translational Neuroscience and Clinics</i> , 2015, 1, 114-124.	0.1	1
47	Rapid and Efficient Assembly of Transcription Activator-Like Effector Genes by USER Cloning. <i>Journal of Genetics and Genomics</i> , 2014, 41, 339-347.	1.7	6
48	Induced Pluripotency for Translational Research. <i>Genomics, Proteomics and Bioinformatics</i> , 2013, 11, 288-293.	3.0	9
49	Specification of functional neurons and glia from human pluripotent stem cells. <i>Protein and Cell</i> , 2012, 3, 818-825.	4.8	15
50	Human Embryonic Stem Cell-Derived GABA Neurons Correct Locomotion Deficits in Quinolinic Acid-Lesioned Mice. <i>Cell Stem Cell</i> , 2012, 10, 455-464.	5.2	258
51	Neural differentiation of human induced pluripotent stem cells follows developmental principles but with variable potency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4335-4340.	3.3	927
52	Directed Differentiation of Neural-stem cells and Subtype-Specific Neurons from hESCs. <i>Methods in Molecular Biology</i> , 2010, 636, 123-137.	0.4	71
53	Cre Recombination-Mediated Cassette Exchange for Building Versatile Transgenic Human Embryonic Stem Cells Lines. <i>Stem Cells</i> , 2009, 27, 1032-1041.	1.4	38
54	Differentiation of spinal motor neurons from pluripotent human stem cells. <i>Nature Protocols</i> , 2009, 4, 1295-1304.	5.5	271

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55	Differentiation of human oligodendrocytes from pluripotent stem cells. Nature Protocols, 2009, 4, 1614-1622.	5.5	226
56	Human oligodendrocytes from embryonic stem cells: conserved SHH signaling networks and divergent FGF effects. Development (Cambridge), 2009, 136, 1443-1452.	1.2	152
57	Directed Differentiation of Ventral Spinal Progenitors and Motor Neurons from Human Embryonic Stem Cells by Small Molecules. Stem Cells, 2008, 26, 886-893.	1.4	269
58	Acute photoreceptor degeneration down-regulates melanopsin expression in adult rat retina. Neuroscience Letters, 2006, 400, 48-52.	1.0	29