

Naihe Jing

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

3,275
citations

218677

26
h-index

189892

50
g-index

85
all docs

85
docs citations

85
times ranked

5556
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of embryonic and two extra-embryonic stem cell types into gastrulating embryo-like structures. <i>Nature Cell Biology</i> , 2018, 20, 979-989.	10.3	248
2	Lung regeneration by multipotent stem cells residing at the bronchioalveolar-duct junction. <i>Nature Genetics</i> , 2019, 51, 728-738.	21.4	231
3	Single-Cell Transcriptomic Analysis of Cardiac Differentiation from Human PSCs Reveals HOPX-Dependent Cardiomyocyte Maturation. <i>Cell Stem Cell</i> , 2018, 23, 586-598.e8.	11.1	215
4	The transcription factor Pou3f1 promotes neural fate commitment via activation of neural lineage genes and inhibition of external signaling pathways. <i>ELife</i> , 2014, 3, .	6.0	213
5	Spatial transcriptomic analysis of cryosectioned tissue samples with Geo-seq. <i>Nature Protocols</i> , 2017, 12, 566-580.	12.0	213
6	Spatial Transcriptome for the Molecular Annotation of Lineage Fates and Cell Identity in Mid-gastrula Mouse Embryo. <i>Developmental Cell</i> , 2016, 36, 681-697.	7.0	201
7	Molecular architecture of lineage allocation and tissue organization in early mouse embryo. <i>Nature</i> , 2019, 572, 528-532.	27.8	163
8	Distinct functions of BMP4 during different stages of mouse ES cell neural commitment. <i>Development (Cambridge)</i> , 2010, 137, 2095-2105.	2.5	115
9	Single-Cell RNA-Seq Reveals Cellular Heterogeneity of Pluripotency Transition and X Chromosome Dynamics during Early Mouse Development. <i>Cell Reports</i> , 2019, 26, 2593-2607.e3.	6.4	102
10	Genome editing with CRISPR/Cas9 in postnatal mice corrects PRKAG2 cardiac syndrome. <i>Cell Research</i> , 2016, 26, 1099-1111.	12.0	101
11	Different Transcription Factors Regulate nestin Gene Expression during P19 Cell Neural Differentiation and Central Nervous System Development. <i>Journal of Biological Chemistry</i> , 2009, 284, 8160-8173.	3.4	85
12	ESC-Derived Basal Forebrain Cholinergic Neurons Ameliorate the Cognitive Symptoms Associated with Alzheimer's Disease in Mouse Models. <i>Stem Cell Reports</i> , 2015, 5, 776-790.	4.8	75
13	Dual Roles of Histone H3 Lysine 9 Acetylation in Human Embryonic Stem Cell Pluripotency and Neural Differentiation. <i>Journal of Biological Chemistry</i> , 2015, 290, 2508-2520.	3.4	68
14	TRPC6 specifically interacts with APP to inhibit its cleavage by β -secretase and reduce $A\beta$ production. <i>Nature Communications</i> , 2015, 6, 8876.	12.8	60
15	Formative pluripotent stem cells show features of epiblast cells poised for gastrulation. <i>Cell Research</i> , 2021, 31, 526-541.	12.0	53
16	Mouse knockout models reveal largely dispensable but context-dependent functions of lncRNAs during development. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 175-178.	3.3	48
17	Sequential formation and resolution of multiple rosettes drive embryo remodelling after implantation. <i>Nature Cell Biology</i> , 2018, 20, 1278-1289.	10.3	48
18	A 3D Atlas of Hematopoietic Stem and Progenitor Cell Expansion by Multi-dimensional RNA-Seq Analysis. <i>Cell Reports</i> , 2019, 27, 1567-1578.e5.	6.4	45

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19	Inhibition of Transforming Growth Factor \hat{I}^2 (TGF- \hat{I}^2) Signaling can Substitute for Oct4 Protein in Reprogramming and Maintain Pluripotency. <i>Journal of Biological Chemistry</i> , 2015, 290, 4500-4511.	3.4	42
20	A secreted microRNA disrupts autophagy in distinct tissues of <i>Caenorhabditis elegans</i> upon ageing. <i>Nature Communications</i> , 2019, 10, 4827.	12.8	40
21	VGLL4 plays a critical role in heart valve development and homeostasis. <i>PLoS Genetics</i> , 2019, 15, e1007977.	3.5	40
22	M-CSF, IL-6, and TGF- \hat{I}^2 promote generation of a new subset of tissue repair macrophage for traumatic brain injury recovery. <i>Science Advances</i> , 2021, 7, .	10.3	40
23	Imbalance of Excitatory/Inhibitory Neuron Differentiation in Neurodevelopmental Disorders with an NR2F1 Point Mutation. <i>Cell Reports</i> , 2020, 31, 107521.	6.4	37
24	Human Neural Stem Cells Reinforce Hippocampal Synaptic Network and Rescue Cognitive Deficits in a Mouse Model of Alzheimer's Disease. <i>Stem Cell Reports</i> , 2019, 13, 1022-1037.	4.8	36
25	CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating neocortical development. <i>Cell Research</i> , 2017, 27, 815-829.	12.0	35
26	Conserved Epigenetic Regulatory Logic Infers Genes Governing Cell Identity. <i>Cell Systems</i> , 2020, 11, 625-639.e13.	6.2	31
27	Using Single-Cell and Spatial Transcriptomes to Understand Stem Cell Lineage Specification During Early Embryo Development. <i>Annual Review of Genomics and Human Genetics</i> , 2020, 21, 163-181.	6.2	31
28	Inference of differentiation time for single cell transcriptomes using cell population reference data. <i>Nature Communications</i> , 2017, 8, 1856.	12.8	30
29	Transcriptome analysis reveals determinant stages controlling human embryonic stem cell commitment to neuronal cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 19590-19604.	3.4	29
30	The Zinc Finger Transcription Factor <i>Ovol2</i> Acts Downstream of the Bone Morphogenetic Protein Pathway to Regulate the Cell Fate Decision between Neuroectoderm and Mesendoderm*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6166-6177.	3.4	28
31	<i>Nlx2.5</i> marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta. <i>ELife</i> , 2017, 6, .	6.0	27
32	TGF- \hat{I}^2 signaling pathway in early mouse development and embryonic stem cells. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 68-73.	2.0	27
33	Silencing of developmental genes by H3K27me3 and DNA methylation reflects the discrepant plasticity of embryonic and extraembryonic lineages. <i>Cell Research</i> , 2018, 28, 593-596.	12.0	26
34	Histone deacetylation promotes mouse neural induction by restricting Nodal-dependent mesendoderm fate. <i>Nature Communications</i> , 2015, 6, 6830.	12.8	25
35	Ectodermal progenitors derived from epiblast stem cells by inhibition of Nodal signaling. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 455-465.	3.3	24
36	Mediator <i>Med23</i> deficiency enhances neural differentiation of murine embryonic stem cells through modulating BMP signaling. <i>Development (Cambridge)</i> , 2015, 142, 465-76.	2.5	24

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37	Intrinsic regulations in neural fate commitment. <i>Development Growth and Differentiation</i> , 2015, 57, 109-120.	1.5	24
38	The promise of stem cells in the therapy of Alzheimer's disease. <i>Translational Neurodegeneration</i> , 2015, 4, 8.	8.0	21
39	Base-Editing-Mediated R17H Substitution in Histone H3 Reveals Methylation-Dependent Regulation of Yap Signaling and Early Mouse Embryo Development. <i>Cell Reports</i> , 2019, 26, 302-312.e4.	6.4	21
40	Molecular Mechanisms Underlying Ascl1-Mediated Astrocyte-to-Neuron Conversion. <i>Stem Cell Reports</i> , 2021, 16, 534-547.	4.8	21
41	AF9 promotes hESC neural differentiation through recruiting TET2 to neurodevelopmental gene loci for methylcytosine hydroxylation. <i>Cell Discovery</i> , 2015, 1, 15017.	6.7	20
42	Opposing Roles of Acetylation and Phosphorylation in LIFR-Dependent Self-Renewal Growth Signaling in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2017, 18, 933-946.	6.4	19
43	BAD-mediated neuronal apoptosis and neuroinflammation contribute to Alzheimer's disease pathology. <i>IScience</i> , 2021, 24, 102942.	4.1	19
44	Dynamics of Wnt activity on the acquisition of ectoderm potency in epiblast stem cells. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	18
45	Suppressing Nodal Signaling Activity Predisposes Ectodermal Differentiation of Epiblast Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 43-57.	4.8	16
46	Distinct enhancer signatures in the mouse gastrula delineate progressive cell fate continuum during embryo development. <i>Cell Research</i> , 2019, 29, 911-926.	12.0	16
47	Hormones induce the formation of luminal-derived basal cells in the mammary gland. <i>Cell Research</i> , 2019, 29, 206-220.	12.0	14
48	Accelerated evolution of an Lhx2 enhancer shapes mammalian social hierarchies. <i>Cell Research</i> , 2020, 30, 408-420.	12.0	14
49	Dynamic Heterogeneity of Brachyury in Mouse Epiblast Stem Cells Mediates Distinct Response to Extrinsic Bone Morphogenetic Protein (BMP) Signaling. <i>Journal of Biological Chemistry</i> , 2016, 291, 15212-15225.	3.4	13
50	Epigenetic regulation of early neural fate commitment. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 1399-1411.	5.4	13
51	Abnormal Paraventricular Nucleus of Hypothalamus and Growth Retardation Associated with Loss of Nuclear Receptor Gene COUP-TFII. <i>Scientific Reports</i> , 2017, 7, 5282.	3.3	13
52	SOX21 Ensures Rostral Forebrain Identity by Suppression of WNT8B during Neural Regionalization of Human Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2019, 13, 1038-1052.	4.8	13
53	Probing the therapeutic potential of TRPC6 for Alzheimer's disease in live neurons from patient-specific iPSCs. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 807-816.	3.3	13
54	Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells. <i>Neuroscience Bulletin</i> , 2017, 33, 361-364.	2.9	11

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55	Regulation of zebrafish dorsoventral patterning by phase separation of RNA-binding protein Rbm14. <i>Cell Discovery</i> , 2019, 5, 37.	6.7	10
56	Synthetic amyloid- β^2 oligomers drive early pathological progression of Alzheimer's disease in nonhuman primates. <i>IScience</i> , 2021, 24, 103207.	4.1	9
57	TGF β^2 signaling hyperactivation-induced tumorigenicity during the derivation of neural progenitors from mouse ESCs. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 216-228.	3.3	8
58	Mitochondrial replacement in macaque monkey offspring by first polar body transfer. <i>Cell Research</i> , 2021, 31, 233-236.	12.0	8
59	Genome-wide ChIP-seq and RNA-seq analyses of Pou3f1 during mouse pluripotent stem cell neural fate commitment. <i>Genomics Data</i> , 2015, 5, 375-377.	1.3	7
60	Mouse gastrulation: Attributes of transcription factor regulatory network for epiblast patterning. <i>Development Growth and Differentiation</i> , 2018, 60, 463-472.	1.5	6
61	A gene regulatory network anchored by LIM homeobox 1 for embryonic head development. <i>Genesis</i> , 2018, 56, e23246.	1.6	6
62	SOX1 Is Required for the Specification of Rostral Hindbrain Neural Progenitor Cells from Human Embryonic Stem Cells. <i>IScience</i> , 2020, 23, 101475.	4.1	6
63	C-KIT Expression Distinguishes Fetal from Postnatal Skeletal Progenitors. <i>Stem Cell Reports</i> , 2020, 14, 614-630.	4.8	6
64	The genome-wide molecular regulation of mouse gastrulation embryo. <i>Science China Life Sciences</i> , 2017, 60, 363-369.	4.9	5
65	Lineage specification of early embryos and embryonic stem cells at the dawn of enabling technologies. <i>National Science Review</i> , 2017, 4, 533-542.	9.5	5
66	BMP signaling pathway and spinal cord development. <i>Frontiers in Biology</i> , 2012, 7, 24-29.	0.7	4
67	Embryonic vascular establishment requires protein C receptor-expressing endothelial progenitors. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	4
68	Genome-wide analysis of histone acetylation dynamics during mouse embryonic stem cell neural differentiation. <i>Genomics Data</i> , 2015, 5, 15-16.	1.3	3
69	Pluripotent Stem Cell Studies Elucidate the Underlying Mechanisms of Early Embryonic Development. <i>Genes</i> , 2011, 2, 298-312.	2.4	2
70	Protocol for generating human induced neural progenitor cells from immobilized adult peripheral blood. <i>STAR Protocols</i> , 2021, 2, 100346.	1.2	2
71	Wholemount in situ Hybridization for Spatial-temporal Visualization of Gene Expression in Early Post-implantation Mouse Embryos. <i>Bio-protocol</i> , 2021, 11, e4229.	0.4	2
72	The long-term survival and functional maturation of human iNPC-derived neurons in the basal forebrain of cynomolgus monkeys. , 2022, 1, 196-206.		2

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73	Generation of human induced pluripotent stem cell line FDCHDPi001-A from a Chinese Han Touretteâ€™s syndrome patient. Stem Cell Research, 2021, 52, 102227.	0.7	1
74	SUN-050 The Evolutionarily Conserved Function of COUP-TF Genes in the Differentiation of Photoreceptor Cells in the Retina. Journal of the Endocrine Society, 2019, 3, .	0.2	0