Tongbiao Zhao

List of Publications by Year
in descending order

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48 papers	4,401 citations	304743 22 h-index	243625 44 g-index
49 all docs	49 docs citations	49 times ranked	6494 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td	9.1	1,430
2	Immunogenicity of induced pluripotent stem cells. Nature, 2011, 474, 212-215.	27.8	1,305
3	Humanized Mice Reveal Differential Immunogenicity of Cells Derived from Autologous Induced Pluripotent Stem Cells. Cell Stem Cell, 2015, 17, 353-359.	11.1	198
4	p53 and stem cells: new developments and new concerns. Trends in Cell Biology, 2010, 20, 170-175.	7.9	138
5	Phosphorylation stabilizes Nanog by promoting its interaction with Pin1. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13312-13317.	7.1	131
6	Granzyme K cleaves the nucleosome assembly protein SET to induce single-stranded DNA nicks of target cells. Cell Death and Differentiation, 2007, 14, 489-499.	11.2	84
7	Granzyme K Directly Processes Bid to Release Cytochrome c and Endonuclease G Leading to Mitochondria-dependent Cell Death. Journal of Biological Chemistry, 2007, 282, 12104-12111.	3.4	80
8	ATG3-dependent autophagy mediates mitochondrial homeostasis in pluripotency acquirement and maintenance. Autophagy, 2016, 12, 2000-2008.	9.1	79
9	Chimeric antigen receptor T (CAR-T) cells expanded with IL-7/IL-15 mediate superior antitumor effects. Protein and Cell, 2019, 10, 764-769.	11.0	73
10	mTOR signaling promotes stem cell activation via counterbalancing BMP-mediated suppression during hair regeneration. Journal of Molecular Cell Biology, 2015, 7, 62-72.	3.3	71
11	Granzyme M Directly Cleaves Inhibitor of Caspase-Activated DNase (CAD) to Unleash CAD Leading to DNA Fragmentation. Journal of Immunology, 2006, 177, 1171-1178.	0.8	67
12	The physiological roles of autophagy in the mammalian life cycle. Biological Reviews, 2019, 94, 503-516.	10.4	63
13	Granzyme K degrades the redox/DNA repair enzyme Ape1 to trigger oxidative stress of target cells leading to cytotoxicity. Molecular Immunology, 2008, 45, 2225-2235.	2.2	55
14	Granzyme H induces apoptosis of target tumor cells characterized by DNA fragmentation and Bid-dependent mitochondrial damage. Molecular Immunology, 2008, 45, 1044-1055.	2.2	54
15	High autophagic flux guards ESC identity through coordinating autophagy machinery gene program by FOXO1. Cell Death and Differentiation, 2017, 24, 1672-1680.	11.2	52
16	Cells derived from iPSC can be immunogenic â€" Yes or No?. Protein and Cell, 2014, 5, 1-3.	11.0	51
17	Using Flow Cytometry to Compare the Dynamics of Photoreceptor Outer Segment Phagocytosis in iPS-Derived RPE Cells. , 2012, 53, 6282.		46
18	Clinical Therapy Using iPSCs: Hopes and Challenges. Genomics, Proteomics and Bioinformatics, 2013, 11, 294-298.	6.9	41

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19	Treatment of multiple sclerosis by transplantation of neural stem cells derived from induced pluripotent stem cells. Science China Life Sciences, 2016, 59, 950-957.	4.9	40
20	Phosphorylation of ULK1 by AMPK is essential for mouse embryonic stem cell self-renewal and pluripotency. Cell Death and Disease, 2018, 9, 38.	6.3	37
21	USP8 maintains embryonic stem cell stemness via deubiquitination of EPG5. Nature Communications, 2019, 10, 1465.	12.8	35
22	Cloning of hypoxia-inducible factor 1Î± cDNA from a high hypoxia tolerant mammalâ€”plateau pika (Ochotona curzoniae). Biochemical and Biophysical Research Communications, 2004, 316, 565-572.	2.1	32
23	Understanding the roadmaps to induced pluripotency. Cell Death and Disease, 2014, 5, e1232-e1232.	6.3	25
24	Tet3-Mediated DNA Demethylation Contributes to the Direct Conversion of Fibroblast to Functional Neuron. Cell Reports, 2016, 17, 2326-2339.	6.4	23
25	Enhance anti-lung tumor efficacy of chimeric antigen receptor-T cells by ectopic expression of Câ€“C motif chemokine receptor 6. Science Bulletin, 2021, 66, 803-812.	9.0	17
26	ERK inhibition promotes neuroectodermal precursor commitment by blocking self-renewal and primitive streak formation of the epiblast. Stem Cell Research and Therapy, 2018, 9, 2.	5.5	15
27	PINK1â€mediated mitophagy maintains pluripotency through optineurin. Cell Proliferation, 2021, 54, e13034.	5.3	15
28	BNIP3 (BCL2 interacting protein 3) regulates pluripotency by modulating mitochondrial homeostasis via mitophagy. Cell Death and Disease, 2022, 13, 334.	6.3	15
29	The genomic stability of induced pluripotent stem cells. Protein and Cell, 2012, 3, 271-277.	11.0	14
30	Human mesenchymal stem cells. Cell Proliferation, 2022, 55, e13141.	5.3	14
31	Genistein sensitizes sarcoma cells in vitro and in vivo by enhancing apoptosis and by inhibiting DSB repair pathways. Journal of Radiation Research, 2016, 57, 227-237.	1.6	13
32	Cellular metabolism and homeostasis in pluripotency regulation. Protein and Cell, 2020, 11, 630-640.	11.0	13
33	Immunogenicity and functional evaluation of iPSC-derived organs for transplantation. Cell Discovery, 2015, 1, 15015.	6.7	12
34	General requirements for stem cells. Cell Proliferation, 2020, 53, e12926.	5.3	11
35	Requirements for human embryonic stem cells. Cell Proliferation, 2020, 53, e12925.	5.3	10
36	p18 inhibits reprogramming through inactivation of Cdk4/6. Scientific Reports, 2016, 6, 31085.	3.3	8

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37	Developing Standards to Support the Clinical Translation of Stem Cells. Stem Cells Translational Medicine, 2021, 10, S85-S95.	3.3	7
38	Human retinal pigment epithelial cells. Cell Proliferation, 2022, 55, e13153.	5.3	5
39	Requirements for humanâ€induced pluripotent stem cells. Cell Proliferation, 2022, 55, e13182.	5.3	5
40	Requirments for primary human hepatocyte. Cell Proliferation, 2021, , e13147.	5.3	4
41	PIM2 regulates stemness through phosphorylation of 4E-BP1. Science Bulletin, 2017, 62, 679-685.	9.0	3
42	Requirements for human cardiomyocytes. Cell Proliferation, 2021, , e13150.	5.3	3
43	Requirements for human haematopoietic stem/progenitor cells. Cell Proliferation, 2021, , e13152.	5.3	3
44	Reprogramming of Notch1-induced acute lymphoblastic leukemia cells into pluripotent stem cells in mice. Blood Cancer Journal, 2016, 6, e444-e444.	6.2	2
45	Autophagy in Normal Stem Cells and Specialized Cells. Advances in Experimental Medicine and Biology, 2019, 1206, 489-508.	1.6	2
46	Single-cell sequencing delivers hematopoietic stem cell specification. Science Bulletin, 2016, 61, 1419-1421.	9.0	0
47	Deciphering the history of monkey cloning. Chinese Science Bulletin, 2018, 63, 1758-1763.	0.7	0
48	Developing standards to support cell technology applications. Cell Proliferation, 2022, 55, e13210.	5.3	0