

Jie Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,255
citations

361045

20
h-index

395343

33
g-index

57
all docs

57
docs citations

57
times ranked

1969
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxic Conditioned Medium from Human Amniotic Fluid-Derived Mesenchymal Stem Cells Accelerates Skin Wound Healing through TGF- β 2/SMAD2 and PI3K/Akt Pathways. <i>International Journal of Molecular Sciences</i> , 2014, 15, 605-628.	1.8	149
2	Reprogramming fibroblasts into induced pluripotent stem cells with Bmi1. <i>Cell Research</i> , 2011, 21, 1305-1315.	5.7	118
3	Nanog-induced dedifferentiation of p53-deficient mouse astrocytes into brain cancer stem-like cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 175-181.	1.0	58
4	Cascade regulation of PPAR γ 2 and C/EBP β signaling pathways by celastrol impairs adipocyte differentiation and stimulates lipolysis in 3T3-L1 adipocytes. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 646-654.	1.5	52
5	Deoxynivalenol induces apoptosis and disrupts cellular homeostasis through MAPK signaling pathways in bovine mammary epithelial cells. <i>Environmental Pollution</i> , 2019, 252, 879-887.	3.7	50
6	A combination of small molecules directly reprograms mouse fibroblasts into neural stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 42-48.	1.0	49
7	Anti-inflammatory effects of mesenchymal stem cell-derived exosomal microRNA-146a-5p and microRNA-548e-5p on human trophoblast cells. <i>Molecular Human Reproduction</i> , 2019, 25, 755-771.	1.3	47
8	Ochratoxin A exerts neurotoxicity in human astrocytes through mitochondria-dependent apoptosis and intracellular calcium overload. <i>Toxicology Letters</i> , 2019, 313, 42-49.	0.4	46
9	Neurotoxic effects of aflatoxin B1 on human astrocytes in vitro and on glial cell development in zebrafish in vivo. <i>Journal of Hazardous Materials</i> , 2020, 386, 121639.	6.5	45
10	Synthetic phenolic antioxidant propyl gallate induces male infertility through disruption of calcium homeostasis and mitochondrial function. <i>Environmental Pollution</i> , 2019, 248, 845-856.	3.7	42
11	Butylated hydroxyanisole induces testicular dysfunction in mouse testis cells by dysregulating calcium homeostasis and stimulating endoplasmic reticulum stress. <i>Science of the Total Environment</i> , 2020, 702, 134775.	3.9	36
12	Reprogramming of mouse somatic cells into pluripotent stem-like cells using a combination of small molecules. <i>Biomaterials</i> , 2014, 35, 7336-7345.	5.7	34
13	Induction of neural stem cell-like cells (NSCLCs) from mouse astrocytes by Bmi1. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 267-272.	1.0	33
14	Additive effect of bFGF and selenium on expansion and paracrine action of human amniotic fluid-derived mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2018, 9, 293.	2.4	32
15	Butylated Hydroxyanisole Exerts Neurotoxic Effects by Promoting Cytosolic Calcium Accumulation and Endoplasmic Reticulum Stress in Astrocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9618-9629.	2.4	31
16	Three-Dimensional Vascularized Lung Cancer-on-a-Chip with Lung Extracellular Matrix Hydrogels for In Vitro Screening. <i>Cancers</i> , 2021, 13, 3930.	1.7	30
17	Conversion of mouse fibroblasts into cardiomyocyte-like cells using small molecule treatments. <i>Biomaterials</i> , 2015, 54, 201-212.	5.7	27
18	Inhibition of Adipogenesis by Oligonol through Akt-mTOR Inhibition in 3T3-L1 Adipocytes. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-11.	0.5	26

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19	Glycine decarboxylase regulates the maintenance and induction of pluripotency via metabolic control. <i>Metabolic Engineering</i> , 2019, 53, 35-47.	3.6	26
20	Optimal Suppression of Protein Phosphatase 2A Activity Is Critical for Maintenance of Human Embryonic Stem Cell Self-Renewal. <i>Stem Cells</i> , 2010, 28, 874-884.	1.4	23
21	Gossypol Induces Disruption of Spermatogenesis and Steroidogenesis in Male Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2075-2085.	2.4	21
22	Ameliorative effects of luteolin against endometriosis progression in vitro and in vivo. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 161-172.	1.9	21
23	Overexpression of Nanog in amniotic fluid-derived mesenchymal stem cells accelerates dermal papilla cell activity and promotes hair follicle regeneration. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-15.	3.2	20
24	Inhibitory effect of celastrol on adipogenic differentiation of human adipose-derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 236-241.	1.0	19
25	Ivermectin induces apoptosis of porcine trophectoderm and uterine luminal epithelial cells through loss of mitochondrial membrane potential, mitochondrial calcium ion overload, and reactive oxygen species generation. <i>Pesticide Biochemistry and Physiology</i> , 2019, 159, 144-153.	1.6	19
26	Reprogramming of mouse fibroblasts into induced pluripotent stem cells with Nanog. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 444-449.	1.0	18
27	4-Methylbenzylidene-camphor inhibits proliferation and induces reactive oxygen species-mediated apoptosis of human trophoblast cells. <i>Reproductive Toxicology</i> , 2019, 84, 49-58.	1.3	13
28	Pyridaben induces mitochondrial dysfunction and leads to latent male reproductive abnormalities. <i>Pesticide Biochemistry and Physiology</i> , 2021, 171, 104731.	1.6	13
29	Bifenthrin impairs the functions of Leydig and Sertoli cells in mice via mitochondrion-endoplasmic reticulum dysregulation. <i>Environmental Pollution</i> , 2020, 266, 115174.	3.7	12
30	Two-step generation of induced pluripotent stem cells from mouse fibroblasts using Id3 and Oct4. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 59-62.	1.5	11
31	Cellular characteristics of primary and immortal canine embryonic fibroblast cells. <i>Experimental and Molecular Medicine</i> , 2004, 36, 325-335.	3.2	10
32	Flufenoxuron disturbs early pregnancy in pigs via induction of cell death with ER-mitochondrial dysfunction. <i>Journal of Hazardous Materials</i> , 2021, 401, 122996.	6.5	10
33	Fenbendazole induces apoptosis of porcine uterine luminal epithelial and trophoblast cells during early pregnancy. <i>Science of the Total Environment</i> , 2019, 681, 28-38.	3.9	9
34	mRNA-Driven Generation of Transgene-Free Neural Stem Cells from Human Urine-Derived Cells. <i>Cells</i> , 2019, 8, 1043.	1.8	8
35	Pyridaben leads to inhibition of cell growth and induction of cell death through intracellular mechanisms in early pregnancy. <i>Pesticide Biochemistry and Physiology</i> , 2021, 171, 104733.	1.6	8
36	Generation of Anterior Hindbrain-Specific, Glial-Restricted Progenitor-Like Cells from Human Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2019, 28, 633-648.	1.1	7

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37	Oxibendazole induces apoptotic cell death in proliferating porcine trophectoderm and uterine luminal epithelial cells via mitochondria-mediated calcium disruption and breakdown of mitochondrial membrane potential. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 220, 9-19.	1.3	7
38	Etoazole induces testicular malfunction in mice by dysregulating mitochondrial function and calcium homeostasis. <i>Environmental Pollution</i> , 2020, 263, 114573.	3.7	7
39	NFIB induces functional astrocytes from human pluripotent stem cell-derived neural precursor cells mimicking in vivo astroglialogenesis. <i>Journal of Cellular Physiology</i> , 2021, 236, 7625-7641.	2.0	7
40	OCT4-induced oligodendrocyte progenitor cells promote remyelination and ameliorate disease. <i>Npj Regenerative Medicine</i> , 2022, 7, 4.	2.5	7
41	Generation of two induced pluripotent stem cell (iPSC) lines from X-linked adrenoleukodystrophy (X-ALD) patients with adrenomyeloneuropathy (AMN). <i>Stem Cell Research</i> , 2017, 25, 46-49.	0.3	6
42	Deregulation of catalase, not MnSOD, is associated with necrotic death of p53-defective DF-1 cells under antimycin A-induced oxidative stress. <i>Molecules and Cells</i> , 2004, 18, 220-9.	1.0	6
43	Generation of Induced Nephron Progenitor-like Cells from Human Urine-Derived Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13449.	1.8	6
44	WDMN1 is Associated with Differentiation and Apoptosis of Mammary Epithelial Cells. <i>Animal Biotechnology</i> , 2008, 19, 89-103.	0.7	5
45	Establishment of life-span extended bovine fibroblast cells carrying the characterization of primary cells. <i>Molecules and Cells</i> , 2004, 18, 261-8.	1.0	5
46	Rapid induction of gliogenesis in OLIG2 and NKX2.2-expressing progenitors-derived spheroids. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1643-1650.	1.6	4
47	Self-replicative mRNA-mediated generation of induced pluripotent stem cell line from a 1-year-old Leigh syndrome patient with mitochondrial DNA cytochrome b mutation. <i>Stem Cell Research</i> , 2021, 54, 102392.	0.3	4
48	Improvement of IgA Nephropathy and Kidney Regeneration by Functionalized Hyaluronic Acid and Gelatin Hydrogel. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 643-658.	1.6	4
49	Generation of induced pluripotent stem cell (iPSC) line from a 21-year-old X-linked adrenoleukodystrophy (X-ALD) patient. <i>Stem Cell Research</i> , 2017, 25, 136-138.	0.3	2
50	Generation of an induced pluripotent stem cell (iPSC) line from a 42-year-old adult cerebral type X-linked adrenoleukodystrophy (X-ALD) patient. <i>Stem Cell Research</i> , 2019, 36, 101425.	0.3	2
51	Long-term expansion of directly reprogrammed keratinocyte-like cells and in vitro reconstitution of human skin. <i>Journal of Biomedical Science</i> , 2020, 27, 56.	2.6	2
52	Generation of mutation-corrected induced pluripotent stem cell lines derived from adrenoleukodystrophy patient by using homology directed repair. <i>Stem Cell Research</i> , 2022, 59, 102664.	0.3	2
53	Generation of induced pluripotent stem cell (iPSC) line from a 36-year-old Charcot-Marie-Tooth disease patient with CJB1 mutation (CMTX). <i>Stem Cell Research</i> , 2017, 21, 9-12.	0.3	1
54	Generation of induced pluripotent stem cell (iPSC) line from Charcot-Marie-Tooth disease patient with MPZ mutation (CMT1B). <i>Stem Cell Research</i> , 2017, 24, 5-7.	0.3	1

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55	Generation of a WA14 hESC sub-line carrying a hemizygous ABCD1 (C.1696_1710 del) mutation introduced by CRISPR/Cas9 technology. Stem Cell Research, 2021, 52, 102244.	0.3	1
56	Isolation of mesenchymal stem cells from Pap smear samples. Obstetrics and Gynecology Science, 2020, 63, 594-604.	0.6	1