

Ning Sun

List of Publications by Year in descending order

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75
papers

5,988
citations

147566

31
h-index

76769

74
g-index

77
all docs

77
docs citations

77
times ranked

8843
citing authors

#	ARTICLE	IF	CITATIONS
1	A nonviral minicircle vector for deriving human iPS cells. <i>Nature Methods</i> , 2010, 7, 197-199.	9.0	658
2	Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy. <i>Science Translational Medicine</i> , 2012, 4, 130ra47.	5.8	590
3	Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2013, 12, 101-113.	5.2	584
4	Feeder-free derivation of induced pluripotent stem cells from adult human adipose stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15720-15725.	3.3	468
5	MicroRNA-210 as a Novel Therapy for Treatment of Ischemic Heart Disease. <i>Circulation</i> , 2010, 122, S124-31.	1.6	407
6	Single cell transcriptional profiling reveals heterogeneity of human induced pluripotent stem cells. <i>Journal of Clinical Investigation</i> , 2011, 121, 1217-1221.	3.9	261
7	MicroRNA Profiling of Human-Induced Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2009, 18, 749-757.	1.1	225
8	Dynamic MicroRNA Expression Programs During Cardiac Differentiation of Human Embryonic Stem Cells. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 426-435.	5.1	176
9	Short-Term Immunosuppression Promotes Engraftment of Embryonic and Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2011, 8, 309-317.	5.2	170
10	A viscoelastic adhesive epicardial patch for treating myocardial infarction. <i>Nature Biomedical Engineering</i> , 2019, 3, 632-643.	11.6	156
11	An injectable silk sericin hydrogel promotes cardiac functional recovery after ischemic myocardial infarction. <i>Acta Biomaterialia</i> , 2016, 41, 210-223.	4.1	121
12	In vivo directed differentiation of pluripotent stem cells for skeletal regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20379-20384.	3.3	116
13	Bach1 Represses Wnt/ β 2-Catenin Signaling and Angiogenesis. <i>Circulation Research</i> , 2015, 117, 364-375.	2.0	113
14	Human iPS cell-based therapy: Considerations before clinical applications. <i>Cell Cycle</i> , 2010, 9, 880-885.	1.3	111
15	Atomic Force Mechanobiology of Pluripotent Stem Cell-Derived Cardiomyocytes. <i>PLoS ONE</i> , 2012, 7, e37559.	1.1	106
16	Functional engineered human cardiac patches prepared from nature's platform improve heart function after acute myocardial infarction. <i>Biomaterials</i> , 2016, 105, 52-65.	5.7	105
17	Genome Editing of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells With Zinc Finger Nucleases for Cellular Imaging. <i>Circulation Research</i> , 2012, 111, 1494-1503.	2.0	99
18	Long term non-invasive imaging of embryonic stem cells using reporter genes. <i>Nature Protocols</i> , 2009, 4, 1192-1201.	5.5	90

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19	Protecting mitochondria via inhibiting VDAC1 oligomerization alleviates ferroptosis in acetaminophen-induced acute liver injury. <i>Cell Biology and Toxicology</i> , 2022, 38, 505-530.	2.4	72
20	Effects of Ionizing Radiation on Self-Renewal and Pluripotency of Human Embryonic Stem Cells. <i>Cancer Research</i> , 2010, 70, 5539-5548.	0.4	69
21	BMAL1 regulates mitochondrial fission and mitophagy through mitochondrial protein BNIP3 and is critical in the development of dilated cardiomyopathy. <i>Protein and Cell</i> , 2020, 11, 661-679.	4.8	64
22	The Circadian Gene <i>Clock</i> Regulates Bone Formation Via PDIA3. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 861-871.	3.1	56
23	Human induced pluripotent stem cell-derived beating cardiac tissues on paper. <i>Lab on A Chip</i> , 2015, 15, 4283-4290.	3.1	53
24	Clock mediates liver senescence by controlling ER stress. <i>Aging</i> , 2017, 9, 2647-2665.	1.4	51
25	Identification of a repeated domain within mammalian $\hat{\pm}$ -synemin that interacts directly with talin. <i>Experimental Cell Research</i> , 2008, 314, 1839-1849.	1.2	47
26	A hollow fiber system for simple generation of human brain organoids. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 107-114.	0.6	47
27	QKI is a critical pre-mRNA alternative splicing regulator of cardiac myofibrillogenesis and contractile function. <i>Nature Communications</i> , 2021, 12, 89.	5.8	47
28	Inhibition of Myocardial Ischemia/Reperfusion Injury by Exosomes Secreted from Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2016, 2016, 1-8.	1.2	42
29	Enhanced wound healing promotion by immune response-free monkey autologous iPSCs and exosomes vs. their allogeneic counterparts. <i>EBioMedicine</i> , 2019, 42, 443-457.	2.7	42
30	Human $\hat{\pm}$ -synemin interacts directly with vinculin and metavinculin. <i>Biochemical Journal</i> , 2008, 409, 657-667.	1.7	39
31	The circadian protein CLOCK regulates cell metabolism via the mitochondrial carrier SLC25A10. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1310-1321.	1.9	38
32	CLOCK promotes 3T3-L1 cell proliferation via Wnt signaling. <i>IUBMB Life</i> , 2016, 68, 557-568.	1.5	37
33	Sacrificial layer technique for axial force post assay of immature cardiomyocytes. <i>Biomedical Microdevices</i> , 2013, 15, 171-181.	1.4	35
34	The SUMOylated METTL8 Induces R-loop and Tumorigenesis via m3C. <i>IScience</i> , 2020, 23, 100968.	1.9	35
35	Elastic Properties of Induced Pluripotent Stem Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 495-502.	1.6	34
36	Clock represses preadipocytes adipogenesis via GILZ. <i>Journal of Cellular Physiology</i> , 2018, 233, 6028-6040.	2.0	32

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37	Clock upregulates intercellular adhesion molecule-1 expression and promotes mononuclear cells adhesion to endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 586-591.	1.0	31
38	Role of circadian gene Clock during differentiation of mouse pluripotent stem cells. <i>Protein and Cell</i> , 2016, 7, 820-832.	4.8	31
39	Engineering human ventricular heart muscles based on a highly efficient system for purification of human pluripotent stem cell-derived ventricular cardiomyocytes. <i>Stem Cell Research and Therapy</i> , 2017, 8, 202.	2.4	31
40	Current-Controlled Electrical Point-Source Stimulation of Embryonic Stem Cells. <i>Cellular and Molecular Bioengineering</i> , 2009, 2, 625-635.	1.0	30
41	Studies in Adipose-Derived Stromal Cells: Migration and Participation in Repair of Cranial Injury after Systemic Injection. <i>Plastic and Reconstructive Surgery</i> , 2011, 127, 1130-1140.	0.7	30
42	Human induced pluripotent stem cells derived endothelial cells mimicking vascular inflammatory response under flow. <i>Biomicrofluidics</i> , 2016, 10, 014106.	1.2	28
43	Upregulation of circadian gene 'hClock' contribution to metastasis of colorectal cancer. <i>International Journal of Oncology</i> , 2017, 50, 2191-2199.	1.4	28
44	Protective effects of human induced pluripotent stem cell-derived exosomes on high glucose-induced injury in human endothelial cells. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 4791-4797.	0.8	27
45	Synemin interacts with the LIM domain protein zyxin and is essential for cell adhesion and migration. <i>Experimental Cell Research</i> , 2010, 316, 491-505.	1.2	26
46	hClock gene expression in human colorectal carcinoma. <i>Molecular Medicine Reports</i> , 2013, 8, 1017-1022.	1.1	26
47	Circadian gene hClock enhances proliferation and inhibits apoptosis of human colorectal carcinoma cells in vitro and in vivo. <i>Molecular Medicine Reports</i> , 2015, 11, 4204-4210.	1.1	23
48	ALIX increases protein content and protective function of iPSC-derived exosomes. <i>Journal of Molecular Medicine</i> , 2019, 97, 829-844.	1.7	23
49	Direct <i>in vivo</i> application of induced pluripotent stem cells is feasible and can be safe. <i>Theranostics</i> , 2019, 9, 290-310.	4.6	22
50	Establishment of a PRKAG2 cardiac syndrome disease model and mechanism study using human induced pluripotent stem cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 117, 49-61.	0.9	20
51	Pre-existing interleukin 10 in cerebral arteries attenuates subsequent brain injury caused by ischemia/reperfusion. <i>IUBMB Life</i> , 2015, 67, 710-719.	1.5	18
52	Potential Crosstalk between Liver and Extra-liver Organs in Mouse Models of Acute Liver Injury. <i>International Journal of Biological Sciences</i> , 2020, 16, 1166-1179.	2.6	17
53	MicroRNA-19b Downregulates Gap Junction Protein Alpha1 and Synergizes with MicroRNA-1 in Viral Myocarditis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 741.	1.8	16
54	Engineering human ventricular heart tissue based on macroporous iron oxide scaffolds. <i>Acta Biomaterialia</i> , 2019, 88, 540-553.	4.1	16

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55	Induced Pluripotency of Human Prostatic Epithelial Cells. <i>PLoS ONE</i> , 2013, 8, e64503.	1.1	15
56	Harmin is an effective therapeutic small molecule for the treatment of cardiac hypertrophy. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 50-63.	2.8	15
57	Altered Clock and Lipid Metabolism-Related Genes in Atherosclerotic Mice Kept with Abnormal Lighting Condition. <i>BioMed Research International</i> , 2016, 2016, 1-14.	0.9	14
58	CLOCK regulates Drp1 mRNA stability and mitochondrial homeostasis by interacting with PUF60. <i>Cell Reports</i> , 2022, 39, 110635.	2.9	12
59	Heart Regeneration in Adult Mammals after Myocardial Damage. <i>Acta Cardiologica Sinica</i> , 2018, 34, 115-123.	0.1	11
60	The roles of Mesp family proteins: functional diversity and redundancy in differentiation of pluripotent stem cells and mammalian mesodermal development. <i>Protein and Cell</i> , 2015, 6, 553-561.	4.8	10
61	Speckle tracking echocardiography analyses of myocardial contraction efficiency predict response for cardiac resynchronization therapy. <i>Cardiovascular Ultrasound</i> , 2018, 16, 30.	0.5	9
62	Repair of Adult Mammalian Heart After Damages by Oral Intake of Gu Ben Pei Yuan San. <i>Frontiers in Physiology</i> , 2019, 10, 607.	1.3	9
63	Fluoride resistance capacity in mammalian cells involves complex global gene expression changes. <i>FEBS Open Bio</i> , 2017, 7, 968-980.	1.0	8
64	Induced pluripotent stem cells attenuate chronic allogeneic vasculopathy in an integrin beta-1-dependent manner. <i>American Journal of Transplantation</i> , 2020, 20, 2755-2767.	2.6	6
65	Isogenic human pluripotent stem cell disease models reveal ABRA deficiency underlies cTnT mutation-induced familial dilated cardiomyopathy. <i>Protein and Cell</i> , 2021, , 1.	4.8	6
66	Vitamin A and retinoic acid accelerate the attenuation of intestinal adaptability upon feeding induced by high-fat diet in mice. <i>Journal of Nutritional Biochemistry</i> , 2021, 97, 108803.	1.9	6
67	Circadian gene hCLOCK contributes to progression of colorectal carcinoma and is directly regulated by tumor-suppressive microRNA-124. <i>Molecular Medicine Reports</i> , 2017, 16, 7923-7930.	1.1	5
68	Establishing a new human hypertrophic cardiomyopathy-specific model using human embryonic stem cells. <i>Experimental Cell Research</i> , 2020, 387, 111736.	1.2	5
69	Transcriptomics- and metabolomics-based integration analyses revealed the potential pharmacological effects and functional pattern of in vivo <i>Radix Paeoniae Alba</i> administration. <i>Chinese Medicine</i> , 2020, 15, 52.	1.6	5
70	E2A ablation enhances proportion of nodal-like cardiomyocytes in cardiac-specific differentiation of human embryonic stem cells. <i>EBioMedicine</i> , 2021, 71, 103575.	2.7	4
71	Applications of human-induced pluripotent stem cells in the investigation of inherited cardiomyopathy. <i>International Journal of Cardiology</i> , 2014, 177, 604-606.	0.8	3
72	Therapeutic application of chick early amniotic fluid: effective rescue of acute myocardial ischemic injury by intravenous administration. <i>Cell Regeneration</i> , 2022, 11, 9.	1.1	3

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73	Cardiac Overexpression of XIN Prevents Dilated Cardiomyopathy Caused by TNNT2 K210 Mutation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 691749.	1.8	2
74	Open complex giant system and Traditional Chinese Medicine. <i>Traditional Medicine and Modern Medicine</i> , 2018, 01, 193-197.	0.2	1
75	Anti-serum with anti-autoantibody activity decreases autoantibody-positive B lymphocytes and type 1 diabetes of female NOD mice. <i>Autoimmunity</i> , 2016, 49, 21-30.	1.2	0