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	Harmine is an effective therapeutic small molecule for the treatment of cardiac hypertrophy. Acta Pharmacologica Sinica, 2022, 43, 50-63.	2.8	15
2	Protecting mitochondria via inhibiting VDAC1 oligomerization alleviates ferroptosis in acetaminophen-induced acute liver injury. Cell Biology and Toxicology, 2022, 38, 505-530.	2.4	72
3	Therapeutic application of chick early amniotic fluid: effective rescue of acute myocardial ischemic injury by intravenous administration. Cell Regeneration, 2022, 11, 9.	1.1	3
4	CLOCK regulates Drp1 mRNA stability and mitochondrial homeostasis by interacting with PUF60. Cell Reports, 2022, 39, 110635.	2.9	12
5	QKI is a critical pre-mRNA alternative splicing regulator of cardiac myofibrillogenesis and contractile function. Nature Communications, 2021, 12, 89.	5.8	47
6	Isogenic human pluripotent stem cell disease models reveal ABRA deficiency underlies cTnT mutation-induced familial dilated cardiomyopathy. Protein and Cell, 2021, , 1.	4.8	6
7	Cardiac Overexpression of XIN Prevents Dilated Cardiomyopathy Caused by TNNT2 Î”K210 Mutation. Frontiers in Cell and Developmental Biology, 2021, 9, 691749.	1.8	2
8	E2A ablation enhances proportion of nodal-like cardiomyocytes in cardiac-specific differentiation of human embryonic stem cells. EBioMedicine, 2021, 71, 103575.	2.7	4
9	Vitamin A and retinoic acid accelerate the attenuation of intestinal adaptability upon feeding induced by high-fat diet in mice. Journal of Nutritional Biochemistry, 2021, 97, 108803.	1.9	6
10	Establishing a new human hypertrophic cardiomyopathy-specific model using human embryonic stem cells. Experimental Cell Research, 2020, 387, 111736.	1.2	5
11	Transcriptomics- and metabolomics-based integration analyses revealed the potential pharmacological effects and functional pattern of in vivo Radix Paeoniae Alba administration. Chinese Medicine, 2020, 15, 52.	1.6	5
12	Potential Crosstalk between Liver and Extra-liver Organs in Mouse Models of Acute Liver Injury. International Journal of Biological Sciences, 2020, 16, 1166-1179.	2.6	17
13	The SUMOylated METTL8 Induces R-loop and Tumorigenesis via m3C. IScience, 2020, 23, 100968.	1.9	35
14	BMAL1 regulates mitochondrial fission and mitophagy through mitochondrial protein BNIP3 and is critical in the development of dilated cardiomyopathy. Protein and Cell, 2020, 11, 661-679.	4.8	64
15	Induced pluripotent stem cells attenuate chronic allogeneic vasculopathy in an integrin beta-1-dependent manner. American Journal of Transplantation, 2020, 20, 2755-2767.	2.6	6
16	Repair of Adult Mammalian Heart After Damages by Oral Intake of Gu Ben Pei Yuan San. Frontiers in Physiology, 2019, 10, 607.	1.3	9
17	A viscoelastic adhesive epicardial patch for treating myocardial infarction. Nature Biomedical Engineering, 2019, 3, 632-643.	11.6	156
18	Enhanced wound healing promotion by immune response-free monkey autologous iPSCs and exosomes vs. their allogeneic counterparts. EBioMedicine, 2019, 42, 443-457.	2.7	42

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19	The circadian protein CLOCK regulates cell metabolism via the mitochondrial carrier SLC25A10. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1310-1321.	1.9	38
20	ALIX increases protein content and protective function of iPSC-derived exosomes. Journal of Molecular Medicine, 2019, 97, 829-844.	1.7	23
21	Engineering human ventricular heart tissue based on macroporous iron oxide scaffolds. Acta Biomaterialia, 2019, 88, 540-553.	4.1	16
22	Direct in vivo application of induced pluripotent stem cells is feasible and can be safe. Theranostics, 2019, 9, 290-310.	4.6	22
23	Establishment of a PRKAG2 cardiac syndrome disease model and mechanism study using human induced pluripotent stem cells. Journal of Molecular and Cellular Cardiology, 2018, 117, 49-61.	0.9	20
24	Clock represses preadipocytes adipogenesis via GILZ. Journal of Cellular Physiology, 2018, 233, 6028-6040.	2.0	32
25	Speckle tracking echocardiography analyses of myocardial contraction efficiency predict response for cardiac resynchronization therapy. Cardiovascular Ultrasound, 2018, 16, 30.	0.5	9
26	Open complex giant system and Traditional Chinese Medicine. Traditional Medicine and Modern Medicine, 2018, 01, 193-197.	0.2	1
27	Protective effects of human induced pluripotent stem cellâ€‘derived exosomes on high glucoseâ€‘induced injury in human endothelial cells. Experimental and Therapeutic Medicine, 2018, 15, 4791-4797.	0.8	27
28	Heart Regeneration in Adult Mammals after Myocardial Damage. Acta Cardiologica Sinica, 2018, 34, 115-123.	0.1	11
29	Circadian gene hCLOCK contributes to progression of colorectal carcinoma and is directly regulated by tumor-suppressive microRNA-124. Molecular Medicine Reports, 2017, 16, 7923-7930.	1.1	5
30	Fluoride resistance capacity in mammalian cells involves complex global gene expression changes. FEBS Open Bio, 2017, 7, 968-980.	1.0	8
31	A hollow fiber system for simple generation of human brain organoids. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	47
32	The Circadian Gene Clock Regulates Bone Formation Via PDIA3. Journal of Bone and Mineral Research, 2017, 32, 861-871.	3.1	56
33	Upregulation of circadian gene 'hClock' contribution to metastasis of colorectal cancer. International Journal of Oncology, 2017, 50, 2191-2199.	1.4	28
34	Engineering human ventricular heart muscles based on a highly efficient system for purification of human pluripotent stem cell-derived ventricular cardiomyocytes. Stem Cell Research and Therapy, 2017, 8, 202.	2.4	31
35	Clock mediates liver senescence by controlling ER stress. Aging, 2017, 9, 2647-2665.	1.4	51
36	Inhibition of Myocardial Ischemia/Reperfusion Injury by Exosomes Secreted from Mesenchymal Stem Cells. Stem Cells International, 2016, 2016, 1-8.	1.2	42

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37	Altered Clock and Lipid Metabolism-Related Genes in Atherosclerotic Mice Kept with Abnormal Lighting Condition. BioMed Research International, 2016, 2016, 1-14.	0.9	14
38	MicroRNA-19b Downregulates Gap Junction Protein Alpha1 and Synergizes with MicroRNA-1 in Viral Myocarditis. International Journal of Molecular Sciences, 2016, 17, 741.	1.8	16
39	Human induced pluripotent stem cells derived endothelial cells mimicking vascular inflammatory response under flow. Biomicrofluidics, 2016, 10, 014106.	1.2	28
40	Role of circadian gene Clock during differentiation of mouse pluripotent stem cells. Protein and Cell, 2016, 7, 820-832.	4.8	31
41	Functional engineered human cardiac patches prepared from nature's platform improve heart function after acute myocardial infarction. Biomaterials, 2016, 105, 52-65.	5.7	105
42	An injectable silk sericin hydrogel promotes cardiac functional recovery after ischemic myocardial infarction. Acta Biomaterialia, 2016, 41, 210-223.	4.1	121
43	CLOCK promotes 3T3â€Ł1 cell proliferation via Wnt signaling. IUBMB Life, 2016, 68, 557-568.	1.5	37
44	Anti-serum with anti-autoantibody activity decreases autoantibody-positive B lymphocytes and type 1 diabetes of female NOD mice. Autoimmunity, 2016, 49, 21-30.	1.2	0
45	Preâ€existing interleukin 10 in cerebral arteries attenuates subsequent brain injury caused by ischemia/reperfusion. IUBMB Life, 2015, 67, 710-719.	1.5	18
46	Circadian gene hClock enhances proliferation and inhibits apoptosis of human colorectal carcinoma cells in vitro and in vivo. Molecular Medicine Reports, 2015, 11, 4204-4210.	1.1	23
47	Bach1 Represses Wnt/Î²-Catenin Signaling and Angiogenesis. Circulation Research, 2015, 117, 364-375.	2.0	113
48	Human induced pluripotent stem cell-derived beating cardiac tissues on paper. Lab on A Chip, 2015, 15, 4283-4290.	3.1	53
49	The roles of Mesp family proteins: functional diversity and redundancy in differentiation of pluripotent stem cells and mammalian mesodermal development. Protein and Cell, 2015, 6, 553-561.	4.8	10
50	Applications of human-induced pluripotent stem cells in the investigation of inherited cardiomyopathy. International Journal of Cardiology, 2014, 177, 604-606.	0.8	3
51	Clock upregulates intercellular adhesion molecule-1 expression and promotes mononuclear cells adhesion to endothelial cells. Biochemical and Biophysical Research Communications, 2014, 443, 586-591.	1.0	31
52	Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells. Cell Stem Cell, 2013, 12, 101-113.	5.2	584
53	Sacrificial layer technique for axial force post assay of immature cardiomyocytes. Biomedical Microdevices, 2013, 15, 171-181.	1.4	35
54	hClock gene expression in human colorectal carcinoma. Molecular Medicine Reports, 2013, 8, 1017-1022.	1.1	26

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55	Induced Pluripotency of Human Prostatic Epithelial Cells. PLoS ONE, 2013, 8, e64503.	1.1	15
56	Genome Editing of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells With Zinc Finger Nucleases for Cellular Imaging. Circulation Research, 2012, 111, 1494-1503.	2.0	99
57	In vivo directed differentiation of pluripotent stem cells for skeletal regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20379-20384.	3.3	116
58	Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy. Science Translational Medicine, 2012, 4, 130ra47.	5.8	590
59	Atomic Force Mechanobiology of Pluripotent Stem Cell-Derived Cardiomyocytes. PLoS ONE, 2012, 7, e37559.	1.1	106
60	Short-Term Immunosuppression Promotes Engraftment of Embryonic and Induced Pluripotent Stem Cells. Cell Stem Cell, 2011, 8, 309-317.	5.2	170
61	Studies in Adipose-Derived Stromal Cells: Migration and Participation in Repair of Cranial Injury after Systemic Injection. Plastic and Reconstructive Surgery, 2011, 127, 1130-1140.	0.7	30
62	Elastic Properties of Induced Pluripotent Stem Cells. Tissue Engineering - Part A, 2011, 17, 495-502.	1.6	34
63	Single cell transcriptional profiling reveals heterogeneity of human induced pluripotent stem cells. Journal of Clinical Investigation, 2011, 121, 1217-1221.	3.9	261
64	Synemin interacts with the LIM domain protein zyxin and is essential for cell adhesion and migration. Experimental Cell Research, 2010, 316, 491-505.	1.2	26
65	A nonviral minicircle vector for deriving human iPS cells. Nature Methods, 2010, 7, 197-199.	9.0	658
66	Effects of Ionizing Radiation on Self-Renewal and Pluripotency of Human Embryonic Stem Cells. Cancer Research, 2010, 70, 5539-5548.	0.4	69
67	MicroRNA-210 as a Novel Therapy for Treatment of Ischemic Heart Disease. Circulation, 2010, 122, S124-31.	1.6	407
68	Human iPS cell-based therapy: Considerations before clinical applications. Cell Cycle, 2010, 9, 880-885.	1.3	111
69	Dynamic MicroRNA Expression Programs During Cardiac Differentiation of Human Embryonic Stem Cells. Circulation: Cardiovascular Genetics, 2010, 3, 426-435.	5.1	176
70	Feeder-free derivation of induced pluripotent stem cells from adult human adipose stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15720-15725.	3.3	468
71	Current-Controlled Electrical Point-Source Stimulation of Embryonic Stem Cells. Cellular and Molecular Bioengineering, 2009, 2, 625-635.	1.0	30
72	Long term non-invasive imaging of embryonic stem cells using reporter genes. Nature Protocols, 2009, 4, 1192-1201.	5.5	90

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73	MicroRNA Profiling of Human-Induced Pluripotent Stem Cells. Stem Cells and Development, 2009, 18, 749-757.	1.1	225
74	Identification of a repeated domain within mammalian Î±-synemin that interacts directly with talin. Experimental Cell Research, 2008, 314, 1839-1849.	1.2	47
75	Human Î±-synemin interacts directly with vinculin and metavinculin. Biochemical Journal, 2008, 409, 657-667.	1.7	39