Andy Peng Xiang

List of Publications by Year
in descending order

111 papers	5,115 citations	109321 35 h-index	98798 67 g-index
116 all docs	116 docs citations	116 times ranked	8333 citing authors

#	Article	IF	Citations
1	Nestin promotes pulmonary fibrosis via facilitating recycling of TGF-Î² receptor I. European Respiratory Journal, 2022, 59, 2003721.	6.7	17
2	OUP accepted manuscript. Nucleic Acids Research, 2022, , .	14.5	14
3	Intraperitoneally Delivered Mesenchymal Stem Cells Alleviate Experimental Colitis Through THBS1-Mediated Induction of IL-10-Competent Regulatory B Cells. Frontiers in Immunology, 2022, 13, 853894.	4.8	5
4	Human mesenchymal stem cells. Cell Proliferation, 2022, 55, e13141.	5.3	14
5	Accurate Machine Learning Model to Diagnose Chronic Autoimmune Diseases Utilizing Information From B Cells and Monocytes. Frontiers in Immunology, 2022, 13, 870531.	4.8	7
6	Periostin Attenuates Cyclophosphamide-induced Bladder Injury by Promoting Urothelial Stem Cell Proliferation and Macrophage Polarization. Stem Cells Translational Medicine, 2022, 11, 659-673.	3.3	6
7	Lateral Mesoderm-Derived Mesenchymal Stem Cells With Robust Osteochondrogenic Potential and Hematopoiesis-Supporting Ability. Frontiers in Molecular Biosciences, 2022, 9, 767536.	3.5	3
8	CFIm25 regulates human stem cell function independently of its role in mRNA alternative polyadenylation. RNA Biology, 2022, 19, 686-702.	3.1	0
9	Transplantation of encapsulated human Leydig-like cells: A novel option for the treatment of testosterone deficiency. Molecular and Cellular Endocrinology, 2021, 519, 111039.	3.2	2
10	Targeting Nestin+ hepatic stellate cells ameliorates liver fibrosis by facilitating TÎ²RI degradation. Journal of Hepatology, 2021, 74, 1176-1187.	3.7	42
11	Systemic transcriptome comparison between earlyâ€•And lateâ€onset preâ€eclampsia shows distinct pathology and novel biomarkers. Cell Proliferation, 2021, 54, e12968.	5.3	25
12	LncRNA DANCR represses Doxorubicin-induced apoptosis through stabilizing MALAT1 expression in colorectal cancer cells. Cell Death and Disease, 2021, 12, 24.	6.3	21
13	Inhibition of TGFÎ² improves hematopoietic stem cell niche and ameliorates cancer-related anemia. Stem Cell Research and Therapy, 2021, 12, 65.	5.5	6
14	Mesenchymal Stromal Cells Rapidly Suppress TCR Signaling-Mediated Cytokine Transcription in Activated T Cells Through the ICAM-1/CD43 Interaction. Frontiers in Immunology, 2021, 12, 609544.	4.8	8
15	Mesenchymal stromal cells attenuate post-stroke infection by preventing caspase-1-dependent splenic marginal zone B cell death. Signal Transduction and Targeted Therapy, 2021, 6, 60.	17.1	3
16	Mesenchymal stem cells alleviate experimental immune-mediated liver injury via chitinase 3-like protein 1-mediated T cell suppression. Cell Death and Disease, 2021, 12, 240.	6.3	13
17	Knockout of NOS2 Promotes Adipogenic Differentiation of Rat MSCs by Enhancing Activation of JAK/STAT3 Signaling. Frontiers in Cell and Developmental Biology, 2021, 9, 638518.	3.7	6
18	A novel MSC-based immune induction strategy for ABO-incompatible liver transplantation: a phase I/II randomized, open-label, controlled trial. Stem Cell Research and Therapy, 2021, 12, 244.	5.5	13

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19	Efficacy and Safety of Bone Marrow-Derived Mesenchymal Stem Cells for Chronic Antibody-Mediated Rejection After Kidney Transplantation- A Single-Arm, Two-Dosing-Regimen, Phase I/II Study. Frontiers in Immunology, 2021, 12, 662441.	4.8	8
20	Assessment of infectivity and the impact on neutralizing activity of immune sera of the COVID-19 variant, CAL.20C. Signal Transduction and Targeted Therapy, 2021, 6, 285.	17.1	8
21	The SARS-CoV-2 spike L452R-E484Q variant in the Indian B.1.617 strain showed significant reduction in the neutralization activity of immune sera. Precision Clinical Medicine, 2021, 4, 149-154.	3.3	7
22	Autologous transplantation of thecal stem cells restores ovarian function in nonhuman primates. Cell Discovery, 2021, 7, 75.	6.7	9
23	An autofluorescence-based isolation of Leydig cells for testosterone deficiency treatment. Molecular and Cellular Endocrinology, 2021, 535, 111389.	3.2	6
24	Safety and feasibility of subconjunctival injection of mesenchymal stem cells for acute severe ocular burns: A single-arm study. Ocular Surface, 2021, 22, 103-109.	4.4	7
25	mRNA-engineered mesenchymal stromal cells expressing CXCR2 enhances cell migration and improves recovery in IBD. Molecular Therapy - Nucleic Acids, 2021, 26, 222-236.	5.1	19
26	Mesenchymal Stromal Cells Plus Anti-CD25 Antibody and Calcineurin Inhibitors for Steroid-Resistant Acute Graft-Versus-Host Disease: A Multicenter, Randomized, Phase 3 Trial. Blood, 2021, 138, 260-260.	1.4	0
27	Transplantation of hPSC-derived pericyte-like cells promotes functional recovery in ischemic stroke mice. Nature Communications, 2020, 11, 5196.	12.8	63
28	A potential mechanism underlying U1 snRNP inhibition of the cleavage step of mRNA 3â€™ processing. Biochemical and Biophysical Research Communications, 2020, 530, 196-202.	2.1	10
29	Restorative functions of Autologous Stem Leydig Cell transplantation in a Testosterone-deficient non-human primate model. Theranostics, 2020, 10, 8705-8720.	10.0	17
30	Endosialin defines human stem Leydig cells with regenerative potential. Human Reproduction, 2020, 35, 2197-2212.	0.9	18
31	Mesenchymal stromal cells as a salvage treatment for confirmed acute respiratory distress syndrome: preliminary data from a single-arm study. Intensive Care Medicine, 2020, 46, 1944-1947.	8.2	11
32	Cardiac Nestin+ Mesenchymal Stromal Cells Enhance Healing of Ischemic Heart through Periostin-Mediated M2 Macrophage Polarization. Molecular Therapy, 2020, 28, 855-873.	8.2	27
33	Human Mesenchymal Stem Cell-Treated Regulatory CD23⁺CD43⁺ B Cells Alleviate Intestinal Inflammation. Theranostics, 2019, 9, 4633-4647.	10.0	52
34	Nestin regulates cellular redox homeostasis in lung cancer through the Keap1â€“Nrf2 feedback loop. Nature Communications, 2019, 10, 5043.	12.8	74
35	Suboptimal RNAâ€“RNA interaction limits U1 snRNP inhibition of canonical mRNA 3â€™ processing. RNA Biology, 2019, 16, 1448-1460.	3.1	11
36	Atypical behaviour and connectivity in SHANK3-mutant macaques. Nature, 2019, 570, 326-331.	27.8	172

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37	Characterization and Therapeutic Application of Mesenchymal Stem Cells with Neuromesodermal Origin from Human Pluripotent Stem Cells. Theranostics, 2019, 9, 1683-1697.	10.0	22
38	The efficacy of mesenchymal stem cells in bronchiolitis obliterans syndrome after allogeneic HSCT: A multicenter prospective cohort study. EBioMedicine, 2019, 49, 213-222.	6.1	19
39	Mesenchymal Stem Cells Improve the Structure and Function of the Graft-Versus-Host Disease Receptor Thymus: CCR9 Plays an Important Role in Its Homing Thymus. Blood, 2019, 134, 5599-5599.	1.4	1
40	Efficacy of Mesenchymal Stem Cells in Bronchiolitis Obliterans Syndrome after Allogeneic HSCT: A Multicenter Prospective Cohort Study. Blood, 2019, 134, 871-871.	1.4	1
41	Mesenchymal Stromal Cells-Derived Î²2-Microglobulin Promotes Epithelialâ€“Mesenchymal Transition of Esophageal Squamous Cell Carcinoma Cells. Scientific Reports, 2018, 8, 5422.	3.3	15
42	CD8+CD28- T cells: not only age-related cells but a subset of regulatory T cells. Cellular and Molecular Immunology, 2018, 15, 734-736.	10.5	34
43	Modeling the Pathogenesis of Charcot-Marie-Tooth Disease Type 1A Using Patient-Specific iPSCs. Stem Cell Reports, 2018, 10, 120-133.	4.8	21
44	A Nestinâ€“Cyclin-Dependent Kinase 5â€“Dynamin-Related Protein 1 Axis Regulates Neural Stem/Progenitor Cell Stemness via a Metabolic Shift. Stem Cells, 2018, 36, 589-601.	3.2	27
45	Highly efficient and expedited hepatic differentiation from human pluripotent stem cells by pure small-molecule cocktails. Stem Cell Research and Therapy, 2018, 9, 58.	5.5	67
46	ISL1 overexpression enhances the survival of transplanted human mesenchymal stem cells in a murine myocardial infarction model. Stem Cell Research and Therapy, 2018, 9, 51.	5.5	18
47	Targeted homing of CCR2-overexpressing mesenchymal stromal cells to ischemic brain enhances post-stroke recovery partially through PRDX4-mediated blood-brain barrier preservation. Theranostics, 2018, 8, 5929-5944.	10.0	68
48	Nuclear Nestin deficiency drives tumor senescence via lamin A/C-dependent nuclear deformation. Nature Communications, 2018, 9, 3613.	12.8	45
49	Intravenous Anesthetics Enhance the Ability of Human Bone Marrow-Derived Mesenchymal Stem Cells to Alleviate Hepatic Ischemia-Reperfusion Injury in a Receptor-Dependent Manner. Cellular Physiology and Biochemistry, 2018, 47, 556-566.	1.6	18
50	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. Journal of Hematology and Oncology, 2018, 11, 11.	17.0	172
51	Stanniocalcin-2 contributes to mesenchymal stromal cells attenuating murine contact hypersensitivity mainly via reducing CD8+ Tc1 cells. Cell Death and Disease, 2018, 9, 548.	6.3	20
52	Mesenchymal stromal cells-derived matrix Gla protein contribute to the alleviation of experimental colitis. Cell Death and Disease, 2018, 9, 691.	6.3	19
53	Transplantation of CD51+ Stem Leydig Cells: A New Strategy for the Treatment of Testosterone Deficiency. Stem Cells, 2017, 35, 1222-1232.	3.2	59
54	Guanylate-binding protein 1 (GBP1) contributes to the immunity of human mesenchymal stromal cells against Toxoplasma gondii. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1365-1370.	7.1	70

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55	CXCR5-Overexpressing Mesenchymal Stromal Cells Exhibit Enhanced Homing and Can Decrease Contact Hypersensitivity. Molecular Therapy, 2017, 25, 1434-1447.	8.2	47
56	Substance P enhances endogenous neurogenesis to improve functional recovery after spinal cord injury. International Journal of Biochemistry and Cell Biology, 2017, 89, 110-119.	2.8	15
57	Enhanced generation of human induced pluripotent stem cells by ectopic expression of Connexin 45. Scientific Reports, 2017, 7, 458.	3.3	11
58	Transplanted human p75-positive stem Leydig cells replace disrupted Leydig cells for testosterone production. Cell Death and Disease, 2017, 8, e3123-e3123.	6.3	49
59	A snoRNA modulates mRNA 3â€² end processing and regulates the expression of a subset of mRNAs. Nucleic Acids Research, 2017, 45, 8647-8660.	14.5	73
60	Overexpression of Gremlin1 in Mesenchymal Stem Cells Improves Hindlimb Ischemia in Mice by Enhancing Cell Survival. Journal of Cellular Physiology, 2017, 232, 996-1007.	4.1	28
61	RNAi-mediated human Nestin silence inhibits proliferation and migration of malignant melanoma cells by G1/S arrest via Akt-GSK3Î²-Rb pathway. Current Medical Science, 2017, 37, 895-903.	1.8	1
62	Mesenchymal Stromal Cells Mitigate Experimental Colitis via Insulin-like Growth Factor Binding Protein 7-mediated Immunosuppression. Molecular Therapy, 2016, 24, 1860-1872.	8.2	24
63	Human umbilical cord-derived mesenchymal stem cells protect against experimental colitis via CD5+ B regulatory cells. Stem Cell Research and Therapy, 2016, 7, 109.	5.5	44
64	Nestin regulates neural stem cell migration via controlling the cell contractility. International Journal of Biochemistry and Cell Biology, 2016, 78, 349-360.	2.8	22
65	Suppression of MicroRNA 200 Family Expression by Oncogenic KRAS Activation Promotes Cell Survival and Epithelial-Mesenchymal Transition in KRAS-Driven Cancer. Molecular and Cellular Biology, 2016, 36, 2742-2754.	2.3	42
66	TALEN-based generation of a cynomolgus monkey disease model for human microcephaly. Cell Research, 2016, 26, 1048-1061.	12.0	36
67	ERK/Drp1-dependent mitochondrial fission is involved in the MSC-induced drug resistance of T-cell acute lymphoblastic leukemia cells. Cell Death and Disease, 2016, 7, e2459-e2459.	6.3	84
68	Efficient production of cynomolgus monkeys with a toolbox of enhanced assisted reproductive technologies. Scientific Reports, 2016, 6, 25888.	3.3	8
69	Expression patterns of transcription factor PPARÎ³ and C/EBP family members during in vitro adipogenesis of human bone marrow mesenchymal stem cells. Cell Biology International, 2015, 39, 457-465.	3.0	18
70	Nestin+ kidney resident mesenchymal stem cells for the treatment of acute kidney ischemia injury. Biomaterials, 2015, 50, 56-66.	11.4	53
71	Human mesenchymal stromal cells enhance the immunomodulatory function of CD8+CD28â^' regulatory T cells. Cellular and Molecular Immunology, 2015, 12, 708-718.	10.5	66
72	One-step generation of p53 gene biallelic mutant Cynomolgus monkey via the CRISPR/Cas system. Cell Research, 2015, 25, 258-261.	12.0	91

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73	Engraftable neural crest stem cells derived from cynomolgus monkey embryonic stem cells. Biomaterials, 2015, 39, 75-84.	11.4	17
74	Bone marrow-derived mesenchymal stem cell-secreted IL-8 promotes the angiogenesis and growth of colorectal cancer. Oncotarget, 2015, 6, 42825-42837.	1.8	79
75	Improvement in Poor Graft Function after Allogeneic Hematopoietic Stem Cell Transplantation upon Administration of Mesenchymal Stem Cells from Third-Party Donors: A Pilot Prospective Study. Cell Transplantation, 2014, 23, 1087-1098.	2.5	71
76	Characterization of Nestin-positive stem Leydig cells as a potential source for the treatment of testicular Leydig cell dysfunction. Cell Research, 2014, 24, 1466-1485.	12.0	134
77	Alteration of NaÃ¯ve and Memory B-Cell Subset in Chronic Graft-Versus-Host Disease Patients After Treatment With Mesenchymal Stromal Cells. Stem Cells Translational Medicine, 2014, 3, 1023-1031.	3.3	22
78	Islet-1 Overexpression in Human Mesenchymal Stem Cells Promotes Vascularization Through Monocyte Chemoattractant Protein-3. Stem Cells, 2014, 32, 1843-1854.	3.2	18
79	Contribution of nestin positive esophageal squamous cancer cells on malignant proliferation, apoptosis, and poor prognosis. Cancer Cell International, 2014, 14, 57.	4.1	17
80	Generation of Gene-Modified Cynomolgus Monkey via Cas9/RNA-Mediated Gene Targeting in One-Cell Embryos. Cell, 2014, 156, 836-843.	28.9	930
81	Role of the Stem Cell-Associated Intermediate Filament Nestin in Malignant Proliferation of Non-Small Cell Lung Cancer. PLoS ONE, 2014, 9, e85584.	2.5	33
82	Heterogeneity of the biological properties and gene expression profiles of murine bone marrow stromal cells. International Journal of Biochemistry and Cell Biology, 2013, 45, 2431-2443.	2.8	29
83	Connexin 43 is involved in the generation of human-induced pluripotent stem cells. Human Molecular Genetics, 2013, 22, 2221-2233.	2.9	65
84	Suicide gene-mediated ablation of tumor-initiating mouse pluripotent stem cells. Biomaterials, 2013, 34, 1701-1711.	11.4	31
85	Safeguarding clinical translation of pluripotent stem cells with suicide genes. Organogenesis, 2013, 9, 34-39.	1.2	27
86	Donor-Derived Mesenchymal Stem Cells Combined With Low-Dose Tacrolimus Prevent Acute Rejection After Renal Transplantation. Transplantation, 2013, 95, 161-168.	1.0	150
87	Generation and neuronal differentiation of induced pluripotent stem cells in Cdylâ¯'/â¯' mice. NeuroReport, 2013, 24, 114-119.	1.2	14
88	Motoneuron Differentiation of Induced Pluripotent Stem Cells from SOD1G93A Mice. PLoS ONE, 2013, 8, e64720.	2.5	17
89	PPARÎ³ suppression inhibits adipogenesis but does not promote osteogenesis of human mesenchymal stem cells. International Journal of Biochemistry and Cell Biology, 2012, 44, 377-384.	2.8	61
90	IFN-Î³-primed human bone marrow mesenchymal stem cells induce tumor cell apoptosis in vitro via tumor necrosis factor-related apoptosis-inducing ligand. International Journal of Biochemistry and Cell Biology, 2012, 44, 1305-1314.	2.8	39

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91	Protecting against wayward human induced pluripotent stem cells with a suicide gene. Biomaterials, 2012, 33, 3195-3204.	11.4	67
92	Human platelet lysate supportsex vivoexpansion and enhances osteogenic differentiation of human bone marrow-derived mesenchymal stem cells. Cell Biology International, 2011, 35, 639-643.	3.0	56
93	Generation of retinal ganglion-like cells from reprogrammed mouse fibroblasts. Annals of Neurosciences, 2011, 18, 64-5.	1.7	2
94	Generation of functional hepatocytes from mouse induced pluripotent stem cells. Journal of Cellular Physiology, 2010, 222, 492-501.	4.1	42
95	Efficient Genetic Modification of Cynomolgus Monkey Embryonic Stem Cells with Lentiviral Vectors. Cell Transplantation, 2010, 19, 1181-1193.	2.5	13
96	A versatile tool for tracking the differentiation of human embryonic stem cells. Frontiers in Biology, 2010, 5, 455-463.	0.7	2
97	A novel biomimetic composite scaffold hybridized with mesenchymal stem cells in repair of rat bone defects models. Journal of Biomedical Materials Research - Part A, 2010, 95A, 495-503.	4.0	30
98	Multiple mesodermal lineage differentiation of Apodemus sylvaticus embryonic stem cells in vitro. BMC Cell Biology, 2010, 11, 42.	3.0	2
99	Nestin Is Required for the Proper Self-Renewal of Neural Stem Cells. Stem Cells, 2010, 28, 2162-2171.	3.2	278
100	Systematic Comparison of Constitutive Promoters and the Doxycycline-Inducible Promoter. PLoS ONE, 2010, 5, e10611.	2.5	413
101	A Stem Cell-Based Tool for Small Molecule Screening in Adipogenesis. PLoS ONE, 2010, 5, e13014.	2.5	14
102	Expression of nestin in lymph node metastasis and lymphangiogenesis in non-small cell lung cancer patients. Human Pathology, 2010, 41, 737-744.	2.0	23
103	Systematic identification of cis-silenced genes by trans complementation. Human Molecular Genetics, 2009, 18, 835-846.	2.9	14
104	Evaluation of human mesenchymal stem cells response to biomimetic bioglassâ€collagenâ€hyaluronic acidâ€phosphatidylserine composite scaffolds for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2009, 88A, 264-273.	4.0	32
105	Derivation, characterization and gene modification of cynomolgus monkey mesenchymal stem cells. Differentiation, 2009, 77, 256-262.	1.9	24
106	Distribution of Cytoskeleton Protein Nestin in Acute Leukemia.. Blood, 2009, 114, 4721-4721.	1.4	1
107	Mesenchymal Stem Cells Relieve Chronic GVHD Via Modulation the Ratio of CD8+CD28-/CD8+CD28+T Cells.. Blood, 2009, 114, 4501-4501.	1.4	0
108	Critical role of phosphoinositide 3-kinase cascade in adipogenesis of human mesenchymal stem cells. Molecular and Cellular Biochemistry, 2008, 310, 11-18.	3.1	111

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109	Extensive contribution of embryonic stem cells to the development of an evolutionarily divergent host. Human Molecular Genetics, 2008, 17, 27-37.	2.9	29
110	Establishment and characterization of two new human embryonic stem cell lines, SYSU-1 and SYSU-2. Chinese Medical Journal, 2007, 120, 589-594.	2.3	3
111	Proteomic identification of differently expressed proteins responsible for osteoblast differentiation from human mesenchymal stem cells. Molecular and Cellular Biochemistry, 2007, 304, 167-179.	3.1	66