

Andy Peng Xiang

List of Publications by Year in descending order

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111
papers

5,115
citations

125106

35
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111975

67
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116
all docs

116
docs citations

116
times ranked

9075
citing authors

#	ARTICLE	IF	CITATIONS
1	Nestin promotes pulmonary fibrosis via facilitating recycling of TGF- β 2 receptor I. <i>European Respiratory Journal</i> , 2022, 59, 2003721.	3.1	17
2	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2022, , .	6.5	14
3	Intraperitoneally Delivered Mesenchymal Stem Cells Alleviate Experimental Colitis Through THBS1-Mediated Induction of IL-10-Competent Regulatory B Cells. <i>Frontiers in Immunology</i> , 2022, 13, 853894.	2.2	5
4	Human mesenchymal stem cells. <i>Cell Proliferation</i> , 2022, 55, e13141.	2.4	14
5	Accurate Machine Learning Model to Diagnose Chronic Autoimmune Diseases Utilizing Information From B Cells and Monocytes. <i>Frontiers in Immunology</i> , 2022, 13, 870531.	2.2	7
6	Periostin Attenuates Cyclophosphamide-induced Bladder Injury by Promoting Urothelial Stem Cell Proliferation and Macrophage Polarization. <i>Stem Cells Translational Medicine</i> , 2022, 11, 659-673.	1.6	6
7	Lateral Mesoderm-Derived Mesenchymal Stem Cells With Robust Osteochondrogenic Potential and Hematopoiesis-Supporting Ability. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 767536.	1.6	3
8	CFIm25 regulates human stem cell function independently of its role in mRNA alternative polyadenylation. <i>RNA Biology</i> , 2022, 19, 686-702.	1.5	0
9	Transplantation of encapsulated human Leydig-like cells: A novel option for the treatment of testosterone deficiency. <i>Molecular and Cellular Endocrinology</i> , 2021, 519, 111039.	1.6	2
10	Targeting Nestin+ hepatic stellate cells ameliorates liver fibrosis by facilitating T β RI degradation. <i>Journal of Hepatology</i> , 2021, 74, 1176-1187.	1.8	42
11	Systemic transcriptome comparison between early and late onset pre-eclampsia shows distinct pathology and novel biomarkers. <i>Cell Proliferation</i> , 2021, 54, e12968.	2.4	25
12	LncRNA DANCR represses Doxorubicin-induced apoptosis through stabilizing MALAT1 expression in colorectal cancer cells. <i>Cell Death and Disease</i> , 2021, 12, 24.	2.7	21
13	Inhibition of TGF β 2 improves hematopoietic stem cell niche and ameliorates cancer-related anemia. <i>Stem Cell Research and Therapy</i> , 2021, 12, 65.	2.4	6
14	Mesenchymal Stromal Cells Rapidly Suppress TCR Signaling-Mediated Cytokine Transcription in Activated T Cells Through the ICAM-1/CD43 Interaction. <i>Frontiers in Immunology</i> , 2021, 12, 609544.	2.2	8
15	Mesenchymal stromal cells attenuate post-stroke infection by preventing caspase-1-dependent splenic marginal zone B cell death. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 60.	7.1	3
16	Mesenchymal stem cells alleviate experimental immune-mediated liver injury via chitinase 3-like protein 1-mediated T cell suppression. <i>Cell Death and Disease</i> , 2021, 12, 240.	2.7	13
17	Knockout of NOS2 Promotes Adipogenic Differentiation of Rat MSCs by Enhancing Activation of JAK/STAT3 Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 638518.	1.8	6
18	A novel MSC-based immune induction strategy for ABO-incompatible liver transplantation: a phase I/II randomized, open-label, controlled trial. <i>Stem Cell Research and Therapy</i> , 2021, 12, 244.	2.4	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. <i>Frontiers in Immunology</i> , 2021, 12, 662441.	2.2	8
20	Assessment of infectivity and the impact on neutralizing activity of immune sera of the COVID-19 variant, CAL.20C. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 285.	7.1	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. <i>Precision Clinical Medicine</i> , 2021, 4, 149-154.	1.3	7
22	Autologous transplantation of thecal stem cells restores ovarian function in nonhuman primates. <i>Cell Discovery</i> , 2021, 7, 75.	3.1	9
23	An autofluorescence-based isolation of Leydig cells for testosterone deficiency treatment. <i>Molecular and Cellular Endocrinology</i> , 2021, 535, 111389.	1.6	6
24	Safety and feasibility of subconjunctival injection of mesenchymal stem cells for acute severe ocular burns: A single-arm study. <i>Ocular Surface</i> , 2021, 22, 103-109.	2.2	7
25	mRNA-engineered mesenchymal stromal cells expressing CXCR2 enhances cell migration and improves recovery in IBD. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 222-236.	2.3	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. <i>Blood</i> , 2021, 138, 260-260.	0.6	0
27	Transplantation of hPSC-derived pericyte-like cells promotes functional recovery in ischemic stroke mice. <i>Nature Communications</i> , 2020, 11, 5196.	5.8	63
28	A potential mechanism underlying U1 snRNP inhibition of the cleavage step of mRNA 3'UTR processing. <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 196-202.	1.0	10
29	Restorative functions of Autologous Stem Leydig Cell transplantation in a Testosterone-deficient non-human primate model. <i>Theranostics</i> , 2020, 10, 8705-8720.	4.6	17
30	Endosialin defines human stem Leydig cells with regenerative potential. <i>Human Reproduction</i> , 2020, 35, 2197-2212.	0.4	18
31	Mesenchymal stromal cells as a salvage treatment for confirmed acute respiratory distress syndrome: preliminary data from a single-arm study. <i>Intensive Care Medicine</i> , 2020, 46, 1944-1947.	3.9	11
32	Cardiac Nestin+ Mesenchymal Stromal Cells Enhance Healing of Ischemic Heart through Periostin-Mediated M2 Macrophage Polarization. <i>Molecular Therapy</i> , 2020, 28, 855-873.	3.7	27
33	Human Mesenchymal Stem Cell-Treated Regulatory CD23 ⁺ CD43 ⁺ B Cells Alleviate Intestinal Inflammation. <i>Theranostics</i> , 2019, 9, 4633-4647.	4.6	52
34	Nestin regulates cellular redox homeostasis in lung cancer through the Keap1-Nrf2 feedback loop. <i>Nature Communications</i> , 2019, 10, 5043.	5.8	74
35	Suboptimal RNA-RNA interaction limits U1 snRNP inhibition of canonical mRNA 3'UTR processing. <i>RNA Biology</i> , 2019, 16, 1448-1460.	1.5	11
36	Atypical behaviour and connectivity in SHANK3-mutant macaques. <i>Nature</i> , 2019, 570, 326-331.	13.7	172

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37	Characterization and Therapeutic Application of Mesenchymal Stem Cells with Neuromesodermal Origin from Human Pluripotent Stem Cells. <i>Theranostics</i> , 2019, 9, 1683-1697.	4.6	22
38	The efficacy of mesenchymal stem cells in bronchiolitis obliterans syndrome after allogeneic HSCT: A multicenter prospective cohort study. <i>EBioMedicine</i> , 2019, 49, 213-222.	2.7	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. <i>Blood</i> , 2019, 134, 5599-5599.	0.6	1
40	Efficacy of Mesenchymal Stem Cells in Bronchiolitis Obliterans Syndrome after Allogeneic HSCT: A Multicenter Prospective Cohort Study. <i>Blood</i> , 2019, 134, 871-871.	0.6	1
41	Mesenchymal Stromal Cells-Derived β 2-Microglobulin Promotes Epithelial-Mesenchymal Transition of Esophageal Squamous Cell Carcinoma Cells. <i>Scientific Reports</i> , 2018, 8, 5422.	1.6	15
42	CD8+CD28- T cells: not only age-related cells but a subset of regulatory T cells. <i>Cellular and Molecular Immunology</i> , 2018, 15, 734-736.	4.8	34
43	Modeling the Pathogenesis of Charcot-Marie-Tooth Disease Type 1A Using Patient-Specific iPSCs. <i>Stem Cell Reports</i> , 2018, 10, 120-133.	2.3	21
44	A Nestin-Cyclin-Dependent Kinase 5-Dynamin-Related Protein 1 Axis Regulates Neural Stem/Progenitor Cell Stemness via a Metabolic Shift. <i>Stem Cells</i> , 2018, 36, 589-601.	1.4	27
45	Highly efficient and expedited hepatic differentiation from human pluripotent stem cells by pure small-molecule cocktails. <i>Stem Cell Research and Therapy</i> , 2018, 9, 58.	2.4	67
46	ISL1 overexpression enhances the survival of transplanted human mesenchymal stem cells in a murine myocardial infarction model. <i>Stem Cell Research and Therapy</i> , 2018, 9, 51.	2.4	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. <i>Theranostics</i> , 2018, 8, 5929-5944.	4.6	68
48	Nuclear Nestin deficiency drives tumor senescence via lamin A/C-dependent nuclear deformation. <i>Nature Communications</i> , 2018, 9, 3613.	5.8	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. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 556-566.	1.1	18
50	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. <i>Journal of Hematology and Oncology</i> , 2018, 11, 11.	6.9	172
51	Stanniocalcin-2 contributes to mesenchymal stromal cells attenuating murine contact hypersensitivity mainly via reducing CD8+ Tc1 cells. <i>Cell Death and Disease</i> , 2018, 9, 548.	2.7	20
52	Mesenchymal stromal cells-derived matrix Gla protein contribute to the alleviation of experimental colitis. <i>Cell Death and Disease</i> , 2018, 9, 691.	2.7	19
53	Transplantation of CD51+ Stem Leydig Cells: A New Strategy for the Treatment of Testosterone Deficiency. <i>Stem Cells</i> , 2017, 35, 1222-1232.	1.4	59
54	Guanylate-binding protein 1 (GBP1) contributes to the immunity of human mesenchymal stromal cells against <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1365-1370.	3.3	70

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55	CXCR5-Overexpressing Mesenchymal Stromal Cells Exhibit Enhanced Homing and Can Decrease Contact Hypersensitivity. <i>Molecular Therapy</i> , 2017, 25, 1434-1447.	3.7	47
56	Substance P enhances endogenous neurogenesis to improve functional recovery after spinal cord injury. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 89, 110-119.	1.2	15
57	Enhanced generation of human induced pluripotent stem cells by ectopic expression of Connexin 45. <i>Scientific Reports</i> , 2017, 7, 458.	1.6	11
58	Transplanted human p75-positive stem Leydig cells replace disrupted Leydig cells for testosterone production. <i>Cell Death and Disease</i> , 2017, 8, e3123-e3123.	2.7	49
59	A snoRNA modulates mRNA 3' end processing and regulates the expression of a subset of mRNAs. <i>Nucleic Acids Research</i> , 2017, 45, 8647-8660.	6.5	73
60	Overexpression of Gremlin1 in Mesenchymal Stem Cells Improves Hindlimb Ischemia in Mice by Enhancing Cell Survival. <i>Journal of Cellular Physiology</i> , 2017, 232, 996-1007.	2.0	28
61	RNAi-mediated human Nestin silencing inhibits proliferation and migration of malignant melanoma cells by G1/S arrest via Akt-GSK3 β -Rb pathway. <i>Current Medical Science</i> , 2017, 37, 895-903.	0.7	1
62	Mesenchymal Stromal Cells Mitigate Experimental Colitis via Insulin-like Growth Factor Binding Protein 7-mediated Immunosuppression. <i>Molecular Therapy</i> , 2016, 24, 1860-1872.	3.7	24
63	Human umbilical cord-derived mesenchymal stem cells protect against experimental colitis via CD5+ B regulatory cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 109.	2.4	44
64	Nestin regulates neural stem cell migration via controlling the cell contractility. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 78, 349-360.	1.2	22
65	Suppression of MicroRNA 200 Family Expression by Oncogenic KRAS Activation Promotes Cell Survival and Epithelial-Mesenchymal Transition in KRAS-Driven Cancer. <i>Molecular and Cellular Biology</i> , 2016, 36, 2742-2754.	1.1	42
66	TALEN-based generation of a cynomolgus monkey disease model for human microcephaly. <i>Cell Research</i> , 2016, 26, 1048-1061.	5.7	36
67	ERK/Drp1-dependent mitochondrial fission is involved in the MSC-induced drug resistance of T-cell acute lymphoblastic leukemia cells. <i>Cell Death and Disease</i> , 2016, 7, e2459-e2459.	2.7	84
68	Efficient production of cynomolgus monkeys with a toolbox of enhanced assisted reproductive technologies. <i>Scientific Reports</i> , 2016, 6, 25888.	1.6	8
69	Expression patterns of transcription factor PPAR γ and C/EBP family members during in vitro adipogenesis of human bone marrow mesenchymal stem cells. <i>Cell Biology International</i> , 2015, 39, 457-465.	1.4	18
70	Nestin+ kidney resident mesenchymal stem cells for the treatment of acute kidney ischemia injury. <i>Biomaterials</i> , 2015, 50, 56-66.	5.7	53
71	Human mesenchymal stromal cells enhance the immunomodulatory function of CD8+CD28 α^+ regulatory T cells. <i>Cellular and Molecular Immunology</i> , 2015, 12, 708-718.	4.8	66
72	One-step generation of p53 gene biallelic mutant Cynomolgus monkey via the CRISPR/Cas system. <i>Cell Research</i> , 2015, 25, 258-261.	5.7	91

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73	Engraftable neural crest stem cells derived from cynomolgus monkey embryonic stem cells. <i>Biomaterials</i> , 2015, 39, 75-84.	5.7	17
74	Bone marrow-derived mesenchymal stem cell-secreted IL-8 promotes the angiogenesis and growth of colorectal cancer. <i>Oncotarget</i> , 2015, 6, 42825-42837.	0.8	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. <i>Cell Transplantation</i> , 2014, 23, 1087-1098.	1.2	71
76	Characterization of Nestin-positive stem Leydig cells as a potential source for the treatment of testicular Leydig cell dysfunction. <i>Cell Research</i> , 2014, 24, 1466-1485.	5.7	134
77	Alteration of Na ⁺ and Memory B-Cell Subset in Chronic Graft-Versus-Host Disease Patients After Treatment With Mesenchymal Stromal Cells. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1023-1031.	1.6	22
78	Islet-1 Overexpression in Human Mesenchymal Stem Cells Promotes Vascularization Through Monocyte Chemoattractant Protein-3. <i>Stem Cells</i> , 2014, 32, 1843-1854.	1.4	18
79	Contribution of nestin positive esophageal squamous cancer cells on malignant proliferation, apoptosis, and poor prognosis. <i>Cancer Cell International</i> , 2014, 14, 57.	1.8	17
80	Generation of Gene-Modified Cynomolgus Monkey via Cas9/RNA-Mediated Gene Targeting in One-Cell Embryos. <i>Cell</i> , 2014, 156, 836-843.	13.5	930
81	Role of the Stem Cell-Associated Intermediate Filament Nestin in Malignant Proliferation of Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2014, 9, e85584.	1.1	33
82	Heterogeneity of the biological properties and gene expression profiles of murine bone marrow stromal cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2431-2443.	1.2	29
83	Connexin 43 is involved in the generation of human-induced pluripotent stem cells. <i>Human Molecular Genetics</i> , 2013, 22, 2221-2233.	1.4	65
84	Suicide gene-mediated ablation of tumor-initiating mouse pluripotent stem cells. <i>Biomaterials</i> , 2013, 34, 1701-1711.	5.7	31
85	Safeguarding clinical translation of pluripotent stem cells with suicide genes. <i>Organogenesis</i> , 2013, 9, 34-39.	0.4	27
86	Donor-Derived Mesenchymal Stem Cells Combined With Low-Dose Tacrolimus Prevent Acute Rejection After Renal Transplantation. <i>Transplantation</i> , 2013, 95, 161-168.	0.5	150
87	Generation and neuronal differentiation of induced pluripotent stem cells in Cdy ^Δ /Δ mice. <i>NeuroReport</i> , 2013, 24, 114-119.	0.6	14
88	Motoneuron Differentiation of Induced Pluripotent Stem Cells from SOD1 ^{G93A} Mice. <i>PLoS ONE</i> , 2013, 8, e64720.	1.1	17
89	PPAR ^δ suppression inhibits adipogenesis but does not promote osteogenesis of human mesenchymal stem cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 377-384.	1.2	61
90	IFN- ^γ -primed human bone marrow mesenchymal stem cells induce tumor cell apoptosis in vitro via tumor necrosis factor-related apoptosis-inducing ligand. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1305-1314.	1.2	39

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91	Protecting against wayward human induced pluripotent stem cells with a suicide gene. <i>Biomaterials</i> , 2012, 33, 3195-3204.	5.7	67
92	Human platelet lysate supports <i>ex vivo</i> expansion and enhances osteogenic differentiation of human bone marrow-derived mesenchymal stem cells. <i>Cell Biology International</i> , 2011, 35, 639-643.	1.4	56
93	Generation of retinal ganglion-like cells from reprogrammed mouse fibroblasts. <i>Annals of Neurosciences</i> , 2011, 18, 64-5.	0.9	2
94	Generation of functional hepatocytes from mouse induced pluripotent stem cells. <i>Journal of Cellular Physiology</i> , 2010, 222, 492-501.	2.0	42
95	Efficient Genetic Modification of Cynomolgus Monkey Embryonic Stem Cells with Lentiviral Vectors. <i>Cell Transplantation</i> , 2010, 19, 1181-1193.	1.2	13
96	A versatile tool for tracking the differentiation of human embryonic stem cells. <i>Frontiers in Biology</i> , 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. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 495-503.	2.1	30
98	Multiple mesodermal lineage differentiation of <i>Apodemus sylvaticus</i> embryonic stem cells in vitro. <i>BMC Cell Biology</i> , 2010, 11, 42.	3.0	2
99	Nestin Is Required for the Proper Self-Renewal of Neural Stem Cells. <i>Stem Cells</i> , 2010, 28, 2162-2171.	1.4	278
100	Systematic Comparison of Constitutive Promoters and the Doxycycline-Inducible Promoter. <i>PLoS ONE</i> , 2010, 5, e10611.	1.1	413
101	A Stem Cell-Based Tool for Small Molecule Screening in Adipogenesis. <i>PLoS ONE</i> , 2010, 5, e13014.	1.1	14
102	Expression of nestin in lymph node metastasis and lymphangiogenesis in non-small cell lung cancer patients. <i>Human Pathology</i> , 2010, 41, 737-744.	1.1	23
103	Systematic identification of cis-silenced genes by trans complementation. <i>Human Molecular Genetics</i> , 2009, 18, 835-846.	1.4	14
104	Evaluation of human mesenchymal stem cells response to biomimetic bioglass-collagen-hyaluronic acid-phosphatidylserine composite scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 264-273.	2.1	32
105	Derivation, characterization and gene modification of cynomolgus monkey mesenchymal stem cells. <i>Differentiation</i> , 2009, 77, 256-262.	1.0	24
106	Distribution of Cytoskeleton Protein Nestin in Acute Leukemia. <i>Blood</i> , 2009, 114, 4721-4721.	0.6	1
107	Mesenchymal Stem Cells Relieve Chronic GVHD Via Modulation the Ratio of CD8+CD28-/CD8+CD28+T Cells. <i>Blood</i> , 2009, 114, 4501-4501.	0.6	0
108	Critical role of phosphoinositide 3-kinase cascade in adipogenesis of human mesenchymal stem cells. <i>Molecular and Cellular Biochemistry</i> , 2008, 310, 11-18.	1.4	111

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109	Extensive contribution of embryonic stem cells to the development of an evolutionarily divergent host. <i>Human Molecular Genetics</i> , 2008, 17, 27-37.	1.4	29
110	Establishment and characterization of two new human embryonic stem cell lines, SYSU-1 and SYSU-2. <i>Chinese Medical Journal</i> , 2007, 120, 589-594.	0.9	3
111	Proteomic identification of differently expressed proteins responsible for osteoblast differentiation from human mesenchymal stem cells. <i>Molecular and Cellular Biochemistry</i> , 2007, 304, 167-179.	1.4	66