

Andy Peng Xiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8813011/publications.pdf>

Version: 2024-02-01

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	Generation of Gene-Modified Cynomolgus Monkey via Cas9/RNA-Mediated Gene Targeting in One-Cell Embryos. <i>Cell</i> , 2014, 156, 836-843.	28.9	930
2	Systematic Comparison of Constitutive Promoters and the Doxycycline-Inducible Promoter. <i>PLoS ONE</i> , 2010, 5, e10611.	2.5	413
3	Nestin Is Required for the Proper Self-Renewal of Neural Stem Cells. <i>Stem Cells</i> , 2010, 28, 2162-2171.	3.2	278
4	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.	17.0	172
5	Atypical behaviour and connectivity in SHANK3-mutant macaques. <i>Nature</i> , 2019, 570, 326-331.	27.8	172
6	Donor-Derived Mesenchymal Stem Cells Combined With Low-Dose Tacrolimus Prevent Acute Rejection After Renal Transplantation. <i>Transplantation</i> , 2013, 95, 161-168.	1.0	150
7	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.	12.0	134
8	Critical role of phosphoinositide 3-kinase cascade in adipogenesis of human mesenchymal stem cells. <i>Molecular and Cellular Biochemistry</i> , 2008, 310, 11-18.	3.1	111
9	One-step generation of p53 gene biallelic mutant Cynomolgus monkey via the CRISPR/Cas system. <i>Cell Research</i> , 2015, 25, 258-261.	12.0	91
10	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.	6.3	84
11	Bone marrow-derived mesenchymal stem cell-secreted IL-8 promotes the angiogenesis and growth of colorectal cancer. <i>Oncotarget</i> , 2015, 6, 42825-42837.	1.8	79
12	Nestin regulates cellular redox homeostasis in lung cancer through the Keap1-Nrf2 feedback loop. <i>Nature Communications</i> , 2019, 10, 5043.	12.8	74
13	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.	14.5	73
14	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.	2.5	71
15	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.	7.1	70
16	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.	10.0	68
17	Protecting against wayward human induced pluripotent stem cells with a suicide gene. <i>Biomaterials</i> , 2012, 33, 3195-3204.	11.4	67
18	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.	5.5	67

#	ARTICLE	IF	CITATIONS
19	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.	3.1	66
20	Human mesenchymal stromal cells enhance the immunomodulatory function of CD8+CD28 ^{hi} regulatory T cells. <i>Cellular and Molecular Immunology</i> , 2015, 12, 708-718.	10.5	66
21	Connexin 43 is involved in the generation of human-induced pluripotent stem cells. <i>Human Molecular Genetics</i> , 2013, 22, 2221-2233.	2.9	65
22	Transplantation of hPSC-derived pericyte-like cells promotes functional recovery in ischemic stroke mice. <i>Nature Communications</i> , 2020, 11, 5196.	12.8	63
23	PPAR γ 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.	2.8	61
24	Transplantation of CD51+ Stem Leydig Cells: A New Strategy for the Treatment of Testosterone Deficiency. <i>Stem Cells</i> , 2017, 35, 1222-1232.	3.2	59
25	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.	3.0	56
26	Nestin+ kidney resident mesenchymal stem cells for the treatment of acute kidney ischemia injury. <i>Biomaterials</i> , 2015, 50, 56-66.	11.4	53
27	Human Mesenchymal Stem Cell-Treated Regulatory CD23 ⁺ CD43 ⁺ B Cells Alleviate Intestinal Inflammation. <i>Theranostics</i> , 2019, 9, 4633-4647.	10.0	52
28	Transplanted human p75-positive stem Leydig cells replace disrupted Leydig cells for testosterone production. <i>Cell Death and Disease</i> , 2017, 8, e3123-e3123.	6.3	49
29	CXCR5-Overexpressing Mesenchymal Stromal Cells Exhibit Enhanced Homing and Can Decrease Contact Hypersensitivity. <i>Molecular Therapy</i> , 2017, 25, 1434-1447.	8.2	47
30	Nuclear Nestin deficiency drives tumor senescence via lamin A/C-dependent nuclear deformation. <i>Nature Communications</i> , 2018, 9, 3613.	12.8	45
31	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.	5.5	44
32	Generation of functional hepatocytes from mouse induced pluripotent stem cells. <i>Journal of Cellular Physiology</i> , 2010, 222, 492-501.	4.1	42
33	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.	2.3	42
34	Targeting Nestin+ hepatic stellate cells ameliorates liver fibrosis by facilitating T β RI degradation. <i>Journal of Hepatology</i> , 2021, 74, 1176-1187.	3.7	42
35	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.	2.8	39
36	TALEN-based generation of a cynomolgus monkey disease model for human microcephaly. <i>Cell Research</i> , 2016, 26, 1048-1061.	12.0	36

#	ARTICLE	IF	CITATIONS
37	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.	10.5	34
38	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.	2.5	33
39	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.	4.0	32
40	Suicide gene-mediated ablation of tumor-initiating mouse pluripotent stem cells. <i>Biomaterials</i> , 2013, 34, 1701-1711.	11.4	31
41	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.	4.0	30
42	Extensive contribution of embryonic stem cells to the development of an evolutionarily divergent host. <i>Human Molecular Genetics</i> , 2008, 17, 27-37.	2.9	29
43	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.	2.8	29
44	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.	4.1	28
45	Safeguarding clinical translation of pluripotent stem cells with suicide genes. <i>Organogenesis</i> , 2013, 9, 34-39.	1.2	27
46	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.	3.2	27
47	Cardiac Nestin+ Mesenchymal Stromal Cells Enhance Healing of Ischemic Heart through Periostin-Mediated M2 Macrophage Polarization. <i>Molecular Therapy</i> , 2020, 28, 855-873.	8.2	27
48	Systemic transcriptome comparison between early-And late-onset pre-eclampsia shows distinct pathology and novel biomarkers. <i>Cell Proliferation</i> , 2021, 54, e12968.	5.3	25
49	Derivation, characterization and gene modification of cynomolgus monkey mesenchymal stem cells. <i>Differentiation</i> , 2009, 77, 256-262.	1.9	24
50	Mesenchymal Stromal Cells Mitigate Experimental Colitis via Insulin-like Growth Factor Binding Protein 7-mediated Immunosuppression. <i>Molecular Therapy</i> , 2016, 24, 1860-1872.	8.2	24
51	Expression of nestin in lymph node metastasis and lymphangiogenesis in non-small cell lung cancer patients. <i>Human Pathology</i> , 2010, 41, 737-744.	2.0	23
52	Alteration of Naïve 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.	3.3	22
53	Nestin regulates neural stem cell migration via controlling the cell contractility. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 78, 349-360.	2.8	22
54	Characterization and Therapeutic Application of Mesenchymal Stem Cells with Neuromesodermal Origin from Human Pluripotent Stem Cells. <i>Theranostics</i> , 2019, 9, 1683-1697.	10.0	22

#	ARTICLE	IF	CITATIONS
55	Modeling the Pathogenesis of Charcot-Marie-Tooth Disease Type 1A Using Patient-Specific iPSCs. <i>Stem Cell Reports</i> , 2018, 10, 120-133.	4.8	21
56	LncRNA DANCR represses Doxorubicin-induced apoptosis through stabilizing MALAT1 expression in colorectal cancer cells. <i>Cell Death and Disease</i> , 2021, 12, 24.	6.3	21
57	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.	6.3	20
58	Mesenchymal stromal cells-derived matrix Gla protein contribute to the alleviation of experimental colitis. <i>Cell Death and Disease</i> , 2018, 9, 691.	6.3	19
59	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.	6.1	19
60	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.	5.1	19
61	Islet-1 Overexpression in Human Mesenchymal Stem Cells Promotes Vascularization Through Monocyte Chemoattractant Protein-3. <i>Stem Cells</i> , 2014, 32, 1843-1854.	3.2	18
62	Expression patterns of transcription factor PPAR γ 3 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.	3.0	18
63	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.	5.5	18
64	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.	1.6	18
65	Endosialin defines human stem Leydig cells with regenerative potential. <i>Human Reproduction</i> , 2020, 35, 2197-2212.	0.9	18
66	Motoneuron Differentiation of Induced Pluripotent Stem Cells from SOD1G93A Mice. <i>PLoS ONE</i> , 2013, 8, e64720.	2.5	17
67	Contribution of nestin positive esophageal squamous cancer cells on malignant proliferation, apoptosis, and poor prognosis. <i>Cancer Cell International</i> , 2014, 14, 57.	4.1	17
68	Engraftable neural crest stem cells derived from cynomolgus monkey embryonic stem cells. <i>Biomaterials</i> , 2015, 39, 75-84.	11.4	17
69	Restorative functions of Autologous Stem Leydig Cell transplantation in a Testosterone-deficient non-human primate model. <i>Theranostics</i> , 2020, 10, 8705-8720.	10.0	17
70	Nestin promotes pulmonary fibrosis via facilitating recycling of TGF- β 2 receptor I. <i>European Respiratory Journal</i> , 2022, 59, 2003721.	6.7	17
71	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.	2.8	15
72	Mesenchymal Stromal Cells-Derived β 2-Microglobulin Promotes Epithelial-Mesenchymal Transition of Esophageal Squamous Cell Carcinoma Cells. <i>Scientific Reports</i> , 2018, 8, 5422.	3.3	15

#	ARTICLE	IF	CITATIONS
73	Systematic identification of cis-silenced genes by trans complementation. <i>Human Molecular Genetics</i> , 2009, 18, 835-846.	2.9	14
74	A Stem Cell-Based Tool for Small Molecule Screening in Adipogenesis. <i>PLoS ONE</i> , 2010, 5, e13014.	2.5	14
75	Generation and neuronal differentiation of induced pluripotent stem cells in <i>Cdyl</i> ^{-/-} mice. <i>NeuroReport</i> , 2013, 24, 114-119.	1.2	14
76	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2022, , .	14.5	14
77	Human mesenchymal stem cells. <i>Cell Proliferation</i> , 2022, 55, e13141.	5.3	14
78	Efficient Genetic Modification of Cynomolgus Monkey Embryonic Stem Cells with Lentiviral Vectors. <i>Cell Transplantation</i> , 2010, 19, 1181-1193.	2.5	13
79	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.	6.3	13
80	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.	5.5	13
81	Enhanced generation of human induced pluripotent stem cells by ectopic expression of Connexin 45. <i>Scientific Reports</i> , 2017, 7, 458.	3.3	11
82	Suboptimal RNA-RNA interaction limits U1 snRNP inhibition of canonical mRNA 3'UTR processing. <i>RNA Biology</i> , 2019, 16, 1448-1460.	3.1	11
83	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.	8.2	11
84	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.	2.1	10
85	Autologous transplantation of thecal stem cells restores ovarian function in nonhuman primates. <i>Cell Discovery</i> , 2021, 7, 75.	6.7	9
86	Efficient production of cynomolgus monkeys with a toolbox of enhanced assisted reproductive technologies. <i>Scientific Reports</i> , 2016, 6, 25888.	3.3	8
87	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.	4.8	8
88	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.	4.8	8
89	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.	17.1	8
90	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.	3.3	7

#	ARTICLE	IF	CITATIONS
91	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.	4.4	7
92	Accurate Machine Learning Model to Diagnose Chronic Autoimmune Diseases Utilizing Information From B Cells and Monocytes. <i>Frontiers in Immunology</i> , 2022, 13, 870531.	4.8	7
93	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.	5.5	6
94	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.	3.7	6
95	An autofluorescence-based isolation of Leydig cells for testosterone deficiency treatment. <i>Molecular and Cellular Endocrinology</i> , 2021, 535, 111389.	3.2	6
96	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.	3.3	6
97	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.	4.8	5
98	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.	2.3	3
99	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.	17.1	3
100	Lateral Mesoderm-Derived Mesenchymal Stem Cells With Robust Osteochondrogenic Potential and Hematopoiesis-Supporting Ability. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 767536.	3.5	3
101	A versatile tool for tracking the differentiation of human embryonic stem cells. <i>Frontiers in Biology</i> , 2010, 5, 455-463.	0.7	2
102	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
103	Generation of retinal ganglion-like cells from reprogrammed mouse fibroblasts. <i>Annals of Neurosciences</i> , 2011, 18, 64-5.	1.7	2
104	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.	3.2	2
105	RNAi-mediated human Nestin silence 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.	1.8	1
106	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.	1.4	1
107	Distribution of Cytoskeleton Protein Nestin in Acute Leukemia. <i>Blood</i> , 2009, 114, 4721-4721.	1.4	1
108	Efficacy of Mesenchymal Stem Cells in Bronchiolitis Obliterans Syndrome after Allogeneic HSCT: A Multicenter Prospective Cohort Study. <i>Blood</i> , 2019, 134, 871-871.	1.4	1

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	CFIm25 regulates human stem cell function independently of its role in mRNA alternative polyadenylation. RNA Biology, 2022, 19, 686-702.	3.1	0