Linzhao Cheng

List of Publications by Year
in descending order

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		212478	124990
74	4,950	28	64
papers	citations	h-index	g-index

78	78	78	8892
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Erythropoietic properties of human induced pluripotent stem cellsâ€derived red blood cells in immunodeficient mice. American Journal of Hematology, 2022, 97, 194-202.	2.0	8
2	In memory of Hal E. Broxmeyer, a pluripotent scientist, pioneer, and mentor. Blood Science, 2022, 4, 1-4.	0.4	0
3	Benchmarking spatial and single-cell transcriptomics integration methods for transcript distribution prediction and cell type deconvolution. Nature Methods, 2022, 19, 662-670.	9.0	130
4	Transcriptional profile of platelets and iPSC-derived megakaryocytes from whole-genome and RNA sequencing. Blood, 2021, 137, 959-968.	0.6	21
5	Decline of SARS-CoV-2-specific IgG, IgM and IgA in convalescent COVID-19 patients within 100 days after hospital discharge. Science China Life Sciences, 2021, 64, 482-485.	2.3	27
6	Highly efficient magnetic labelling allows MRI tracking of the homing of stem cellâ€derived extracellular vesicles following systemic delivery. Journal of Extracellular Vesicles, 2021, 10, e12054.	5.5	43
7	HIF2A gain-of-function mutation modulates the stiffness of smooth muscle cells and compromises vascular mechanics. IScience, 2021, 24, 102246.	1.9	14
8	Gene and protein expression in human megakaryocytes derived from induced pluripotent stem cells. Journal of Thrombosis and Haemostasis, 2021, 19, 1783-1799.	1.9	6
9	BMI1 enables extensive expansion of functional erythroblasts from human peripheral blood mononuclear cells. Molecular Therapy, 2021, 29, 1918-1932.	3.7	11
10	Sequential cellular niches control the generation of enucleated erythrocytes from human pluripotent stem cells. Haematologica, 2020, 105, e48-e51.	1.7	17
11	Generation and characterization of a novel human iPSC line from a resilient Alzheimerâ€™s disease patient. Stem Cell Research, 2020, 48, 101979.	0.3	4
12	Serum IgA, IgM, and IgG responses in COVID-19. Cellular and Molecular Immunology, 2020, 17, 773-775.	4.8	379
13	iPSCs from people with MS can differentiate into oligodendrocytes in a homeostatic but not an inflammatory milieu. PLoS ONE, 2020, 15, e0233980.	1.1	28
14	Human Forebrain Organoids from Induced Pluripotent Stem Cells: A Novel Approach to Model Repair of Ionizing Radiation-Induced DNA Damage in Human Neurons. Radiation Research, 2020, 194, 191.	0.7	10
15	Characteristics of in Vitro Differentiated Erythrocytes Derived from Human Bmi-1 Extensively Expanded Erythroblasts (E3). Blood, 2020, 136, 30-30.	0.6	0
16	Effective Erythropoiesis from Human iPSC-Derived RBC in Immunodeficient Mice. Blood, 2020, 136, 42-42.	0.6	0
17	Efficient Enucleation and In Vivo Circulation of Differentiated Human Erythroblasts Derived from Peripheral Blood Mononuclear Cells after Extensive Expansion. Blood, 2020, 136, 23-24.	0.6	0
18	The role of mutations associated with familial neurodegenerative disorders on bloodâ€“brain barrier function in an iPSC model. Fluids and Barriers of the CNS, 2019, 16, 20.	2.4	51

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19	Highly Purified Human Extracellular Vesicles Produced by Stem Cells Alleviate Aging Cellular Phenotypes of Senescent Human Cells. Stem Cells, 2019, 37, 779-790.	1.4	111
20	Human iPSC-derived blood-brain barrier microvessels: validation of barrier function and endothelial cell behavior. Biomaterials, 2019, 190-191, 24-37.	5.7	141
21	INDUCED PLURIPOTENT STEM CELLS AND GENE TARGETING FOR REGENERATIVE MEDICINE. , 2019, , 549-562.		0
22	Conditional gene knockout and reconstitution in human iPSCs with an inducible Cas9 system. Stem Cell Research, 2018, 29, 6-14.	0.3	15
23	A Universal Approach to Correct Various HBB Gene Mutations in Human Stem Cells for Gene Therapy of Beta-Thalassemia and Sickle Cell Disease. Stem Cells Translational Medicine, 2018, 7, 87-97.	1.6	64
24	Heterozygous IDH1R132H/WT created by â€œsingle base editingâ€•inhibits human astroglial cell growth by downregulating YAP. Oncogene, 2018, 37, 5160-5174.	2.6	27
25	The VWRPY Domain Is Essential for RUNX1 Function in Hematopoietic Progenitor Cell Maturation and Megakaryocyte Differentiation. Blood, 2018, 132, 1319-1319.	0.6	1
26	Generation of human iPSCs from an essential thrombocythemia patient carrying a V501L mutation in the MPL gene. Stem Cell Research, 2017, 18, 57-59.	0.3	3
27	Integrity of Induced Pluripotent Stem Cell (iPSC) Derived Megakaryocytes as Assessed by Genetic and Transcriptomic Analysis. PLoS ONE, 2017, 12, e0167794.	1.1	9
28	A hypomorphic PIGA gene mutation causes severe defects in neuron development and susceptibility to complement-mediated toxicity in a human iPSC model. PLoS ONE, 2017, 12, e0174074.	1.1	13
29	A Method for Genome Editing in Human Pluripotent Stem Cells. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot090217.	0.2	1
30	Genome Editing in Human Pluripotent Stem Cells. Cold Spring Harbor Protocols, 2016, 2016, pdb.top086819.	0.2	5
31	Integration-free erythroblast-derived human induced pluripotent stem cells (iPSCs) from an individual with Ataxia-Telangiectasia (A-T). Stem Cell Research, 2016, 17, 205-207.	0.3	1
32	Robust reprogramming of Ataxia-Telangiectasia patient and carrier erythroid cells to induced pluripotent stem cells. Stem Cell Research, 2016, 17, 296-305.	0.3	5
33	Questions about NgAgo. Protein and Cell, 2016, 7, 913-915.	4.8	24
34	Definitive Hematopoietic Multipotent Progenitor Cells Are Transiently Generated From Hemogenic Endothelial Cells in Human Pluripotent Stem Cells. Journal of Cellular Physiology, 2016, 231, 1065-1076.	2.0	10
35	Generation, Characterization and Genetic Modification of Human iPSCs Containing Calr, MPL and JAK2 Mutations Found in MPN Patients. Blood, 2016, 128, 3139-3139.	0.6	1
36	Human NOTCH4 Is a Key Target of RUNX1 in Megakaryocytic Differentiation. Blood, 2016, 128, 425-425.	0.6	1

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37	Early Intervention for Spinal Cord Injury with Human Induced Pluripotent Stem Cells Oligodendrocyte Progenitors. PLoS ONE, 2015, 10, e0116933.	1.1	61
38	Production of Gene-Corrected Adult Beta Globin Protein in Human Erythrocytes Differentiated from Patient iPSCs After Genome Editing of the Sickle Point Mutation. Stem Cells, 2015, 33, 1470-1479.	1.4	164
39	A Facile Method to Establish Human Induced Pluripotent Stem Cells From Adult Blood Cells Under Feeder-Free and Xeno-Free Culture Conditions: A Clinically Compliant Approach. Stem Cells Translational Medicine, 2015, 4, 320-332.	1.6	71
40	Efficient Generation of Megakaryocytes From Human Induced Pluripotent Stem Cells Using Food and Drug Administration-Approved Pharmacological Reagents. Stem Cells Translational Medicine, 2015, 4, 309-319.	1.6	53
41	Efficient and Allele-Specific Genome Editing of Disease Loci in Human iPSCs. Molecular Therapy, 2015, 23, 570-577.	3.7	164
42	A Germline Mutation in ERBB3 Predisposes to Inherited Erythroid Myelodysplasia/Erythroleukemia. Blood, 2015, 126, 4105-4105.	0.6	1
43	The Roles of RUNX1 in Human Hematopoiesis and Megakaryopoiesis Revealed By Genome-Targeted Human iPSCs and an Improved Hematopoietic Differentiation Model. Blood, 2015, 126, 1167-1167.	0.6	0
44	Differential Sensitivity to JAK Inhibitory Drugs by Isogenic Human Erythroblasts and Hematopoietic Progenitors Generated from Patient-Specific Induced Pluripotent Stem Cells. Stem Cells, 2014, 32, 269-278.	1.4	36
45	Whole-Genome Sequencing Identifies Genetic Variances in Culture-Expanded Human Mesenchymal Stem Cells. Stem Cell Reports, 2014, 3, 227-233.	2.3	42
46	Whole-Genome Sequencing Analysis Reveals High Specificity of CRISPR/Cas9 and TALEN-Based Genome Editing in Human iPSCs. Cell Stem Cell, 2014, 15, 12-13.	5.2	315
47	Synaptic dysregulation in a human iPS cell model of mental disorders. Nature, 2014, 515, 414-418.	13.7	471
48	Extensive Ex Vivo Expansion of Functional Human Erythroid Precursors Established From Umbilical Cord Blood Cells by Defined Factors. Molecular Therapy, 2014, 22, 451-463.	3.7	45
49	Concise Review: Stem Cell-Based Approaches to Red Blood Cell Production for Transfusion. Stem Cells Translational Medicine, 2014, 3, 346-355.	1.6	44
50	25: INDUCED PLURIPOTENT STEM CELLS AND GENE TARGETING FOR REGENERATIVE MEDICINE. ICP Textbooks in Biomolecular Sciences, 2014, , 477-490.	0.1	0
51	Scalable expansion of human induced pluripotent stem cells in the defined xeno-free E8 medium under adherent and suspension culture conditions. Stem Cell Research, 2013, 11, 1103-1116.	0.3	121
52	Expanded activity of dimer nucleases by combining ZFN and TALEN for genome editing. Scientific Reports, 2013, 3, 2376.	1.6	21
53	FDA-Approved Pharmacological Agents, Romiplostium and Oprelvekin, Synergistically Promote Megakaryocytic Differentiation From Human iPSCs In a Chemically Defined System. Blood, 2013, 122, 1208-1208.	0.6	0
54	Efficient Derivation and Genetic Modifications of Human Pluripotent Stem Cells on Engineered Human Feeder Cell Lines. Stem Cells and Development, 2012, 21, 2298-2311.	1.1	29

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55	Generation of integration-free human induced pluripotent stem cells from postnatal blood mononuclear cells by plasmid vector expression. Nature Protocols, 2012, 7, 2013-2021.	5.5	142
56	Concise Review: Human Cell Engineering: Cellular Reprogramming and Genome Editing. Stem Cells, 2012, 30, 75-81.	1.4	36
57	Extensive Ex Vivo Expansion of Functional Human Erythroid Precursor Cells From Reprogrammed Post-Natal Blood Mononuclear Cells by Defined Factors. Blood, 2012, 120, 975-975.	0.6	0
58	Generation of GPI Anchor Deficient Blood Cells From Human iPSCs.. Blood, 2012, 120, 2358-2358.	0.6	0
59	Molecular Imaging and Stem Cell Research. Molecular Imaging, 2011, 10, 7290.2010.00046.	0.7	19
60	Site-specific gene correction of a point mutation in human iPS cells derived from an adult patient with sickle cell disease. Blood, 2011, 118, 4599-4608.	0.6	285
61	Efficient human iPS cell derivation by a non-integrating plasmid from blood cells with unique epigenetic and gene expression signatures. Cell Research, 2011, 21, 518-529.	5.7	420
62	Zinc fingers hit off target. Nature Medicine, 2011, 17, 1192-1193.	15.2	9
63	Distinct Induced Pluripotent Stem Cell Clones with Somatic Mutations Prepared From PV Patients. Blood, 2011, 118, 2826-2826.	0.6	0
64	Human IPS Cells Generated From Adult Peripheral Blood Cells and Purified CD34+ Cells by a Non-Integrating Plasmid.. Blood, 2010, 116, 1589-1589.	0.6	1
65	Generation and application of human iPS cells. Science Bulletin, 2009, 54, 9-13.	1.7	5
66	Gene Targeting of a Disease-Related Gene in Human Induced Pluripotent Stem and Embryonic Stem Cells. Cell Stem Cell, 2009, 5, 97-110.	5.2	505
67	Improved Efficiency and Pace of Generating Induced Pluripotent Stem Cells from Human Adult and Fetal Fibroblasts. Stem Cells, 2008, 26, 1998-2005.	1.4	266
68	More new lines of human parthenogenetic embryonic stem cells. Cell Research, 2008, 18, 215-217.	5.7	17
69	The HMGA1a-STAT3 axis: an â€œAchilles Heelâ€•for Hematopoietic Malignancies Overexpressing HMGA1a?. Blood, 2008, 112, 3810-3810.	0.6	1
70	Inducible and Reversible Transgene Expression in Human Stem Cells After Efficient and Stable Gene Transfer. Stem Cells, 2007, 25, 779-789.	1.4	58
71	Reprogramming somatic cells without fusion or ethical confusion. Regenerative Medicine, 2006, 1, 837-840.	0.8	1
72	Developmental Potentials of Human Embryonic Stem Cells Lacking PIG-A and GPI-Anchored Proteins.. Blood, 2006, 108, 1314-1314.	0.6	0

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73	Human Adult Marrow Cells Support Prolonged Expansion of Human Embryonic Stem Cells in Culture. Stem Cells, 2003, 21, 131-142.	1.4	317
74	High Levels of Transgene Expression Following Transduction of Long-Term NOD/SCID-Repopulating Human Cells with a Modified Lentiviral Vector. Stem Cells, 2001, 19, 247-259.	1.4	41