Zhaohui Ye

List of Publications by Year
in descending order

80 papers	7,336 citations	76326 40 h-index	79698 73 g-index
82 all docs	82 docs citations	82 times ranked	10683 citing authors

#	Article	IF	Citations
1	Gene Targeting of a Disease-Related Gene in Human Induced Pluripotent Stem and Embryonic Stem Cells. Cell Stem Cell, 2009, 5, 97-110.	11.1	505
2	Effectiveness of exome and genome sequencing guided by acuity of illness for diagnosis of neurodevelopmental disorders. Science Translational Medicine, 2014, 6, 265ra168.	12.4	440
3	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.	12.0	420
4	Butyrate Greatly Enhances Derivation of Human Induced Pluripotent Stem Cells by Promoting Epigenetic Remodeling and the Expression of Pluripotency-Associated Genes. Stem Cells, 2010, 28, 713-720.	3.2	385
5	Human-induced pluripotent stem cells from blood cells of healthy donors and patients with acquired blood disorders. Blood, 2009, 114, 5473-5480.	1.4	364
6	Human Adult Marrow Cells Support Prolonged Expansion of Human Embryonic Stem Cells in Culture. Stem Cells, 2003, 21, 131-142.	3.2	317
7	Defining the Role of Wnt/Î²-Catenin Signaling in the Survival, Proliferation, and Self-Renewal of Human Embryonic Stem Cells. Stem Cells, 2005, 23, 1489-1501.	3.2	315
8	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.	11.1	315
9	Improved Efficiency and Pace of Generating Induced Pluripotent Stem Cells from Human Adult and Fetal Fibroblasts. Stem Cells, 2008, 26, 1998-2005.	3.2	266
10	In vivo commitment and functional tissue regeneration using human embryonic stem cell-derived mesenchymal cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20641-20646.	7.1	261
11	Low Incidence of DNA Sequence Variation in Human Induced Pluripotent Stem Cells Generated by Nonintegrating Plasmid Expression. Cell Stem Cell, 2012, 10, 337-344.	11.1	226
12	Generation of endoderm-derived human induced pluripotent stem cells from primary hepatocytes. Hepatology, 2010, 51, 1810-1819.	7.3	219
13	Efficient drug screening and gene correction for treating liver disease using patient-specific stem cells. Hepatology, 2013, 57, 2458-2468.	7.3	216
14	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.	3.2	164
15	Efficient and Allele-Specific Genome Editing of Disease Loci in Human iPSCs. Molecular Therapy, 2015, 23, 570-577.	8.2	164
16	Hematopoietic stem/progenitor cells, generation of induced pluripotent stem cells, and isolation of endothelial progenitors from 21- to 23.5-year cryopreserved cord blood. Blood, 2011, 117, 4773-4777.	1.4	155
17	Functional antigen-presenting leucocytes derived from human embryonic stem cells in vitro. Lancet, The, 2004, 364, 163-171.	13.7	153
18	The Phenotype of a Germline Mutation in PIGA: The Gene Somatically Mutated in Paroxysmal Nocturnal Hemoglobinuria. American Journal of Human Genetics, 2012, 90, 295-300.	6.2	146

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19	Lentiviral vectors with two independent internal promoters transfer high-level expression of multiple transgenes to human hematopoietic stem-progenitor cells. Molecular Therapy, 2003, 7, 827-838.	8.2	142
20	Generation of integration-free human induced pluripotent stem cells from postnatal blood mononuclear cells by plasmid vector expression. Nature Protocols, 2012, 7, 2013-2021.	12.0	142
21	Targeting transgene expression to antigen-presenting cells derived from lentivirus-transduced engrafting human hematopoietic stem/progenitor cells. Blood, 2002, 99, 399-408.	1.4	135
22	Roles of Reactive Oxygen Species in the Fate of Stem Cells. Antioxidants and Redox Signaling, 2014, 20, 1881-1890.	5.4	117
23	RUNX1a enhances hematopoietic lineage commitment from human embryonic stem cells and inducible pluripotent stem cells. Blood, 2013, 121, 2882-2890.	1.4	111
24	Notch Signaling Activation in Human Embryonic Stem Cells Is Required for Embryonic, but Not Trophoblastic, Lineage Commitment. Cell Stem Cell, 2008, 2, 461-471.	11.1	98
25	The High-Mobility Group A1a/Signal Transducer and Activator of Transcription-3 Axis: An Achilles Heel for Hematopoietic Malignancies?. Cancer Research, 2008, 68, 10121-10127.	0.9	94
26	Modified Ham test for atypical hemolytic uremic syndrome. Blood, 2015, 125, 3637-3646.	1.4	88
27	Reprogramming of EBV-immortalized B-lymphocyte cell lines into induced pluripotent stem cells. Blood, 2011, 118, 1801-1805.	1.4	84
28	Promoting human embryonic stem cell renewal or differentiation by modulating Wnt signal and culture conditions. Cell Research, 2007, 17, 62-72.	12.0	82
29	Electrophysiological Properties of Pluripotent Human and Mouse Embryonic Stem Cells. Stem Cells, 2005, 23, 1526-1534.	3.2	81
30	Covalent Modification of a Cysteine Residue in the XPB Subunit of the General Transcription Factor TFIIH Through Single Epoxide Cleavage of the Transcription Inhibitor Triptolide. Angewandte Chemie - International Edition, 2015, 54, 1859-1863.	13.8	73
31	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.	3.3	71
32	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.	3.3	64
33	Myocyte Enhancer Factor 2 Mediates Calcium-dependent Transcription of the Interleukin-2 Gene in T Lymphocytes. Journal of Biological Chemistry, 2004, 279, 14477-14480.	3.4	61
34	Inducible and Reversible Transgene Expression in Human Stem Cells After Efficient and Stable Gene Transfer. Stem Cells, 2007, 25, 779-789.	3.2	58
35	Liver engraftment potential of hepatic cells derived from patient-specific induced pluripotent stem cells. Cell Cycle, 2011, 10, 2423-2427.	2.6	57
36	Serial imaging of human embryonic stem-cell engraftment and teratoma formation in live mouse models. Cell Research, 2009, 19, 370-379.	12.0	52

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37	Targeting specificity of APOBEC-based cytosine base editor in human iPSCs determined by whole genome sequencing. Nature Communications, 2019, 10, 5353.	12.8	52
38	Trophoblast Differentiation Defect in Human Embryonic Stem Cells Lacking PIG-A and GPI-Anchored Cell-Surface Proteins. Cell Stem Cell, 2008, 2, 345-355.	11.1	50
39	Lentivirus-Mediated Gene Transfer and Expression in Established Human Tumor Antigen-Specific Cytotoxic T Cells and Primary Unstimulated T Cells. Human Gene Therapy, 2003, 14, 1089-1105.	2.7	46
40	Extensive Ex Vivo Expansion of Functional Human Erythroid Precursors Established From Umbilical Cord Blood Cells by Defined Factors. Molecular Therapy, 2014, 22, 451-463.	8.2	45
41	In vivo functional efficacy of tumor-specific T cells expanded using HLA-Ig based artificial antigen presenting cells (aAPC). Cancer Immunology, Immunotherapy, 2009, 58, 209-220.	4.2	43
42	Early Frameshift Mutation inPIGAIdentified in a Large XLID Family Without Neonatal Lethality. Human Mutation, 2014, 35, 350-355.	2.5	39
43	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.	3.2	36
44	FLT3/ITD expression increases expansion, survival and entry into cell cycle of human haematopoietic stem/progenitor cells. British Journal of Haematology, 2007, 137, 64-75.	2.5	34
45	Lentiviral Gene Transduction of Mouse and Human Stem Cells. Methods in Molecular Biology, 2008, 430, 243-253.	0.9	34
46	Gene correction in patient-specific iPSCs for therapy development and disease modeling. Human Genetics, 2016, 135, 1041-1058.	3.8	34
47	Efficient and Controlled Generation of 2D and 3D Bile Duct Tissue from Human Pluripotent Stem Cell-Derived Spheroids. Stem Cell Reviews and Reports, 2016, 12, 500-508.	5.6	32
48	Efficient Derivation and Genetic Modifications of Human Pluripotent Stem Cells on Engineered Human Feeder Cell Lines. Stem Cells and Development, 2012, 21, 2298-2311.	2.1	29
49	Biliary Atresia Relevant Human Induced Pluripotent Stem Cells Recapitulate Key Disease Features in a Dish. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 56-63.	1.8	25
50	How Reproducible Is Bioluminescent Imaging of Tumor Cell Growth? Single Time Point versus the Dynamic Measurement Approach. Molecular Imaging, 2007, 6, 7290.2007.00031.	1.4	22
51	Molecular Imaging and Stem Cell Research. Molecular Imaging, 2011, 10, 7290.2010.00046.	1.4	19
52	Generation of Glycosylphosphatidylinositol Anchor Protein-Deficient Blood Cells From Human Induced Pluripotent Stem Cells. Stem Cells Translational Medicine, 2013, 2, 819-829.	3.3	18
53	An Improved Method for Generating and Identifying Human Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2010, 636, 191-205.	0.9	16
54	Promise and challenges of human iPSC-based hematologic disease modeling and treatment. International Journal of Hematology, 2012, 95, 601-609.	1.6	14

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55	Molecular imaging and stem cell research. Molecular Imaging, 2011, 10, 111-22.	1.4	14
56	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.	2.5	13
57	Potential of human induced pluripotent stem cells derived from blood and other postnatal cell types. Regenerative Medicine, 2010, 5, 521-530.	1.7	12
58	Hematopoietic cells as sources for patient-specific iPSCs and disease modeling. Cell Cycle, 2011, 10, 2840-2844.	2.6	9
59	Transient c-Src Suppression During Endodermal Commitment of Human Induced Pluripotent Stem Cells Results in Abnormal Profibrotic Cholangiocyte-Like Cells. Stem Cells, 2019, 37, 306-317.	3.2	9
60	Generation and Homing of iPSC-Derived Hematopoietic Cells In Vivo. Molecular Therapy, 2013, 21, 1292-1293.	8.2	7
61	Genome editing systems in novel therapies. Discovery Medicine, 2016, 21, 57-64.	0.5	7
62	Genome Editing in Human Pluripotent Stem Cells. Cold Spring Harbor Protocols, 2016, 2016, pdb.top086819.	0.3	5
63	Convergence of human pluripotent stem cell, organoid, and genome editing technologies. Experimental Biology and Medicine, 2021, 246, 861-875.	2.4	5
64	Derivation of a disease-specific human induced pluripotent stem cell line from a biliary atresia patient. Stem Cell Research, 2017, 24, 25-28.	0.7	4
65	Efficient Production of Human Hematopoietic Progenitors from Human Pluripotent Stem Cells Using Chemically Defined Media without Serum or Feeder Cells. Blood, 2008, 112, 2463-2463.	1.4	4
66	Reply:. Hepatology, 2010, 52, 1169-1170.	7.3	3
67	Generation of human iPSCs from an essential thrombocythemia patient carrying a V501L mutation in the MPL gene. Stem Cell Research, 2017, 18, 57-59.	0.7	3
68	Human-relevant preclinical in vitro models for studying hepatobiliary development and liver diseases using induced pluripotent stem cells. Experimental Biology and Medicine, 2019, 244, 702-708.	2.4	2
69	A Method for Genome Editing in Human Pluripotent Stem Cells. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot090217.	0.3	1
70	The HMGA1a-STAT3 axis: an â€œAchilles Heelâ€•for Hematopoietic Malignancies Overexpressing HMGA1a?. Blood, 2008, 112, 3810-3810.	1.4	1
71	Human IPS Cells Generated From Adult Peripheral Blood Cells and Purified CD34+ Cells by a Non-Integrating Plasmid.. Blood, 2010, 116, 1589-1589.	1.4	1
72	Generation, Characterization and Genetic Modification of Human iPSCs Containing Calr, MPL and JAK2 Mutations Found in MPN Patients. Blood, 2016, 128, 3139-3139.	1.4	1

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73	Response: the role of RUNX1 isoforms in hematopoietic commitment of human pluripotent stem cells. Blood, 2013, 121, 5252-5253.	1.4	0
74	FLT3/ITD Expression Increases Expansion, Survival and Entry into Cell Cycle of Human Hematopoietic Stem Cells.. Blood, 2004, 104, 484-484.	1.4	0
75	Developmental Potentials of Human Embryonic Stem Cells Lacking PIG-A and GPI-Anchored Proteins.. Blood, 2006, 108, 1314-1314.	1.4	0
76	Distinct Induced Pluripotent Stem Cell Clones with Somatic Mutations Prepared From PV Patients. Blood, 2011, 118, 2826-2826.	1.4	0
77	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.	1.4	0
78	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.	1.4	0
79	Genome Editing in Human Pluripotent Stem Cells. Pancreatic Islet Biology, 2016, , 43-67.	0.3	0
80	Making lentiviral vectors more powerful and universal. Discovery Medicine, 2003, 3, 48-9.	0.5	0