# Jizhong Zou

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7670073/publications.pdf

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| 72 | 3,865 | 304368 22 | 128067 60 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 75 | 75 | 75 | 6592 |
|---|---|---|---|
| all docs | docs citations | times ranked | 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. | 5.2 | 505 |
| 2 | Synaptic dysregulation in a human iPS cell model of mental disorders. Nature, 2014, 515, 414-418. | 13.7 | 471 |
| 3 | 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. | 1.4 | 385 |
| 4 | Interactome Maps of Mouse Gene Regulatory Domains Reveal Basic Principles of Transcriptional Regulation. Cell, 2013, 155, 1507-1520. | 13.5 | 299 |
| 5 | 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 |
| 6 | 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 |
| 7 | Oxidase-deficient neutrophils from X-linked chronic granulomatous disease iPS cells: functional correction by zinc finger nucleaseâ€“mediated safe harbor targeting. Blood, 2011, 117, 5561-5572. | 0.6 | 232 |
| 8 | Transcriptome Dynamics of Developing Photoreceptors in Three-Dimensional Retina Cultures Recapitulates Temporal Sequence of Human Cone and Rod Differentiation Revealing Cell Surface Markers and Gene Networks. Stem Cells, 2015, 33, 3504-3518. | 1.4 | 153 |
| 9 | Eradication of B-ALL using chimeric antigen receptorâ€“expressing T cells targeting the TSLPR oncoprotein. Blood, 2015, 126, 629-639. | 0.6 | 110 |
| 10 | Notch Signaling Activation in Human Embryonic Stem Cells Is Required for Embryonic, but Not Trophoblastic, Lineage Commitment. Cell Stem Cell, 2008, 2, 461-471. | 5.2 | 98 |
| 11 | Transcription Activator-Like Effector Nuclease (TALEN)-Mediated CLYBL Targeting Enables Enhanced Transgene Expression and One-Step Generation of Dual Reporter Human Induced Pluripotent Stem Cell (iPSC) and Neural Stem Cell (NSC) Lines. PLoS ONE, 2015, 10, e0116032. | 1.1 | 84 |
| 12 | Stable Enhanced Green Fluorescent Protein Expression After Differentiation and Transplantation of Reporter Human Induced Pluripotent Stem Cells Generated by AAVS1 Transcription Activator-Like Effector Nucleases. Stem Cells Translational Medicine, 2014, 3, 821-835. | 1.6 | 67 |
| 13 | Roles of H3K27me2 and H3K27me3 Examined during Fate Specification of Embryonic Stem Cells. Cell Reports, 2016, 17, 1369-1382. | 2.9 | 66 |
| 14 | An AAVS1-Targeted Minigene Platform for Correction of iPSCs From All Five Types of Chronic Granulomatous Disease. Molecular Therapy, 2015, 23, 147-157. | 3.7 | 63 |
| 15 | Heparin Promotes Cardiac Differentiation of Human Pluripotent Stem Cells in Chemically Defined Albumin-Free Medium, Enabling Consistent Manufacture of Cardiomyocytes. Stem Cells Translational Medicine, 2017, 6, 527-538. | 1.6 | 59 |
| 16 | Transcriptional Programming of Human Mechanosensory Neuron Subtypes from Pluripotent Stem Cells. Cell Reports, 2020, 30, 932-946.e7. | 2.9 | 57 |
| 17 | p53 prevents doxorubicin cardiotoxicity independently of its prototypical tumor suppressor activities. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19626-19634. | 3.3 | 55 |
| 18 | A critical role of RBM8a in proliferation and differentiation of embryonic neural progenitors. Neural Development, 2015, 10, 18. | 1.1 | 52 |

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|---|---|---|---|
| 19 | Trophoblast Differentiation Defect in Human Embryonic Stem Cells Lacking PIG-A and GPI-Anchored Cell-Surface Proteins. Cell Stem Cell, 2008, 2, 345-355. | 5.2 | 50 |
| 20 | Targeted Repair of CYBB in X-CGD iPSCs Requires Retention of Intronic Sequences for Expression and Functional Correction. Molecular Therapy, 2017, 25, 321-330. | 3.7 | 45 |
| 21 | Treatment Paradigms for Retinal and Macular Diseases Using 3-D Retina Cultures Derived From Human Reporter Pluripotent Stem Cell Lines. , 2016, 57, ORSFl1. | | 35 |
| 22 | Neural stem cells for disease modeling and evaluation of therapeutics for Tay-Sachs disease. Orphanet Journal of Rare Diseases, 2018, 13, 152. | 1.2 | 34 |
| 23 | Parkin regulation of CHOP modulates susceptibility to cardiac endoplasmic reticulum stress. Scientific Reports, 2017, 7, 2093. | 1.6 | 31 |
| 24 | Rhesus iPSC Safe Harbor Gene-Editing Platform for Stable Expression of Transgenes in Differentiated Cells of All Germ Layers. Molecular Therapy, 2017, 25, 44-53. | 3.7 | 26 |
| 25 | GATA2 deficiency and human hematopoietic development modeled using induced pluripotent stem cells. Blood Advances, 2018, 2, 3553-3565. | 2.5 | 25 |
| 26 | Robust generation of erythroid and multilineage hematopoietic progenitors from human iPSCs using a scalable monolayer culture system. Stem Cell Research, 2019, 41, 101600. | 0.3 | 23 |
| 27 | Efficient differentiation of cardiomyocytes and generation of calcium-sensor reporter lines from nonhuman primate iPSCs. Scientific Reports, 2018, 8, 5907. | 1.6 | 21 |
| 28 | Generation of Glycosylphosphatidylinositol Anchor Protein-Deficient Blood Cells From Human Induced Pluripotent Stem Cells. Stem Cells Translational Medicine, 2013, 2, 819-829. | 1.6 | 18 |
| 29 | Generation of GFP Reporter Human Induced Pluripotent Stem Cells Using AAVS1 Safe Harbor Transcription Activatorâ€Like Effector Nuclease. Current Protocols in Stem Cell Biology, 2014, 29, 5A.7.1-18. | 3.0 | 18 |
| 30 | Neural stem cells for disease modeling of Wolman disease and evaluation of therapeutics. Orphanet Journal of Rare Diseases, 2017, 12, 120. | 1.2 | 18 |
| 31 | Biallelic correction of sickle cell diseaseâ€derived induced pluripotent stem cells (iPSCs) confirmed at the protein level through serumâ€free iPSâ€sac/erythroid differentiation. Stem Cells Translational Medicine, 2020, 9, 590-602. | 1.6 | 17 |
| 32 | Differentiation of Cardiomyocytes from Human Pluripotent Stem Cells in Fully Chemically Defined Conditions. STAR Protocols, 2020, 1, 100015. | 0.5 | 15 |
| 33 | Modeling CNS Involvement in Pompe Disease Using Neural Stem Cells Generated from Patient-Derived Induced Pluripotent Stem Cells. Cells, 2021, 10, 8. | 1.8 | 13 |
| 34 | Sympathetic Neurons Regulate Cardiomyocyte Maturation in Culture. Frontiers in Cell and Developmental Biology, 2022, 10, 850645. | 1.8 | 12 |
| 35 | The Role of Nonhuman Primate Animal Models in the Clinical Development of Pluripotent Stem Cell Therapies. Molecular Therapy, 2016, 24, 1165-1169. | 3.7 | 11 |
| 36 | Segment-specific regulation of the Drosophila AP-2 gene during leg and antennal development. Developmental Biology, 2011, 355, 336-348. | 0.9 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | An induced pluripotent stem cell line (TRNDi009-C) from a Niemann-Pick disease type A patient carrying a heterozygous p.L302P (c.905 T>C) mutation in the SMPD1 gene. Stem Cell Research, 2019, 38, 101461. | 0.3 | 10 |
| 38 | Generation of an induced pluripotent stem cell line (TRNDi003-A) from a Noonan syndrome with multiple lentigines (NSML) patient carrying a p.Q510P mutation in the PTPN11 gene. Stem Cell Research, 2019, 34, 101374. | 0.3 | 10 |
| 39 | CRISPR/Cas9-mediated introduction of the sodium/iodide symporter gene enables noninvasive inâ€‰vivo tracking of induced pluripotent stem cell-derived cardiomyocytes. Stem Cells Translational Medicine, 2020, 9, 1203-1217. | 1.6 | 10 |
| 40 | The ribosomal prolyl-hydroxylase OGFOD1 decreases during cardiac differentiation and modulates translation and splicing. JCI Insight, 2019, 4, . | 2.3 | 10 |
| 41 | A human induced pluripotent stem cell line (TRNDi007-B) from an infantile onset Pompe patient carrying p.R854X mutation in the GAA gene. Stem Cell Research, 2019, 37, 101435. | 0.3 | 9 |
| 42 | Transfection, Selection, and Colony-picking of Human Induced Pluripotent Stem Cells TALEN-targeted with a GFP Gene into the AAVS1 Safe Harbor. Journal of Visualized Experiments, 2015, , . | 0.2 | 8 |
| 43 | Generation of an induced pluripotent stem cell line (TRNDi002-B) from a patient carrying compound heterozygous p.Q208X and p.G310G mutations in the NGLY1 gene. Stem Cell Research, 2019, 34, 101362. | 0.3 | 7 |
| 44 | CRISPR/Cas9â€Based Safeâ€Harbor Gene Editing in Rhesus iPSCs. Current Protocols in Stem Cell Biology, 2017, 43, 5A.11.1-5A.11.14. | 3.0 | 6 |
| 45 | Double knockouts in human embryonic stem cells. Cell Research, 2010, 20, 250-252. | 5.7 | 5 |
| 46 | Generation of an induced pluripotent stem cell line (TRNDi008-A) from a Hunter syndrome patient carrying a hemizygous 208insC mutation in the IDS gene. Stem Cell Research, 2019, 37, 101451. | 0.3 | 5 |
| 47 | Generation of an induced pluripotent stem cell line (TRNDi005-A) from a Mucopolysaccharidosis Type IVA (MPS IVA) patient carrying compound heterozygous p.R61W and p.WT405del mutations in the GALNS gene. Stem Cell Research, 2019, 36, 101408. | 0.3 | 5 |
| 48 | iPS-derived neural stem cells for disease modeling and evaluation of therapeutics for mucopolysaccharidosis type II. Experimental Cell Research, 2022, 412, 113007. | 1.2 | 5 |
| 49 | An induced pluripotent stem cell line (TRNDi006-A) from a MPS IIIB patient carrying homozygous mutation of p.Glu153Lys in the NAGLU gene. Stem Cell Research, 2019, 37, 101427. | 0.3 | 4 |
| 50 | Generation of two tdTomato reporter induced pluripotent stem cell lines (NHLBIi003-A-1 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 | 0.3 | 4 |
| 51 | An induced pluripotent stem cell line (TRNDi001-D) from a Niemann-Pick disease type C1 (NPC1) patient carrying a homozygous p. I1061T (c. 3182T>C) mutation in the NPC1 gene. Stem Cell Research, 2020, 44, 101737. | 0.3 | 4 |
| 52 | Eltrombopag Improves Erythroid Differentiation in a Human iPSC Model of Diamond Blackfan Anemia. Blood, 2019, 134, 1214-1214. | 0.6 | 4 |
| 53 | Generation of an induced pluripotent stem cell line (TRNDi004-I) from a Niemann-Pick disease type B patient carrying a heterozygous mutation of p.L43_A44delLA in the SMPD1 gene. Stem Cell Research, 2019, 37, 101436. | 0.3 | 3 |
| 54 | Assessment of mitophagy in human iPSC-derived cardiomyocytes. Autophagy, 2022, 18, 2481-2494. | 4.3 | 3 |

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|---|---|---|---|
| 55 | An induced pluripotent stem cell line (TRNDi010-C) from a patient carrying a homozygous p.R401X mutation in the NGLY1 gene. Stem Cell Research, 2019, 39, 101496. | 0.3 | 2 |
| 56 | Four induced pluripotent stem cell lines (TRNDi021-C, TRNDi023-D, TRNDi024-D and TRNDi025-A) generated from fibroblasts of four healthy individuals. Stem Cell Research, 2020, 49, 102011. | 0.3 | 2 |
| 57 | Generation of an induced pluripotent stem cell line (TRNDi030-A) from a patient with Farber disease carrying a homozygous p. Y36C (c. 107 A>G) mutation in ASAH1. Stem Cell Research, 2021, 53, 102387. | 0.3 | 2 |
| 58 | Generation of Alagille syndrome derived induced pluripotent stem cell line carrying heterozygous mutation in the JAGGED-1 gene at splicing site (Chr20: 10,629,709C>A) before exon 11. Stem Cell Research, 2021, 53, 102366. | 0.3 | 2 |
| 59 | Generation of two induced pluripotent stem cell lines (NHLBIi001-A and NHLBIi001-B) from a healthy Caucasian female volunteer with normal cardiac function. Stem Cell Research, 2019, 41, 101627. | 0.3 | 1 |
| 60 | Generation of human induced pluripotent stem cells (NIHTVBi004-A, NIHTVBi005-A, NIHTVBi006-A,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 45, 101821. | 0.3 | 1 |
| 61 | Generation of two gene corrected human isogenic iPSC lines (NCATS-CL6104 and NCATS-CL6105) from a patient line (NCATS-CL6103) carrying a homozygous p.R401X mutation in the NGLY1 gene using CRISPR/Cas9. Stem Cell Research, 2021, 56, 102554. | 0.3 | 1 |
| 62 | Generation of Fanconi Anemia iPSC Clones By Addition of a Small Molecule Inhibitor of p53 during Reprogramming. Blood, 2018, 132, 3857-3857. | 0.6 | 1 |
| 63 | 57. Seamless Targeted Correction of CYBB Exon 5 Mutations Restores Granulocyte Function in X-Linked Chronic Granulomatous Disease iPSCs. Molecular Therapy, 2015, 23, S25. | 3.7 | 0 |
| 64 | Selectable Markers for Gene Therapy. , 2015, , 701-740. | | 0 |
| 65 | 527. Improvement of Pre-Clinical Non-Human Primate Model for Pluripotent Stem Cell Based Therapies by Introducing Marker Genes in Safe Harbor Locus. Molecular Therapy, 2016, 24, S210-S211. | 3.7 | 0 |
| 66 | Generation of an induced pluripotent stem cell line (TRNDi012-B) from Fibrodysplasia Ossificans Progressiva (FOP) patient carrying a heterozygous mutation c. 617GÂ>ÂA in the ACVR1 gene. Stem Cell Research, 2021, 54, 102424. | 0.3 | 0 |
| 67 | An induced pluripotent stem cell line (NCATS-CL9075) from a patient carrying compound heterozygote mutations, p.R390P and p.L318P, in the NGLY1 gene. Stem Cell Research, 2021, 54, 102400. | 0.3 | 0 |
| 68 | Generation of GPI Anchor Deficient Blood Cells From Human iPSCs.. Blood, 2012, 120, 2358-2358. | 0.6 | 0 |
| 69 | A Platform Minigene AAVS1 Targeted Safe Harbor Approach For Genetic Correction Of iPSC Derived From Patients With Each Of The 5 Genetic Forms Of Chronic Granulomatous Disease. Blood, 2013, 122, 1024-1024. | 0.6 | 0 |
| 70 | 25: INDUCED PLURIPOTENT STEM CELLS AND GENE TARGETING FOR REGENERATIVE MEDICINE. ICP Textbooks in Biomolecular Sciences, 2014, , 477-490. | 0.1 | 0 |
| 71 | Single Cell Transcriptome Analysis of GATA2 Deficiency in Hematopoiesis Modeled with Induced Pluripotent Stem Cells. Blood, 2018, 132, 5087-5087. | 0.6 | 0 |
| 72 | INDUCED PLURIPOTENT STEM CELLS AND GENE TARGETING FOR REGENERATIVE MEDICINE. , 2019, , 549-562. | | 0 |