

Yuin-Han Loh

List of Publications by Year in descending order

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61
papers

16,541
citations

126858

33
h-index

128225

60
g-index

66
all docs

66
docs citations

66
times ranked

20403
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Reprogramming to Pluripotency and Directed Differentiation of Human Cells with Synthetic Modified mRNA. <i>Cell Stem Cell</i> , 2010, 7, 618-630.	5.2	2,368
2	Integration of External Signaling Pathways with the Core Transcriptional Network in Embryonic Stem Cells. <i>Cell</i> , 2008, 133, 1106-1117.	13.5	2,279
3	The Oct4 and Nanog transcription network regulates pluripotency in mouse embryonic stem cells. <i>Nature Genetics</i> , 2006, 38, 431-440.	9.4	2,162
4	Somatic coding mutations in human induced pluripotent stem cells. <i>Nature</i> , 2011, 471, 63-67.	13.7	1,147
5	Transcriptional Regulation of Nanog by OCT4 and SOX2. <i>Journal of Biological Chemistry</i> , 2005, 280, 24731-24737.	1.6	942
6	Large intergenic non-coding RNA-RoR modulates reprogramming of human induced pluripotent stem cells. <i>Nature Genetics</i> , 2010, 42, 1113-1117.	9.4	902
7	A core Klf circuitry regulates self-renewal of embryonic stem cells. <i>Nature Cell Biology</i> , 2008, 10, 353-360.	4.6	678
8	Reciprocal Transcriptional Regulation of Pou5f1 and Sox2 via the Oct4/Sox2 Complex in Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2005, 25, 6031-6046.	1.1	599
9	Generation of induced pluripotent stem cells from human blood. <i>Blood</i> , 2009, 113, 5476-5479.	0.6	559
10	Donor cell type can influence the epigenome and differentiation potential of human induced pluripotent stem cells. <i>Nature Biotechnology</i> , 2011, 29, 1117-1119.	9.4	547
11	Jmjd1a and Jmjd2c histone H3 Lys 9 demethylases regulate self-renewal in embryonic stem cells. <i>Genes and Development</i> , 2007, 21, 2545-2557.	2.7	447
12	Live cell imaging distinguishes bona fide human iPS cells from partially reprogrammed cells. <i>Nature Biotechnology</i> , 2009, 27, 1033-1037.	9.4	445
13	Reprogramming of fibroblasts into induced pluripotent stem cells with orphan nuclear receptor Esrrb. <i>Nature Cell Biology</i> , 2009, 11, 197-203.	4.6	428
14	Telomere elongation in induced pluripotent stem cells from dyskeratosis congenita patients. <i>Nature</i> , 2010, 464, 292-296.	13.7	302
15	Reprogramming of T Cells from Human Peripheral Blood. <i>Cell Stem Cell</i> , 2010, 7, 15-19.	5.2	288
16	LIN28 Regulates Stem Cell Metabolism and Conversion to Primed Pluripotency. <i>Cell Stem Cell</i> , 2016, 19, 66-80.	5.2	278
17	Sall4 Interacts with Nanog and Co-occupies Nanog Genomic Sites in Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 24090-24094.	1.6	253
18	Eset partners with Oct4 to restrict extraembryonic trophoblast lineage potential in embryonic stem cells. <i>Genes and Development</i> , 2009, 23, 2507-2520.	2.7	218

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19	Systematic Identification of Factors for Provirus Silencing in Embryonic Stem Cells. <i>Cell</i> , 2015, 163, 230-245.	13.5	162
20	Single-cell multimodal profiling reveals cellular epigenetic heterogeneity. <i>Nature Methods</i> , 2016, 13, 833-836.	9.0	158
21	Zic3 Is Required for Maintenance of Pluripotency in Embryonic Stem Cells. <i>Molecular Biology of the Cell</i> , 2007, 18, 1348-1358.	0.9	121
22	Telomerase reverse transcriptase promotes cancer cell proliferation by augmenting tRNA expression. <i>Journal of Clinical Investigation</i> , 2016, 126, 4045-4060.	3.9	109
23	Transposable elements are regulated by context-specific patterns of chromatin marks in mouse embryonic stem cells. <i>Nature Communications</i> , 2019, 10, 34.	5.8	104
24	Alternative Splicing of MBD2 Supports Self-Renewal in Human Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2014, 15, 92-101.	5.2	93
25	Accessing naïve human pluripotency. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 272-282.	1.5	92
26	Functional vascular smooth muscle cells derived from human induced pluripotent stem cells via mesenchymal stem cell intermediates. <i>Cardiovascular Research</i> , 2012, 96, 391-400.	1.8	77
27	Molecular framework underlying pluripotency. <i>Cell Cycle</i> , 2008, 7, 885-891.	1.3	55
28	Parallel bimodal single-cell sequencing of transcriptome and chromatin accessibility. <i>Genome Research</i> , 2020, 30, 1027-1039.	2.4	52
29	Global H3.3 dynamic deposition defines its bimodal role in cell fate transition. <i>Nature Communications</i> , 2018, 9, 1537.	5.8	49
30	Multi-species single-cell transcriptomic analysis of ocular compartment regulons. <i>Nature Communications</i> , 2021, 12, 5675.	5.8	48
31	RNAi Reveals Phase-Specific Global Regulators of Human Somatic Cell Reprogramming. <i>Cell Reports</i> , 2016, 15, 2597-2607.	2.9	47
32	Human Finger-Prick Induced Pluripotent Stem Cells Facilitate the Development of Stem Cell Banking. <i>Stem Cells Translational Medicine</i> , 2014, 3, 586-598.	1.6	41
33	Euchromatin islands in large heterochromatin domains are enriched for CTCF binding and differentially DNA-methylated regions. <i>BMC Genomics</i> , 2012, 13, 566.	1.2	40
34	PRDM15 safeguards naive pluripotency by transcriptionally regulating WNT and MAPK/ERK signaling. <i>Nature Genetics</i> , 2017, 49, 1354-1363.	9.4	39
35	Diversification of reprogramming trajectories revealed by parallel single-cell transcriptome and chromatin accessibility sequencing. <i>Science Advances</i> , 2020, 6, .	4.7	37
36	Gene Networks of Fully Connected Triads with Complete Auto-Activation Enable Multistability and Stepwise Stochastic Transitions. <i>PLoS ONE</i> , 2014, 9, e102873.	1.1	35

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37	Genomic Approaches to Deconstruct Pluripotency. <i>Annual Review of Genomics and Human Genetics</i> , 2011, 12, 165-185.	2.5	33
38	RING1B O-GlcNAcylation regulates gene targeting of polycomb repressive complex 1 in human embryonic stem cells. <i>Stem Cell Research</i> , 2015, 15, 182-189.	0.3	28
39	Review: In vitro generation of red blood cells for transfusion medicine: Progress, prospects and challenges. <i>Biotechnology Advances</i> , 2018, 36, 2118-2128.	6.0	28
40	Reprogramming mouse fibroblasts into engraftable myeloerythroid and lymphoid progenitors. <i>Nature Communications</i> , 2016, 7, 13396.	5.8	22
41	Zfp322a Regulates Mouse ES Cell Pluripotency and Enhances Reprogramming Efficiency. <i>PLoS Genetics</i> , 2014, 10, e1004038.	1.5	21
42	Transcriptional and epigenetic regulations of embryonic stem cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 647, 52-58.	0.4	20
43	Induced Pluripotency and Gene Editing in Disease Modelling: Perspectives and Challenges. <i>International Journal of Molecular Sciences</i> , 2015, 16, 28614-28634.	1.8	19
44	Unraveling Heterogeneity in Transcriptome and Its Regulation Through Single-Cell Multi-Omics Technologies. <i>Frontiers in Genetics</i> , 2020, 11, 662.	1.1	18
45	Ascorbate and Iron Are Required for the Specification and Long-Term Self-Renewal of Human Skeletal Mesenchymal Stromal Cells. <i>Stem Cell Reports</i> , 2020, 14, 210-225.	2.3	17
46	Excision of a Viral Reprogramming Cassette by Delivery of Synthetic Cre mRNA. <i>Current Protocols in Stem Cell Biology</i> , 2012, 21, Unit4A.5.	3.0	17
47	Cops2 promotes pluripotency maintenance by Stabilizing Nanog Protein and Repressing Transcription. <i>Scientific Reports</i> , 2016, 6, 26804.	1.6	16
48	Superior Red Blood Cell Generation from Human Pluripotent Stem Cells Through a Novel Microcarrier-Based Embryoid Body Platform. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 765-780.	1.1	14
49	Regulation of ERVs in pluripotent stem cells and reprogramming. <i>Current Opinion in Genetics and Development</i> , 2017, 46, 194-201.	1.5	13
50	Defined Serum-Free Medium for Bioreactor Culture of an Immortalized Human Erythroblast Cell Line. <i>Biotechnology Journal</i> , 2018, 13, e1700567.	1.8	13
51	Cellular Reprogramming: A New Technology Frontier in Pharmaceutical Research. <i>Pharmaceutical Research</i> , 2012, 29, 35-52.	1.7	10
52	Improved erythroid differentiation of multiple human pluripotent stem cell lines in microcarrier culture by modulation of Wnt/ β -Catenin signaling. <i>Haematologica</i> , 2018, 103, e279-e283.	1.7	9
53	SETDB1 acts as a topological accessory to Cohesin via an H3K9me3-independent, genomic shunt for regulating cell fates. <i>Nucleic Acids Research</i> , 2022, 50, 7326-7349.	6.5	8
54	Defining Essential Enhancers for Pluripotent Stem Cells Using a Features-Oriented CRISPR-Cas9 Screen. <i>Cell Reports</i> , 2020, 33, 108309.	2.9	6

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55	Reproductive medicine gets a new tool. <i>Journal of Molecular Cell Biology</i> , 2011, 3, 320-321.	1.5	5
56	Chromatin Regulation in Development: Current Understanding and Approaches. <i>Stem Cells International</i> , 2021, 2021, 1-12.	1.2	5
57	Derivation of Transgene-Free Induced Pluripotent Stem Cells from a Single Drop of Blood. , 2016, 38, 4A.9.1-4A.9.10.		4
58	Novel live cell fluorescent probe for human-induced pluripotent stem cells highlights early reprogramming population. <i>Stem Cell Research and Therapy</i> , 2021, 12, 113.	2.4	4
59	Re-entering the pluripotent state from blood lineage: promises and pitfalls of blood reprogramming. <i>FEBS Letters</i> , 2019, 593, 3244-3252.	1.3	2
60	Telomere Elongation in Dyskeratosis Congenita Induced Pluripotent Stem Cells.. <i>Blood</i> , 2009, 114, 497-497.	0.6	1
61	H3.3 safeguards haematopoietic ERV-equilibrium. <i>Nature Cell Biology</i> , 2022, 24, 7-9.	4.6	0