

# Yuin-Han Loh

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60 papers	14,013 citations	31 h-index	66 g-index
66 ext. papers	15,489 ext. citations	14.6 avg, IF	5.46 L-index

#	Paper	IF	Citations
60	Highly efficient reprogramming to pluripotency and directed differentiation of human cells with synthetic modified mRNA. <i>Cell Stem Cell</i> , <b>2010</b> , 7, 618-30	18	2025
59	Integration of external signaling pathways with the core transcriptional network in embryonic stem cells. <i>Cell</i> , <b>2008</b> , 133, 1106-17	56.2	1978
58	The Oct4 and Nanog transcription network regulates pluripotency in mouse embryonic stem cells. <i>Nature Genetics</i> , <b>2006</b> , 38, 431-40	36.3	1920
57	Somatic coding mutations in human induced pluripotent stem cells. <i>Nature</i> , <b>2011</b> , 471, 63-7	50.4	998
56	Transcriptional regulation of nanog by OCT4 and SOX2. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 24731-4	15.4	794
55	Large intergenic non-coding RNA-RoR modulates reprogramming of human induced pluripotent stem cells. <i>Nature Genetics</i> , <b>2010</b> , 42, 1113-7	36.3	773
54	A core Klf circuitry regulates self-renewal of embryonic stem cells. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 353-60	23.4	594
53	Reciprocal transcriptional regulation of Pou5f1 and Sox2 via the Oct4/Sox2 complex in embryonic stem cells. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 6031-46	4.8	541
52	Generation of induced pluripotent stem cells from human blood. <i>Blood</i> , <b>2009</b> , 113, 5476-9	2.2	492
51	Donor cell type can influence the epigenome and differentiation potential of human induced pluripotent stem cells. <i>Nature Biotechnology</i> , <b>2011</b> , 29, 1117-9	44.5	443
50	Live cell imaging distinguishes bona fide human iPS cells from partially reprogrammed cells. <i>Nature Biotechnology</i> , <b>2009</b> , 27, 1033-7	44.5	404
49	Jmjd1a and Jmjd2c histone H3 Lys 9 demethylases regulate self-renewal in embryonic stem cells. <i>Genes and Development</i> , <b>2007</b> , 21, 2545-57	12.6	387
48	Reprogramming of fibroblasts into induced pluripotent stem cells with orphan nuclear receptor Esrrb. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 197-203	23.4	374
47	Telomere elongation in induced pluripotent stem cells from dyskeratosis congenita patients. <i>Nature</i> , <b>2010</b> , 464, 292-6	50.4	260
46	Reprogramming of T cells from human peripheral blood. <i>Cell Stem Cell</i> , <b>2010</b> , 7, 15-9	18	251
45	Sall4 interacts with Nanog and co-occupies Nanog genomic sites in embryonic stem cells. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 24090-4	5.4	222
44	LIN28 Regulates Stem Cell Metabolism and Conversion to Primed Pluripotency. <i>Cell Stem Cell</i> , <b>2016</b> , 19, 66-80	18	192

43	Eset partners with Oct4 to restrict extraembryonic trophoblast lineage potential in embryonic stem cells. <i>Genes and Development</i> , <b>2009</b> , 23, 2507-20	12.6	185
42	Systematic identification of factors for provirus silencing in embryonic stem cells. <i>Cell</i> , <b>2015</b> , 163, 230-45	56.2	117
41	Zic3 is required for maintenance of pluripotency in embryonic stem cells. <i>Molecular Biology of the Cell</i> , <b>2007</b> , 18, 1348-58	3.5	105
40	Single-cell multimodal profiling reveals cellular epigenetic heterogeneity. <i>Nature Methods</i> , <b>2016</b> , 13, 833-6	21.6	97
39	Telomerase reverse transcriptase promotes cancer cell proliferation by augmenting tRNA expression. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 4045-4060	15.9	91
38	Assessing naïve human pluripotency. <i>Current Opinion in Genetics and Development</i> , <b>2012</b> , 22, 272-82	4.9	78
37	Alternative splicing of MBD2 supports self-renewal in human pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2014</b> , 15, 92-101	18	76
36	Functional vascular smooth muscle cells derived from human induced pluripotent stem cells via mesenchymal stem cell intermediates. <i>Cardiovascular Research</i> , <b>2012</b> , 96, 391-400	9.9	64
35	Transposable elements are regulated by context-specific patterns of chromatin marks in mouse embryonic stem cells. <i>Nature Communications</i> , <b>2019</b> , 10, 34	17.4	50
34	Molecular framework underlying pluripotency. <i>Cell Cycle</i> , <b>2008</b> , 7, 885-91	4.7	45
33	Human finger-prick induced pluripotent stem cells facilitate the development of stem cell banking. <i>Stem Cells Translational Medicine</i> , <b>2014</b> , 3, 586-98	6.9	36
32	Euchromatin islands in large heterochromatin domains are enriched for CTCF binding and differentially DNA-methylated regions. <i>BMC Genomics</i> , <b>2012</b> , 13, 566	4.5	33
31	RNAi Reveals Phase-Specific Global Regulators of Human Somatic Cell Reprogramming. <i>Cell Reports</i> , <b>2016</b> , 15, 2597-607	10.6	32
30	Genomic approaches to deconstruct pluripotency. <i>Annual Review of Genomics and Human Genetics</i> , <b>2011</b> , 12, 165-85	9.7	32
29	Gene networks of fully connected triads with complete auto-activation enable multistability and stepwise stochastic transitions. <i>PLoS ONE</i> , <b>2014</b> , 9, e102873	3.7	28
28	Global H3.3 dynamic deposition defines its bimodal role in cell fate transition. <i>Nature Communications</i> , <b>2018</b> , 9, 1537	17.4	27
27	PRDM15 safeguards naïve pluripotency by transcriptionally regulating WNT and MAPK-ERK signaling. <i>Nature Genetics</i> , <b>2017</b> , 49, 1354-1363	36.3	23
26	Parallel bimodal single-cell sequencing of transcriptome and chromatin accessibility. <i>Genome Research</i> , <b>2020</b> , 30, 1027-1039	9.7	22

25	RING1B O-GlcNAcylation regulates gene targeting of polycomb repressive complex 1 in human embryonic stem cells. <i>Stem Cell Research</i> , <b>2015</b> , 15, 182-9	1.6	20
24	Reprogramming mouse fibroblasts into engraftable myeloerythroid and lymphoid progenitors. <i>Nature Communications</i> , <b>2016</b> , 7, 13396	17.4	20
23	Induced Pluripotency and Gene Editing in Disease Modelling: Perspectives and Challenges. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 28614-34	6.3	17
22	Transcriptional and epigenetic regulations of embryonic stem cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2008</b> , 647, 52-8	3.3	17
21	Review: In vitro generation of red blood cells for transfusion medicine: Progress, prospects and challenges. <i>Biotechnology Advances</i> , <b>2018</b> , 36, 2118-2128	17.8	16
20	Excision of a viral reprogramming cassette by delivery of synthetic Cre mRNA. <i>Current Protocols in Stem Cell Biology</i> , <b>2012</b> , Chapter 4, Unit4A.5	2.8	16
19	Zfp322a Regulates mouse ES cell pluripotency and enhances reprogramming efficiency. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004038	6	15
18	Cops2 promotes pluripotency maintenance by Stabilizing Nanog Protein and Repressing Transcription. <i>Scientific Reports</i> , <b>2016</b> , 6, 26804	4.9	12
17	Diversification of reprogramming trajectories revealed by parallel single-cell transcriptome and chromatin accessibility sequencing. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	12
16	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> , <b>2016</b> , 22, 765-80	2.9	12
15	Cellular reprogramming: a new technology frontier in pharmaceutical research. <i>Pharmaceutical Research</i> , <b>2012</b> , 29, 35-52	4.5	9
14	Regulation of ERVs in pluripotent stem cells and reprogramming. <i>Current Opinion in Genetics and Development</i> , <b>2017</b> , 46, 194-201	4.9	8
13	Ascorbate and Iron Are Required for the Specification and Long-Term Self-Renewal of Human Skeletal Mesenchymal Stromal Cells. <i>Stem Cell Reports</i> , <b>2020</b> , 14, 210-225	8	8
12	Unraveling Heterogeneity in Transcriptome and Its Regulation Through Single-Cell Multi-Omics Technologies. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 662	4.5	8
11	Defined Serum-Free Medium for Bioreactor Culture of an Immortalized Human Erythroblast Cell Line. <i>Biotechnology Journal</i> , <b>2018</b> , 13, e1700567	5.6	6
10	Improved erythroid differentiation of multiple human pluripotent stem cell lines in microcarrier culture by modulation of Wnt/ECatenin signaling. <i>Haematologica</i> , <b>2018</b> , 103, e279-e283	6.6	5
9	Derivation of Transgene-Free Induced Pluripotent Stem Cells from a Single Drop of Blood. <i>Current Protocols in Stem Cell Biology</i> , <b>2016</b> , 38, 4A.9.1-4A.9.10	2.8	4
8	Parallel Bimodal Single-cell Sequencing of Transcriptome and Chromatin Accessibility		4

7	Multi-species single-cell transcriptomic analysis of ocular compartment regulons. <i>Nature Communications</i> , <b>2021</b> , 12, 5675	17.4	4
6	Defining Essential Enhancers for Pluripotent Stem Cells Using a Features-Oriented CRISPR-Cas9 Screen. <i>Cell Reports</i> , <b>2020</b> , 33, 108309	10.6	3
5	Chromatin Regulation in Development: Current Understanding and Approaches. <i>Stem Cells International</i> , <b>2021</b> , 2021, 8817581	5	2
4	Re-entering the pluripotent state from blood lineage: promises and pitfalls of blood reprogramming. <i>FEBS Letters</i> , <b>2019</b> , 593, 3244-3252	3.8	1
3	Reproductive medicine gets a new tool. <i>Journal of Molecular Cell Biology</i> , <b>2011</b> , 3, 320-1	6.3	1
2	Telomere Elongation in Dyskeratosis Congenita Induced Pluripotent Stem Cells.. <i>Blood</i> , <b>2009</b> , 114, 497-497	4.7	1
1	Novel live cell fluorescent probe for human-induced pluripotent stem cells highlights early reprogramming population. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 113	8.3	1