Lihong Shi

List of Publications by Year
in descending order

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31 papers	941 citations	516561 16 h-index	477173 29 g-index
33 all docs	33 docs citations	33 times ranked	1287 citing authors

#	Article	IF	Citations
1	Lysine-specific demethylase 1 is a therapeutic target for fetal hemoglobin induction. Nature Medicine, 2013, 19, 291-294.	15.2	147
2	Long non-coding RNA-dependent mechanism to regulate heme biosynthesis and erythrocyte development. Nature Communications, 2018, 9, 4386.	5.8	84
3	Decoding Human Megakaryocyte Development. Cell Stem Cell, 2021, 28, 535-549.e8.	5.2	79
4	Single-cell transcriptomic landscape of human blood cells. National Science Review, 2021, 8, nwaa180.	4.6	75
5	MEIS1 Regulates Hemogenic Endothelial Generation, Megakaryopoiesis, and Thrombopoiesis in Human Pluripotent Stem Cells by Targeting TAL1 and FLI1. Stem Cell Reports, 2018, 10, 447-460.	2.3	56
6	MSX2 Initiates and Accelerates Mesenchymal Stem/Stromal Cell Specification of hPSCs by Regulating TWIST1 and PRAME. Stem Cell Reports, 2018, 11, 497-513.	2.3	56
7	Developmental transcriptome analysis of human erythropoiesis. Human Molecular Genetics, 2014, 23, 4528-4542.	1.4	45
8	Forced TR2/TR4 expression in sickle cell disease mice confers enhanced fetal hemoglobin synthesis and alleviated disease phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18808-18813.	3.3	42
9	Hematopoietic Stem Cell Heterogeneity Is Linked to the Initiation and Therapeutic Response of Myeloproliferative Neoplasms. Cell Stem Cell, 2021, 28, 502-513.e6.	5.2	36
10	Single-cell transcriptomic analysis identifies an immune-prone population in erythroid precursors during human ontogenesis. Nature Immunology, 2022, 23, 1109-1120.	7.0	30
11	Intron 1 GATA site enhances ALAS2 expression indispensably during erythroid differentiation. Nucleic Acids Research, 2017, 45, 657-671.	6.5	29
12	MEIS2 regulates endothelial to hematopoietic transition of human embryonic stem cells by targeting TAL1. Stem Cell Research and Therapy, 2018, 9, 340.	2.4	29
13	Characterization of Cellular Heterogeneity and an Immune Subpopulation of Human Megakaryocytes. Advanced Science, 2021, 8, e2100921.	5.6	29
14	Single-cell transcriptomic analysis reveals disparate effector differentiation pathways in human Treg compartment. Nature Communications, 2021, 12, 3913.	5.8	27
15	Integrated Biophysical and Biochemical Signals Augment Megakaryopoiesis and Thrombopoiesis in a Three-Dimensional Rotary Culture System. Stem Cells Translational Medicine, 2016, 5, 175-185.	1.6	26
16	Genome-wide analysis of pseudogenes reveals HBBP1â€™s human-specific essentiality in erythropoiesis and implication in Î²-thalassemia. Developmental Cell, 2021, 56, 478-493.e11.	3.1	22
17	Compound loss of function of nuclear receptors Tr2 and Tr4 leads to induction of murine embryonic Î²-type globin genes. Blood, 2015, 125, 1477-1487.	0.6	20
18	Decoding the pathogenesis of Diamondâ€“Blackfan anemia using single-cell RNA-seq. Cell Discovery, 2022, 8, 41.	3.1	14

#	Article	IF	Citations
19	The orphan nuclear receptor TR4 regulates erythroid cell proliferation and maturation. Blood, 2017, 130, 2537-2547.	0.6	11
20	Receptor-mediated mitophagy regulates EPO production and protects against renal anemia. ELife, 2021, 10, .	2.8	11
21	<scp>MLF</scp>1<scp>IP</scp> promotes normal erythroid proliferation and is involved in the pathogenesis of polycythemia vera. FEBS Letters, 2017, 591, 760-773.	1.3	9
22	Multilevel defects in the hematopoietic niche in essential thrombocythemia. Haematologica, 2020, 105, 661-673.	1.7	9
23	LGR4, Not LGR5, Enhances hPSC Hematopoiesis by Facilitating Mesoderm Induction via TGF-Beta Signaling Activation. Cell Reports, 2020, 31, 107600.	2.9	9
24	A splicing factor switch controls hematopoietic lineage specification of pluripotent stem cells. EMBO Reports, 2021, 22, e50535.	2.0	9
25	Regulatory network inferred using expression data of small sample size: application and validation in erythroid system. Bioinformatics, 2015, 31, 2537-2544.	1.8	8
26	Long non-coding RNAs during normal erythropoiesis. Blood Science, 2019, 1, 137-140.	0.4	8
27	Biphasic Regulation of Mesenchymal Genes Controls Fate Switches During Hematopoietic Differentiation of Human Pluripotent Stem Cells. Advanced Science, 2020, 7, 2001019.	5.6	8
28	Biased, Non-equivalent Gene-Proximal and -Distal Binding Motifs of Orphan Nuclear Receptor TR4 in Primary Human Erythroid Cells. PLoS Genetics, 2014, 10, e1004339.	1.5	6
29	WDR82-binding long noncoding RNA lncEry controls mouse erythroid differentiation and maturation. Journal of Experimental Medicine, 2022, 219, .	4.2	4
30	Heat shock transcription factor 1 regulates the fetal Î³-globin expression in a stress-dependent and independent manner during erythroid differentiation. Experimental Cell Research, 2020, 387, 111780.	1.2	2
31	Severe ineffective erythropoiesis discriminates prognosis in myelodysplastic syndromes: analysis based on 776 patients from a single centre. Blood Cancer Journal, 2020, 10, 83.	2.8	1