

Li-Fang Chu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,481
citations

471371

17
h-index

642610

23
g-index

31
all docs

31
docs citations

31
times ranked

4381
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient genome engineering in human pluripotent stem cells using Cas9 from <i>Neisseria meningitidis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15644-15649.	3.3	612
2	Single-cell RNA-seq reveals novel regulators of human embryonic stem cell differentiation to definitive endoderm. Genome Biology, 2016, 17, 173.	3.8	354
3	SCnorm: robust normalization of single-cell RNA-seq data. Nature Methods, 2017, 14, 584-586.	9.0	275
4	A statistical approach for identifying differential distributions in single-cell RNA-seq experiments. Genome Biology, 2016, 17, 222.	3.8	227
5	Ronin Is Essential for Embryogenesis and the Pluripotency of Mouse Embryonic Stem Cells. Cell, 2008, 133, 1162-1174.	13.5	180
6	Oscope identifies oscillatory genes in unsynchronized single-cell RNA-seq experiments. Nature Methods, 2015, 12, 947-950.	9.0	171
7	Comparative RNA-seq Analysis in the Unsequenced Axolotl: The Oncogene Burst Highlights Early Gene Expression in the Blastema. PLoS Computational Biology, 2013, 9, e1002936.	1.5	125
8	Functional characterization of human pluripotent stem cell-derived arterial endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6072-E6078.	3.3	105
9	An In Vitro Human Segmentation Clock Model Derived from Embryonic Stem Cells. Cell Reports, 2019, 28, 2247-2255.e5.	2.9	57
10	A Novel Approach to Single Cell RNA-Sequence Analysis Facilitates In Silico Gene Reporting of Human Pluripotent Stem Cell-Derived Retinal Cell Types. Stem Cells, 2018, 36, 313-324.	1.4	54
11	Network inference with Granger causality ensembles on single-cell transcriptomics. Cell Reports, 2022, 38, 110333.	2.9	53
12	Blimp1 Expression Predicts Embryonic Stem Cell Development In Vitro. Current Biology, 2011, 21, 1759-1765.	1.8	43
13	Mouse Tmem135 mutation reveals a mechanism involving mitochondrial dynamics that leads to age-dependent retinal pathologies. Elife, 2016, 5, .	2.8	38
14	OEFinder: a user interface to identify and visualize ordering effects in single-cell RNA-seq data. Bioinformatics, 2016, 32, 1408-1410.	1.8	36
15	Expression of FoxP2 during zebrafish development and in the adult brain. International Journal of Developmental Biology, 2006, 50, 435-438.	0.3	29
16	Trendy: segmented regression analysis of expression dynamics in high-throughput ordered profiling experiments. BMC Bioinformatics, 2018, 19, 380.	1.2	24
17	An Expandable, Inducible Hemangioblast State Regulated by Fibroblast Growth Factor. Stem Cell Reports, 2014, 3, 1043-1057.	2.3	22
18	Spatial patterns of gene expression are unveiled in the chick primitive streak by ordering single-cell transcriptomes. Developmental Biology, 2018, 439, 30-41.	0.9	15

#	ARTICLE	IF	CITATIONS
19	In vivo replacement of damaged bladder urothelium by Wolffian duct epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8394-8399.	3.3	14
20	Reproducibility across single-cell RNA-seq protocols for spatial ordering analysis. PLoS ONE, 2020, 15, e0239711.	1.1	5
21	Enhancing biological signals and detection rates in single-cell RNA-seq experiments with cDNA library equalization. Nucleic Acids Research, 2022, 50, e12-e12.	6.5	4
22	A folic acid-enriched diet attenuates prostate involution in response to androgen deprivation. Prostate, 2019, 79, 183-194.	1.2	3
23	Epithelial DNA methyltransferase-1 regulates cell survival, growth and maturation in developing prostatic buds. Developmental Biology, 2019, 447, 157-169.	0.9	2
24	Ronin Is Essential for Embryogenesis and the Pluripotency of Mouse Embryonic Stem Cells. Cell, 2008, 134, 692.	13.5	0