

Zhe Liu

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

6,752
citations

270111

25
h-index

371746

37
g-index

53
all docs

53
docs citations

53
times ranked

11138
citing authors

#	ARTICLE	IF	CITATIONS
1	BRD2 compartmentalizes the accessible genome. <i>Nature Genetics</i> , 2022, 54, 481-491.	9.4	29
2	A General Method to Improve Fluorophores Using Deuterated Auxochromes. <i>Jacs Au</i> , 2021, 1, 690-696.	3.6	106
3	Single-cell imaging of genome organization and dynamics. <i>Molecular Systems Biology</i> , 2021, 17, e9653.	3.2	25
4	Biomolecular Condensates and Their Links to Cancer Progression. <i>Trends in Biochemical Sciences</i> , 2021, 46, 535-549.	3.7	51
5	A dominant-negative SOX18 mutant disrupts multiple regulatory layers essential to transcription factor activity. <i>Nucleic Acids Research</i> , 2021, 49, 10931-10955.	6.5	7
6	ecDNA hubs drive cooperative intermolecular oncogene expression. <i>Nature</i> , 2021, 600, 731-736.	13.7	123
7	Rational Design of Bioavailable Photosensitizers for Manipulation and Imaging of Biological Systems. <i>Cell Chemical Biology</i> , 2020, 27, 1063-1072.e7.	2.5	23
8	Microdomains form on the luminal face of neuronal extracellular vesicle membranes. <i>Scientific Reports</i> , 2020, 10, 11953.	1.6	14
9	A general method to optimize and functionalize red-shifted rhodamine dyes. <i>Nature Methods</i> , 2020, 17, 815-821.	9.0	155
10	Two-Parameter Mobility Assessments Discriminate Diverse Regulatory Factor Behaviors in Chromatin. <i>Molecular Cell</i> , 2020, 79, 677-688.e6.	4.5	87
11	Genome-wide kinetic properties of transcriptional bursting in mouse embryonic stem cells. <i>Science Advances</i> , 2020, 6, eaaz6699.	4.7	66
12	3D ATAC-PALM: super-resolution imaging of the accessible genome. <i>Nature Methods</i> , 2020, 17, 430-436.	9.0	62
13	Two-parameter single-molecule analysis for measurement of chromatin mobility. <i>STAR Protocols</i> , 2020, 1, 100223.	0.5	9
14	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. <i>Science</i> , 2019, 365, 699-704.	6.0	362
15	A Neuron-Glia Co-culture System for Studying Intercellular Lipid Transport. <i>Current Protocols in Cell Biology</i> , 2019, 84, e95.	2.3	18
16	NDP52 tunes cortical actin interaction with astral microtubules for accurate spindle orientation. <i>Cell Research</i> , 2019, 29, 666-679.	5.7	13
17	Neuron-Astrocyte Metabolic Coupling Protects against Activity-Induced Fatty Acid Toxicity. <i>Cell</i> , 2019, 177, 1522-1535.e14.	13.5	350
18	Phase separation of YAP reorganizes genome topology for long-term YAP target gene expression. <i>Nature Cell Biology</i> , 2019, 21, 1578-1589.	4.6	237

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19	MeCP2 nuclear dynamics in live neurons results from low and high affinity chromatin interactions. <i>ELife</i> , 2019, 8, .	2.8	29
20	Visualizing transcription factor dynamics in living cells. <i>Journal of Cell Biology</i> , 2018, 217, 1181-1191.	2.3	159
21	Visualizing long-term single-molecule dynamics in vivo by stochastic protein labeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 343-348.	3.3	79
22	Imaging dynamic and selective low-complexity domain interactions that control gene transcription. <i>Science</i> , 2018, 361, .	6.0	750
23	Shaping development by stochasticity and dynamics in gene regulation. <i>Open Biology</i> , 2017, 7, 170030.	1.5	14
24	A dynamic interplay of enhancer elements regulates <i>Klf4</i> expression in naïve pluripotency. <i>Genes and Development</i> , 2017, 31, 1795-1808.	2.7	49
25	Myc Regulates Chromatin Decompaction and Nuclear Architecture during B Cell Activation. <i>Molecular Cell</i> , 2017, 67, 566-578.e10.	4.5	174
26	Bright photoactivatable fluorophores for single-molecule imaging. <i>Nature Methods</i> , 2016, 13, 985-988.	9.0	338
27	Emerging Imaging and Genomic Tools for Developmental Systems Biology. <i>Developmental Cell</i> , 2016, 36, 597-610.	3.1	45
28	Real-time imaging of Huntingtin aggregates diverting target search and gene transcription. <i>ELife</i> , 2016, 5, .	2.8	74
29	Imaging Live-Cell Dynamics and Structure at the Single-Molecule Level. <i>Molecular Cell</i> , 2015, 58, 644-659.	4.5	419
30	Dynamics of CRISPR-Cas9 genome interrogation in living cells. <i>Science</i> , 2015, 350, 823-826.	6.0	301
31	Imaging Transcription: Past, Present, and Future. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015, 80, 1-8.	2.0	41
32	Lighting Up Genes in Single Cells at Scale. <i>Cell</i> , 2015, 162, 705-707.	13.5	1
33	A specific E3 ligase/deubiquitinase pair modulates TBP protein levels during muscle differentiation. <i>ELife</i> , 2015, 4, e08536.	2.8	28
34	Single-Molecule Dynamics of Enhanceosome Assembly in Embryonic Stem Cells. <i>Cell</i> , 2014, 156, 1274-1285.	13.5	532
35	Lattice light-sheet microscopy: Imaging molecules to embryos at high spatiotemporal resolution. <i>Science</i> , 2014, 346, 1257998.	6.0	1,567
36	3D imaging of Sox2 enhancer clusters in embryonic stem cells. <i>ELife</i> , 2014, 3, e04236.	2.8	204

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37	Control of Embryonic Stem Cell Lineage Commitment by Core Promoter Factor, TAF3. Cell, 2011, 146, 720-731.	13.5	155
38	Mecp2 Nuclear Dynamics in Live Neurons Results from Low and High Affinity Chromatin Interactions. SSRN Electronic Journal, 0, , .	0.4	2