Timothee Lionnet

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7902843/publications.pdf

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45 papers	6,049 citations	147566 31 h-index	253896 43 g-index
61 all docs	61 docs citations	61 times ranked	7959 citing authors

#	Article	IF	Citations
1	Singleâ€cell transcriptomics identifies Gadd45b as a regulator of herpesvirusâ€reactivating neurons. EMBO Reports, 2022, 23, e53543.	2.0	16
2	Synthetic regulatory reconstitution reveals principles of mammalian Hox cluster regulation. Science, 2022, 377, .	6.0	18
3	Single-molecule tracking of transcription protein dynamics in living cells: seeing is believing, but what are we seeing?. Current Opinion in Genetics and Development, 2021, 67, 94-102.	1.5	40
4	Transcription Factor Dynamics. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040949.	2.3	37
5	Single-molecule imaging of chromatin remodelers reveals role of ATPase in promoting fast kinetics of target search and dissociation from chromatin. ELife, 2021, 10, .	2.8	39
6	Spatiotemporal coordination of transcription preinitiation complex assembly in live cells. Molecular Cell, 2021, 81, 3560-3575.e6.	4.5	57
7	Three-dimensional chromatin landscapes in T cell acute lymphoblastic leukemia. Nature Genetics, 2020, 52, 388-400.	9.4	118
8	Live-cell single particle imaging reveals the role of RNA polymerase II in histone H2A.Z eviction. ELife, 2020, 9, .	2.8	49
9	Histone H3K27 acetylation precedes active transcription during zebrafish zygotic genome activation as revealed by live-cell analysis. Development (Cambridge), 2019, 146, .	1.2	81
10	Imaging the Life and Death of mRNAs in Single Cells. Cold Spring Harbor Perspectives in Biology, 2018, 10, a032086.	2.3	8
11	Single-Molecule Sensitivity RNA FISH Analysis of Influenza Virus Genome Trafficking. Methods in Molecular Biology, 2018, 1836, 195-211.	0.4	10
12	mRNA quantification using single-molecule FISH in Drosophila embryos. Nature Protocols, 2017, 12, 1326-1348.	5.5	92
13	Synthesis of Janelia Fluor HaloTag and SNAP-Tag Ligands and Their Use in Cellular Imaging Experiments. Methods in Molecular Biology, 2017, 1663, 179-188.	0.4	81
14	Quantitative mRNA imaging throughout the entire Drosophila brain. Nature Methods, 2017, 14, 703-706.	9.0	89
15	RNA Polymerase II cluster dynamics predict mRNA output in living cells. ELife, 2016, 5, .	2.8	215
16	Real-time quantification of single RNA translation dynamics in living cells. Science, 2016, 352, 1425-1429.	6.0	317
17	Bright photoactivatable fluorophores for single-molecule imaging. Nature Methods, 2016, 13, 985-988.	9.0	338
18	Multifocus microscopy with precise color multi-phase diffractive optics applied in functional neuronal imaging. Biomedical Optics Express, 2016, 7, 855.	1.5	47

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19	Mapping translation 'hot-spots' in live cells by tracking single molecules of mRNA and ribosomes. ELife, 2016, 5, .	2.8	110
20	Drosophila germ granules are structured and contain homotypic mRNA clusters. Nature Communications, 2015, 6, 7962.	5.8	151
21	Cellular Levels of Signaling Factors Are Sensed by Î²-actin Alleles to Modulate Transcriptional Pulse Intensity. Cell Reports, 2015, 11, 419-432.	2.9	41
22	Imaging Transcription: Past, Present, and Future. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 1-8.	2.0	41
23	A general method to improve fluorophores for live-cell and single-molecule microscopy. Nature Methods, 2015, 12, 244-250.	9.0	1,236
24	An RNA biosensor for imaging the first round of translation from single cells to living animals. Science, 2015, 347, 1367-1671.	6.0	238
25	CASFISH: CRISPR/Cas9-mediated in situ labeling of genomic loci in fixed cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11870-11875.	3.3	243
26	Single-Molecule Dynamics of Enhanceosome Assembly in Embryonic Stem Cells. Cell, 2014, 156, 1274-1285.	13.5	532
27	Colocalization of Different Influenza Viral RNA Segments in the Cytoplasm before Viral Budding as Shown by Single-molecule Sensitivity FISH Analysis. PLoS Pathogens, 2013, 9, e1003358.	2.1	142
28	Imaging the transcriptome. Molecular Systems Biology, 2013, 9, 710.	3.2	1
29	Transcription goes digital. EMBO Reports, 2012, 13, 313-321.	2.0	75
30	Following Single mRNAs from Birth to Death in Living Cells. Biophysical Journal, 2012, 102, 609a-610a.	0.2	0
31	Single-Molecule Studies Using Magnetic Traps. Cold Spring Harbor Protocols, 2012, 2012, pdb.top067488.	0.2	39
32	Spatial arrangement of an RNA zipcode identifies mRNAs under post-transcriptional control. Genes and Development, 2012, 26, 43-53.	2.7	127
33	A transgenic mouse for in vivo detection of endogenous labeled mRNA. Nature Methods, 2011, 8, 165-170.	9.0	340
34	Transcription of functionally related constitutive genes is not coordinated. Nature Structural and Molecular Biology, 2011, 18, 27-34.	3.6	102
35	Modern fluorescent proteins and imaging technologies to study gene expression, nuclear localization, and dynamics. Current Opinion in Cell Biology, 2011, 23, 310-317.	2.6	124
36	Transcription, one allele at a time. Genome Biology, 2010, 11, 129.	3.8	2

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37	Imaging Transcription in Living Cells. Annual Review of Biophysics, 2009, 38, 173-196.	4.5	112
38	Using fluorescent proteins to analyze gene expression in real-time. Biophysical Journal, 2009, 96, 205a.	0.2	0
39	Imaging Realâ€Time Gene Expression in Living Cells. FASEB Journal, 2009, 23, 316.3.	0.2	0
40	Real-time observation of bacteriophage T4 gp41 helicase reveals an unwinding mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19790-19795.	3.3	139
41	Single-Molecule Micromanipulation Techniques. Annual Review of Materials Research, 2007, 37, 33-67.	4.3	153
42	Sequence-Dependent Twist-Stretch Coupling in DNA. Biophysical Journal, 2007, 92, L30-L32.	0.2	20
43	DNA mechanics as a tool to probe helicase and translocase activity. Nucleic Acids Research, 2006, 34, 4232-4244.	6.5	56
44	Wringing Out DNA. Physical Review Letters, 2006, 96, 178102.	2.9	144
45	Single-molecule assay reveals strand switching and enhanced processivity of UvrD. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6439-6444.	3.3	177