Daniel R Larson

List of Publications by Year
in descending order

64 papers	11,065 citations	109321 35 h-index	138484 58 g-index
72 all docs	72 docs citations	72 times ranked	13842 citing authors

#	Article	IF	Citations
1	MYC amplifies gene expression through global changes in transcription factor dynamics. Cell Reports, 2022, 38, 110292.	6.4	25
2	Antisense transcription from lentiviral gene targeting linked to an integrated stress response in colorectal cancer cells. Molecular Therapy - Nucleic Acids, 2022, 28, 877-891.	5.1	2
3	Regulating gene expression through control of transcription factor multivalent interactions. Molecular Cell, 2022, 82, 1974-1975.	9.7	8
4	The Stochastic Genome and Its Role in Gene Expression. Cold Spring Harbor Perspectives in Biology, 2021, 13, a040386.	5.5	18
5	Is transcriptional regulation just going through a phase?. Molecular Cell, 2021, 81, 1579-1585.	9.7	27
6	Dynamic imaging of nascent RNA reveals general principles of transcription dynamics and stochastic splice site selection. Cell, 2021, 184, 2878-2895.e20.	28.9	89
7	Towards a â€˜Spot Onâ€™ Understanding of Transcription in the Nucleus. Journal of Molecular Biology, 2021, 433, 167016.	4.2	14
8	Transcriptional Decoding of Morphogen Gradients during Development. Developmental Cell, 2020, 54, 687-688.	7.0	2
9	Transcription in Living Cells: Molecular Mechanisms of Bursting. Annual Review of Biochemistry, 2020, 89, 189-212.	11.1	157
10	Ribosome biogenesis is a downstream effector of the oncogenic U2AF1-S34F mutation. PLoS Biology, 2020, 18, e3000920.	5.6	13
11	Editorial overview: Cell nucleus. Current Opinion in Cell Biology, 2019, 58, iii-iv.	5.4	0
12	Liveâ€cell imaging reveals the interplay between transcription factors, nucleosomes, and bursting. EMBO Journal, 2019, 38, .	7.8	155
13	The transcription factor CBFB suppresses breast cancer through orchestrating translation and transcription. Nature Communications, 2019, 10, 2071.	12.8	60
14	The splicing factor U2AF1 contributes to cancer progression through a noncanonical role in translation regulation. Genes and Development, 2019, 33, 482-497.	5.9	74
15	Structure and Function in Drosophila Chromosomes: Visualizing Topological Domains. Molecular Cell, 2019, 74, 3-4.	9.7	4
16	Intrinsic Dynamics of a Human Gene Reveal the Basis of Expression Heterogeneity. Cell, 2019, 176, 213-226.e18.	28.9	168
17	Single-cell systems biology: Probing the basic unit of information flow. Current Opinion in Systems Biology, 2018, 8, 7-15.	2.6	19
18	A Muscle-Specific Enhancer RNA Mediates Cohesin Recruitment and Regulates Transcription In trans. Molecular Cell, 2018, 71, 129-141.e8.	9.7	126

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19	Splicing heterogeneity: separating signal from noise. Genome Biology, 2018, 19, 86.	8.8	54
20	Single Molecule Analysis of Transcription in Live Cells Reveals the Gene Regulatory Function of MYC In Vivo. Biophysical Journal, 2017, 112, 210a-211a.	0.5	0
21	Differential context-specific impact of individual core promoter elements on transcriptional dynamics. Molecular Biology of the Cell, 2017, 28, 3360-3370.	2.1	28
22	CTCF-Mediated Enhancer-Promoter Interaction Is a Critical Regulator of Cell-to-Cell Variation of Gene Expression. Molecular Cell, 2017, 67, 1049-1058.e6.	9.7	219
23	The genomeâ€”seeing it clearly now. Science, 2017, 357, 354-355.	12.6	4
24	Adenylyl cyclase mRNA localizes to the posterior of polarized DICTYOSTELIUM cells during chemotaxis. BMC Cell Biology, 2017, 18, 23.	3.0	2
25	Singleâ€Molecule mRNA Detection in Live Yeast. Current Protocols in Molecular Biology, 2016, 113, 14.24.1-14.24.15.	2.9	22
26	Transcription Dynamics in Living Cells. Annual Review of Biophysics, 2016, 45, 25-47.	10.0	147
27	What have single-molecule studies taught us about gene expression?. Genes and Development, 2016, 30, 1796-1810.	5.9	48
28	Fluctuation Analysis. Methods in Enzymology, 2016, 572, 159-191.	1.0	28
29	Single-gene dual-color reporter cell line to analyze RNA synthesis in vivo. Methods, 2016, 103, 77-85.	3.8	12
30	High-throughput single-molecule screen for small-molecule perturbation of splicing and transcription kinetics. Methods, 2016, 96, 59-68.	3.8	6
31	Understanding Gene Expression Heterogeneity in Living Cells with Single-Molecule Fluorescence Microscopy. Biophysical Journal, 2015, 108, 8a.	0.5	0
32	Single-Molecule Imaging Reveals a Switch between Spurious and Functional ncRNA Transcription. Molecular Cell, 2015, 60, 597-610.	9.7	112
33	Cytoplasmic HIV-1 RNA is mainly transported by diffusion in the presence or absence of Gag protein. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5205-13.	7.1	54
34	A New Twist on Transcriptional Bursting. Cell, 2014, 158, 241-242.	28.9	9
35	Kinetic competition during the transcription cycle results in stochastic RNA processing. ELife, 2014, 3, .	6.0	177
36	Eukaryotic transcriptional dynamics: from single molecules to cell populations. Nature Reviews Genetics, 2013, 14, 572-584.	16.3	267

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37	Measuring Transcription Dynamics in Living Cells Using Fluctuation Analysis. Methods in Molecular Biology, 2013, 1042, 47-60.	0.9	25
38	Direct observation of frequency modulated transcription in single cells using light activation. ELife, 2013, 2, e00750.	6.0	131
39	Single-mRNA counting using fluorescent in situ hybridization in budding yeast. Nature Protocols, 2012, 7, 408-419.	12.0	105
40	Complexity of RNA polymerase II elongation dynamics. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 667-672.	1.9	18
41	Real-Time Observation of Transcription Initiation and Elongation on an Endogenous Yeast Gene. Science, 2011, 332, 475-478.	12.6	566
42	What do expression dynamics tell us about the mechanism of transcription?. Current Opinion in Genetics and Development, 2011, 21, 591-599.	3.3	98
43	Single-Molecule mRNA Decay Measurements Reveal Promoter- Regulated mRNA Stability in Yeast. Cell, 2011, 147, 1484-1497.	28.9	238
44	Cortactin phosphorylation regulates cell invasion through a pH-dependent pathway. Journal of Cell Biology, 2011, 195, 903-920.	5.2	181
45	Nuclear Physics: Quantitative Single-Cell Approaches to Nuclear Organization and Gene Expression. Cold Spring Harbor Symposia on Quantitative Biology, 2010, 75, 113-126.	1.1	17
46	The economy of photons. Nature Methods, 2010, 7, 357-359.	19.0	18
47	Metabolic cycling in single yeast cells from unsynchronized steady-state populations limited on glucose or phosphate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6946-6951.	7.1	89
48	A single molecule view of gene expression. Trends in Cell Biology, 2009, 19, 630-637.	7.9	182
49	Illuminating the Chemistry of Life: Design, Synthesis, and Applications of â€œCagedâ€•and Related Photoresponsive Compounds. ACS Chemical Biology, 2009, 4, 409-427.	3.4	383
50	Imaging Transcription in Living Cells. Annual Review of Biophysics, 2009, 38, 173-196.	10.0	112
51	Silica Nanoparticle Architecture Determines Radiative Properties of Encapsulated Fluorophores. Chemistry of Materials, 2008, 20, 2677-2684.	6.7	230
52	Single-RNA counting reveals alternative modes of gene expression in yeast. Nature Structural and Molecular Biology, 2008, 15, 1263-1271.	8.2	642
53	Dark fraction and blinking of water-soluble quantum dots in solution. , 2005, , .		1
54	Blinking and nonradiant dark fraction of water-soluble quantum dots in aqueous solution. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14284-14289.	7.1	211

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55	Temporally resolved interactions between antigen-stimulated IgE receptors and Lyn kinase on living cells. Journal of Cell Biology, 2005, 171, 527-536.	5.2	115
56	The PCH Family Member MAYP/PSTPIP2 Directly Regulates F-Actin Bundling and Enhances Filopodia Formation and Motility in Macrophages. Molecular Biology of the Cell, 2005, 16, 2947-2959.	2.1	72
57	Visualization of retrovirus budding with correlated light and electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15453-15458.	7.1	113
58	Bright and Stable Coreâ"Shell Fluorescent Silica Nanoparticles. Nano Letters, 2005, 5, 113-117.	9.1	872
59	Water-Soluble Quantum Dots for Multiphoton Fluorescence Imaging in Vivo. Science, 2003, 300, 1434-1436.	12.6	2,218
60	Direct measurement of Gagâ€"Gag interaction during retrovirus assembly with FRET and fluorescence correlation spectroscopy. Journal of Cell Biology, 2003, 162, 1233-1244.	5.2	103
61	Direct Observation of Retrovirus Assembly with FRET, Fluorescence Correlation Spectroscopy, and Single Particle Tracking. Microscopy and Microanalysis, 2003, 9, 1146-1147.	0.4	0
62	Precise Nanometer Localization Analysis for Individual Fluorescent Probes. Biophysical Journal, 2002, 82, 2775-2783.	0.5	2,149
63	Myc Amplifies Gene Expression Through Global Changes in Transcription Factor Dynamics. SSRN Electronic Journal, 0, , .	0.4	1
64	Intrinsic Dynamics of an Endogenous Human Gene Reveal the Basis of Expression Heterogeneity. SSRN Electronic Journal, 0, , .	0.4	0