

# Timothy J Stasevich

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

2,696  
citations

304743

22  
h-index

289244

40  
g-index

61  
all docs

61  
docs citations

61  
times ranked

3828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Molecule Imaging of mRNA Interactions with Stress Granules. <i>Methods in Molecular Biology</i> , 2022, 2428, 349-360.	0.9	1
2	A <i>Drosophila</i> toolkit for HA-tagged proteins unveils a block in autophagy flux in the last instar larval fat body. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	2
3	Imaging translational control by Argonaute with single-molecule resolution in live cells. <i>Nature Communications</i> , 2022, 13, .	12.8	17
4	Protein manipulation using single copies of short peptide tags in cultured cells and in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2021, 148, .	2.5	17
5	Live-cell imaging reveals the spatiotemporal organization of endogenous RNA polymerase II phosphorylation at a single gene. <i>Nature Communications</i> , 2021, 12, 3158.	12.8	36
6	Visualizing looping of two endogenous genomic loci using synthetic zinc-finger proteins with anti-FLAG and anti-HA frankenbodies in living cells. <i>Genes To Cells</i> , 2021, 26, 905-926.	1.2	15
7	A Multi-color Bicistronic Biosensor to Compare the Translation Dynamics of Different Open Reading Frames at Single-molecule Resolution in Live Cells. <i>Bio-protocol</i> , 2021, 11, e4096.	0.4	2
8	Generation and diversification of recombinant monoclonal antibodies. <i>ELife</i> , 2021, 10, .	6.0	7
9	Quantifying the dynamics of IRES and cap translation with single-molecule resolution in live cells. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1095-1104.	8.2	30
10	Lamin A/C deficiency enables increased myosin-II bipolar filament ensembles that promote divergent actomyosin network anomalies through self-organization. <i>Molecular Biology of the Cell</i> , 2020, 31, 2363-2378.	2.1	11
11	Lighting up single-mRNA translation dynamics in living cells. <i>Current Opinion in Genetics and Development</i> , 2020, 61, 75-82.	3.3	12
12	Computational Design and Interpretation of Single-RNA Translation Experiments. <i>Biophysical Journal</i> , 2020, 118, 547a-548a.	0.5	0
13	Coupling of translation quality control and mRNA targeting to stress granules. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	40
14	Satb1 integrates DNA binding site geometry and torsional stress to differentially target nucleosome-dense regions. <i>Nature Communications</i> , 2019, 10, 3221.	12.8	33
15	A genetically encoded probe for imaging nascent and mature HA-tagged proteins in vivo. <i>Nature Communications</i> , 2019, 10, 2947.	12.8	72
16	Computational design and interpretation of single-RNA translation experiments. <i>PLoS Computational Biology</i> , 2019, 15, e1007425.	3.2	12
17	Multicolour single-molecule tracking of mRNA interactions with RNP granules. <i>Nature Cell Biology</i> , 2019, 21, 162-168.	10.3	168
18	Live-Cell Single RNA Imaging Reveals Bursts of Translational Frameshifting. <i>Molecular Cell</i> , 2019, 75, 172-183.e9.	9.7	40

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19	Computational design and interpretation of single-RNA translation experiments. , 2019, 15, e1007425.		0
20	Computational design and interpretation of single-RNA translation experiments. , 2019, 15, e1007425.		0
21	Computational design and interpretation of single-RNA translation experiments. , 2019, 15, e1007425.		0
22	Computational design and interpretation of single-RNA translation experiments. , 2019, 15, e1007425.		0
23	Quantifying Single mRNA Translation Kinetics in Living Cells. Cold Spring Harbor Perspectives in Biology, 2018, 10, a032078.	5.5	37
24	Stochastic Modeling of Single RNA Translation Dynamics. Biophysical Journal, 2018, 114, 152a.	0.5	0
25	Imaging Translational and Post-Translational Gene Regulatory Dynamics in Living Cells with Antibody-Based Probes. Trends in Genetics, 2017, 33, 322-335.	6.7	30
26	She1 affects dynein through direct interactions with the microtubule and the dynein microtubule-binding domain. Nature Communications, 2017, 8, 2151.	12.8	25
27	Real-time quantification of single RNA translation dynamics in living cells. Science, 2016, 352, 1425-1429.	12.6	317
28	Estimating cellular parameters through optimization procedures: elementary principles and applications. Frontiers in Physiology, 2015, 6, 60.	2.8	9
29	High-performance probes for light and electron microscopy. Nature Methods, 2015, 12, 568-576.	19.0	225
30	Visualizing posttranslational and epigenetic modifications of endogenous proteins in vivo. Histochemistry and Cell Biology, 2015, 144, 101-109.	1.7	49
31	Evaluation of Chemical Fluorescent Dyes as a Protein Conjugation Partner for Live Cell Imaging. PLoS ONE, 2014, 9, e106271.	2.5	51
32	Quantifying histone and RNA polymerase II post-translational modification dynamics in mother and daughter cells. Methods, 2014, 70, 77-88.	3.8	16
33	Regulation of RNA polymerase II activation by histone acetylation in single living cells. Nature, 2014, 516, 272-275.	27.8	237
34	Convergence of chromatin binding estimates in live cells. Nature Methods, 2013, 10, 691-692.	19.0	11
35	Genetically encoded system to track histone modification in vivo. Scientific Reports, 2013, 3, 2436.	3.3	96
36	Quantifying transcription factor kinetics: At work or at play?. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 492-514.	5.2	90

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37	Assembly of the transcription machinery: ordered and stable, random and dynamic, or both?. Chromosoma, 2011, 120, 533-545.	2.2	35
38	Tracking epigenetic histone modifications in single cells using Fab-based live endogenous modification labeling. Nucleic Acids Research, 2011, 39, 6475-6488.	14.5	219
39	Highly stable loading of Mcm proteins onto chromatin in living cells requires replication to unload. Journal of Cell Biology, 2011, 192, 29-41.	5.2	78
40	FRAP and kinetic modeling in the analysis of nuclear protein dynamics: what do we really know?. Current Opinion in Cell Biology, 2010, 22, 403-411.	5.4	188
41	Dissecting the binding mechanism of the linker histone in live cells: an integrated FRAP analysis. EMBO Journal, 2010, 29, 1225-1234.	7.8	81
42	Epitaxial Growth Writ Large. Science, 2010, 327, 423-424.	12.6	16
43	Cross-Validating FRAP and FCS to Quantify the Impact of Photobleaching on In Vivo Binding Estimates. Biophysical Journal, 2010, 99, 3093-3101.	0.5	82
44	Direct Measurement of Association and Dissociation Rates of DNA Binding in Live Cells by Fluorescence Correlation Spectroscopy. Biophysical Journal, 2009, 97, 337-346.	0.5	124
45	Concurrent Fast and Slow Cycling of a Transcriptional Activator at an Endogenous Promoter. Science, 2008, 319, 466-469.	12.6	130
46	Crossover from the exact factor to the Boltzmann factor. American Journal of Physics, 1999, 67, 508-515.	0.7	10