

Albert Tsai

List of Publications by Year in descending order

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29
papers

1,430
citations

394421

19
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

1828
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutamate-induced RNA localization and translation in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6877-E6886.	7.1	159
2	Dynamic pathways of $\hat{\alpha}^1$ translational frameshifting. <i>Nature</i> , 2014, 512, 328-332.	27.8	147
3	High-throughput platform for real-time monitoring of biological processes by multicolor single-molecule fluorescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 664-669.	7.1	123
4	Coordinated conformational and compositional dynamics drive ribosome translocation. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 718-727.	8.2	117
5	Nuclear microenvironments modulate transcription from low-affinity enhancers. <i>ELife</i> , 2017, 6, .	6.0	108
6	Heterogeneous pathways and timing of factor departure during translation initiation. <i>Nature</i> , 2012, 487, 390-393.	27.8	83
7	The Impact of Aminoglycosides on the Dynamics of Translation Elongation. <i>Cell Reports</i> , 2013, 3, 497-508.	6.4	72
8	Multi-enhancer transcriptional hubs confer phenotypic robustness. <i>ELife</i> , 2019, 8, .	6.0	65
9	Rapid dynamics of general transcription factor TFIIB binding during preinitiation complex assembly revealed by single-molecule analysis. <i>Genes and Development</i> , 2016, 30, 2106-2118.	5.9	60
10	Unraveling the dynamics of ribosome translocation. <i>Current Opinion in Structural Biology</i> , 2012, 22, 804-814.	5.7	58
11	Dense and pleiotropic regulatory information in a developmental enhancer. <i>Nature</i> , 2020, 587, 235-239.	27.8	58
12	Dynamics of the translational machinery. <i>Current Opinion in Structural Biology</i> , 2011, 21, 137-145.	5.7	52
13	Involvement of protein IF2 N domain in ribosomal subunit joining revealed from architecture and function of the full-length initiation factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15656-15661.	7.1	48
14	The Dynamics of SecM-Induced Translational Stalling. <i>Cell Reports</i> , 2014, 7, 1521-1533.	6.4	48
15	Nonfluorescent Quenchers To Correlate Single-Molecule Conformational and Compositional Dynamics. <i>Journal of the American Chemical Society</i> , 2012, 134, 5734-5737.	13.7	39
16	Signal Recognition Particle-ribosome Binding Is Sensitive to Nascent Chain Length. <i>Journal of Biological Chemistry</i> , 2014, 289, 19294-19305.	3.4	39
17	Sequence-Dependent Elongation Dynamics on Macrolide-Bound Ribosomes. <i>Cell Reports</i> , 2014, 7, 1534-1546.	6.4	36
18	A Fully Synthetic Transcriptional Platform for a Multicellular Eukaryote. <i>Cell Reports</i> , 2017, 18, 287-296.	6.4	33

#	ARTICLE	IF	CITATIONS
19	Single-Molecule Analysis of Translational Dynamics. Cold Spring Harbor Perspectives in Biology, 2012, 4, a011551-a011551.	5.5	31
20	Amino acid sequence repertoire of the bacterial proteome and the occurrence of untranslatable sequences. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7166-7170.	7.1	15
21	Probing the Translation Dynamics of Ribosomes Using Zero-Mode Waveguides. Progress in Molecular Biology and Translational Science, 2016, 139, 1-43.	1.7	13
22	Robust and efficient gene regulation through localized nuclear microenvironments. Development (Cambridge), 2020, 147, .	2.5	10
23	Nuclear morphogenesis: forming a heterogeneous nucleus during embryogenesis. Development (Cambridge), 2022, 149, .	2.5	4
24	Transvection Goes Live—Visualizing Enhancer-Promoter Communication between Chromosomes. Molecular Cell, 2018, 70, 195-196.	9.7	1
25	Visualizing long-range enhancer–promoter interaction. Nature Genetics, 2018, 50, 1205-1206.	21.4	1
26	Observing Prokaryotic Translation Elongation in Real-Time using Single-Molecule Fluorescence. Biophysical Journal, 2013, 104, 257a.	0.5	0
27	1SBP-03 Dynamics of translation elongation in real time(1SBP Advanced Single Molecule Sequencing) Tj ETQq1 1 0.784314 rgBT /Over 53, S87.	0.1	0
28	Single-Molecule Profiling of Ribosome Translational Phenomena. Biophysical Journal, 2014, 106, 239a.	0.5	0
29	Real-Time Dynamics of Translation. FASEB Journal, 2012, 26, 90.1.	0.5	0