

Achillefs Kapanidis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

766
citations

14
h-index

27
g-index

34
ext. papers

1,101
ext. citations

12.1
avg, IF

4.28
L-index

#	Paper	IF	Citations
29	Precision and accuracy of single-molecule FRET measurements-a multi-laboratory benchmark study. <i>Nature Methods</i> , 2018 , 15, 669-676	21.6	188
28	Live-cell superresolution microscopy reveals the organization of RNA polymerase in the bacterial nucleoid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4390-9	11.5	162
27	RNA Polymerase Pausing during Initial Transcription. <i>Molecular Cell</i> , 2016 , 63, 939-50	17.6	74
26	Recent Advances in Understanding σ 0-Dependent Transcription Initiation Mechanisms. <i>Journal of Molecular Biology</i> , 2019 , 431, 3947-3959	6.5	30
25	Understanding Protein Mobility in Bacteria by Tracking Single Molecules. <i>Journal of Molecular Biology</i> , 2018 , 430, 4443-4455	6.5	29
24	Tracking Low-Copy Transcription Factors in Living Bacteria: The Case of the lac Repressor. <i>Biophysical Journal</i> , 2017 , 112, 1316-1327	2.9	28
23	In vivo single-RNA tracking shows that most tRNA diffuses freely in live bacteria. <i>Nucleic Acids Research</i> , 2017 , 45, 926-937	20.1	28
22	Single-molecule FRET reveals the pre-initiation and initiation conformations of influenza virus promoter RNA. <i>Nucleic Acids Research</i> , 2016 , 44, 10304-10315	20.1	27
21	Real-time single-molecule studies of the motions of DNA polymerase fingers illuminate DNA synthesis mechanisms. <i>Nucleic Acids Research</i> , 2015 , 43, 5998-6008	20.1	25
20	Substrate conformational dynamics facilitate structure-specific recognition of gapped DNA by DNA polymerase. <i>Nucleic Acids Research</i> , 2019 , 47, 10788-10800	20.1	24
19	The RNA polymerase clamp interconverts dynamically among three states and is stabilized in a partly closed state by ppGpp. <i>Nucleic Acids Research</i> , 2018 , 46, 7284-7295	20.1	24
18	Conformational heterogeneity and bubble dynamics in single bacterial transcription initiation complexes. <i>Nucleic Acids Research</i> , 2018 , 46, 677-688	20.1	18
17	Solution-Based Single-Molecule FRET Studies of K(+) Channel Gating in a Lipid Bilayer. <i>Biophysical Journal</i> , 2016 , 110, 2663-2670	2.9	17
16	Rediscovering Bacteria through Single-Molecule Imaging in Living Cells. <i>Biophysical Journal</i> , 2018 , 115, 190-202	2.9	16
15	Assembly, translocation, and activation of XerCD-dif recombination by FtsK translocase analyzed in real-time by FRET and two-color tethered fluorophore motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E5133-41	11.5	14
14	Transient non-specific DNA binding dominates the target search of bacterial DNA-binding proteins. <i>Molecular Cell</i> , 2021 , 81, 1499-1514.e6	17.6	9
13	DNA Polymerase Conformational Dynamics and the Role of Fidelity-Confering Residues: Insights from Computational Simulations. <i>Frontiers in Molecular Biosciences</i> , 2016 , 3, 20	5.6	8

12	Real-time analysis of single influenza virus replication complexes reveals large promoter-dependent differences in initiation dynamics. <i>Nucleic Acids Research</i> , 2019 , 47, 6466-6477	20.1	7
11	Closing and opening of the RNA polymerase trigger loop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15642-15649	11.5	7
10	High-throughput nitrogen-vacancy center imaging for nanodiamond photophysical characterization and pH nanosensing. <i>Nanoscale</i> , 2020 , 12, 21821-21831	7.7	6
9	Stable end-sealed DNA as robust nano-rulers for single-molecule fluorescence. <i>Chemical Science</i> , 2016 , 7, 4418-4422	9.4	6
8	Guidelines for DNA recombination and repair studies: Mechanistic assays of DNA repair processes. <i>Microbial Cell</i> , 2019 , 6, 65-101	3.9	5
7	The switching mechanism of the bacterial rotary motor combines tight regulation with inherent flexibility. <i>EMBO Journal</i> , 2021 , 40, e104683	13	4
6	Tracking antibiotic mechanisms. <i>Nature Reviews Microbiology</i> , 2019 , 17, 201	22.2	3
5	Confinement-Free Wide-Field Ratiometric Tracking of Single Fluorescent Molecules. <i>Biophysical Journal</i> , 2019 , 117, 2141-2153	2.9	2
4	Transcription initiation at a consensus bacterial promoter proceeds via a \times bind-unwind-load-and-lock \times mechanism. <i>ELife</i> , 2021 , 10,	8.9	2
3	RNA polymerase clamp conformational dynamics: long-lived states and modulation by crowding, cations, and nonspecific DNA binding. <i>Nucleic Acids Research</i> , 2021 , 49, 2790-2802	20.1	2
2	Single in the (Cell) City: a protein-folding story. <i>Nature Methods</i> , 2015 , 12, 715-6	21.6	1
1	Tracking tRNA packages. <i>Nature Chemical Biology</i> , 2018 , 14, 528-529	11.7	