

Eitan Lerner

List of Publications by Year in Descending Order

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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.

30
papers

778
citations

12
h-index

27
g-index

43
ext. papers

1,086
ext. citations

5.5
avg, IF

4.06
L-index

#	Paper	IF	Citations
30	Multi-parameter photon-by-photon hidden Markov modeling.. <i>Nature Communications</i> , 2022 , 13, 1000	17.4	1
29	FRET-based dynamic structural biology: Challenges, perspectives and an appeal for open-science practices. <i>ELife</i> , 2021 , 10,	8.9	43
28	The structural heterogeneity of β -synuclein is governed by several distinct subpopulations with interconversion times slower than milliseconds. <i>Structure</i> , 2021 , 29, 1048-1064.e6	5.2	11
27	High-throughput smFRET analysis of freely diffusing nucleic acid molecules and associated proteins. <i>Methods</i> , 2019 , 169, 21-45	4.6	3
26	Systematic Assessment of Burst Impurity in Confocal-Based Single-Molecule Fluorescence Detection Using Brownian Motion Simulations. <i>Molecules</i> , 2019 , 24,	4.8	7
25	The effect of macromolecular crowding on single-round transcription by Escherichia coli RNA polymerase. <i>Nucleic Acids Research</i> , 2019 , 47, 1440-1450	20.1	13
24	Toward dynamic structural biology: Two decades of single-molecule F \ddot{u} ster resonance energy transfer. <i>Science</i> , 2018 , 359,	33.3	251
23	Characterizing highly dynamic conformational states: The transcription bubble in RNAP-promoter open complex as an example. <i>Journal of Chemical Physics</i> , 2018 , 148, 123315	3.9	16
22	Monte Carlo Diffusion-Enhanced Photon Inference: Distance Distributions and Conformational Dynamics in Single-Molecule FRET. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 11598-11615	3.4	10
21	16-Ch Time-resolved Single-Molecule Spectroscopy Using Line Excitation. <i>Proceedings of SPIE</i> , 2017 , 10071,	1.7	3
20	Studying transcription initiation by RNA polymerase with diffusion-based single-molecule fluorescence. <i>Protein Science</i> , 2017 , 26, 1278-1290	6.3	6
19	Different types of pausing modes during transcription initiation. <i>Transcription</i> , 2017 , 8, 242-253	4.8	10
18	Multispot single-molecule FRET: High-throughput analysis of freely diffusing molecules. <i>PLoS ONE</i> , 2017 , 12, e0175766	3.7	20
17	F \ddot{u} ster resonance energy transfer and protein-induced fluorescence enhancement as synergetic multi-scale molecular rulers. <i>Scientific Reports</i> , 2016 , 6, 33257	4.9	47
16	FRETbursts: An Open Source Toolkit for Analysis of Freely-Diffusing Single-Molecule FRET. <i>PLoS ONE</i> , 2016 , 11, e0160716	3.7	35
15	A Multispot Confocal Platform for High-Throughput Freely Diffusing Single-Molecule FRET Studies. <i>Biophysical Journal</i> , 2016 , 110, 194a-195a	2.9	1
14	A Quantitative Theoretical Framework For Protein-Induced Fluorescence Enhancement-F \ddot{u} ster-Type Resonance Energy Transfer (PIFE-FRET). <i>Journal of Physical Chemistry B</i> , 2016 , 120, 6401-10	3.4	40

13	Backtracked and paused transcription initiation intermediate of Escherichia coli RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6562-E6571	11.5	54
12	Kinetics of fast changing intramolecular distance distributions obtained by combined analysis of FRET efficiency kinetics and time-resolved FRET equilibrium measurements. <i>Biophysical Journal</i> , 2014 , 106, 667-76	2.9	10
11	Ensemble and single-molecule detected time-resolved FRET methods in studies of protein conformations and dynamics. <i>Methods in Molecular Biology</i> , 2014 , 1076, 113-69	1.4	12
10	Preparation of homogeneous samples of double-labelled protein suitable for single-molecule FRET measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5983-91	4.4	9
9	A folding transition underlies the emergence of membrane affinity in amyloid- β . <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19129-33	3.6	34
8	Multiple conformations of full-length p53 detected with single-molecule fluorescence resonance energy transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20758-63	11.5	86
7	Time-resolved fluorescence resonance energy transfer study shows a compact denatured state of the B domain of protein A. <i>Biochemistry</i> , 2009 , 48, 3468-76	3.2	43
6	Abundant β -Synuclein compact dimers		1
5	A Novel Initiation Pathway in Escherichia Coli Transcription		3
4	Multispot single-molecule FRET: high-throughput analysis of freely diffusing molecules		1
3	The structural heterogeneity of β -Synuclein is governed by several distinct subpopulations with interconversion times slower than milliseconds		3
2	Fluorescence resonance energy transfer and protein-induced fluorescence enhancement as synergetic multi-scale molecular rulers		2
1	Multi-parameter photon-by-photon hidden Markov modeling		2