Rahul Roy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8774673/publications.pdf

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22	3,684	567281 15	677142 22
papers	citations	h-index	g-index

23	23	23	5084
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A practical guide to single-molecule FRET. Nature Methods, 2008, 5, 507-516.	19.0	1,857
2	Single-molecule imaging of transcription factor binding to DNA in live mammalian cells. Nature Methods, 2013, 10, 421-426.	19.0	459
3	Imaging chromophores with undetectable fluorescence by stimulated emission microscopy. Nature, 2009, 461, 1105-1109.	27.8	255
4	SSB protein diffusion on single-stranded DNA stimulates RecA filament formation. Nature, 2009, 461, 1092-1097.	27.8	251
5	SSB Functions as a Sliding Platform that Migrates on DNA via Reptation. Cell, 2011, 146, 222-232.	28.9	180
6	Dynamic Structural Rearrangements Between DNA Binding Modes of E. coli SSB Protein. Journal of Molecular Biology, 2007, 369, 1244-1257.	4.2	137
7	Spatial organization of RNA polymerase II inside a mammalian cell nucleus revealed by reflected light-sheet superresolution microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 681-686.	7.1	124
8	Spectroscopic observation of RNA chaperone activities of Hfq in post-transcriptional regulation by a small non-coding RNA. Nucleic Acids Research, 2007, 35, 999-1006.	14.5	86
9	Real-time observation of the transition from transcription initiation to elongation of the RNA polymerase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22175-22180.	7.1	67
10	Cholesterol promotes Cytolysin A activity by stabilizing the intermediates during pore formation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7323-E7330.	7.1	48
11	Transcription Initiation in a Single-Subunit RNA Polymerase Proceeds through DNA Scrunching and Rotation of the N-Terminal Subdomains. Molecular Cell, 2008, 30, 567-577.	9.7	46
12	Protein-induced fluorescence enhancement as aptamer sensing mechanism for thrombin detection. Sensors and Actuators B: Chemical, 2018, 267, 294-301.	7.8	45
13	Correlating Transcription Initiation and Conformational Changes by a Single-Subunit RNA Polymerase with Near Base-Pair Resolution. Molecular Cell, 2018, 70, 695-706.e5.	9.7	25
14	Isolation and molecular characterization of dengue virus clinical isolates from pediatric patients in New Delhi. International Journal of Infectious Diseases, 2019, 84, S25-S33.	3.3	19
15	Modeling how reversal of immune exhaustion elicits cure of chronic hepatitis C after the end of treatment with directâ€acting antiviral agents. Immunology and Cell Biology, 2018, 96, 969-980.	2.3	18
16	Smartphone-based kanamycin sensing with ratiometric FRET. RSC Advances, 2019, 9, 6143-6151.	3.6	15
17	Single-molecule fluorescence imaging: Generating insights into molecular interactions in virology. Journal of Biosciences, 2018, 43, 519-540.	1.1	11
18	Relaxed Rotational and Scrunching Changes in P266L Mutant of T7 RNA Polymerase Reduce Short Abortive RNAs while Delaying Transition into Elongation. PLoS ONE, 2014, 9, e91859.	2.5	11

#	Article	IF	Citations
19	Evaluation of spike protein antigens for SARS-CoV-2 serology. Journal of Virological Methods, 2021, 296, 114222.	2.1	10
20	Immune profile and responses of a novel dengue DNA vaccine encoding an EDIII-NS1 consensus design based on Indo-African sequences. Molecular Therapy, 2022, 30, 2058-2077.	8.2	10
21	Life cycle process dependencies of positive-sense RNA viruses suggest strategies for inhibiting productive cellular infection. Journal of the Royal Society Interface, 2021, 18, 20210401.	3.4	5
22	Single-molecule fluorescence imaging: Generating insights into molecular interactions in virology. Journal of Biosciences, 2018, 43, 519-540.	1.1	5