

Rahul Roy

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,684
citations

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

5084
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune profile and responses of a novel dengue DNA vaccine encoding an EDIII-NS1 consensus design based on Indo-African sequences. <i>Molecular Therapy</i> , 2022, 30, 2058-2077.	8.2	10
2	Evaluation of spike protein antigens for SARS-CoV-2 serology. <i>Journal of Virological Methods</i> , 2021, 296, 114222.	2.1	10
3	Life cycle process dependencies of positive-sense RNA viruses suggest strategies for inhibiting productive cellular infection. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210401.	3.4	5
4	Isolation and molecular characterization of dengue virus clinical isolates from pediatric patients in New Delhi. <i>International Journal of Infectious Diseases</i> , 2019, 84, S25-S33.	3.3	19
5	Smartphone-based kanamycin sensing with ratiometric FRET. <i>RSC Advances</i> , 2019, 9, 6143-6151.	3.6	15
6	Protein-induced fluorescence enhancement as aptamer sensing mechanism for thrombin detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 294-301.	7.8	45
7	Correlating Transcription Initiation and Conformational Changes by a Single-Subunit RNA Polymerase with Near Base-Pair Resolution. <i>Molecular Cell</i> , 2018, 70, 695-706.e5.	9.7	25
8	Single-molecule fluorescence imaging: Generating insights into molecular interactions in virology. <i>Journal of Biosciences</i> , 2018, 43, 519-540.	1.1	11
9	Cholesterol promotes Cytolysin A activity by stabilizing the intermediates during pore formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7323-E7330.	7.1	48
10	Modeling how reversal of immune exhaustion elicits cure of chronic hepatitis C after the end of treatment with direct-acting antiviral agents. <i>Immunology and Cell Biology</i> , 2018, 96, 969-980.	2.3	18
11	Single-molecule fluorescence imaging: Generating insights into molecular interactions in virology. <i>Journal of Biosciences</i> , 2018, 43, 519-540.	1.1	5
12	Spatial organization of RNA polymerase II inside a mammalian cell nucleus revealed by reflected light-sheet superresolution microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 681-686.	7.1	124
13	Relaxed Rotational and Scrunching Changes in P266L Mutant of T7 RNA Polymerase Reduce Short Abortive RNAs while Delaying Transition into Elongation. <i>PLoS ONE</i> , 2014, 9, e91859.	2.5	11
14	Single-molecule imaging of transcription factor binding to DNA in live mammalian cells. <i>Nature Methods</i> , 2013, 10, 421-426.	19.0	459
15	SSB Functions as a Sliding Platform that Migrates on DNA via Reptation. <i>Cell</i> , 2011, 146, 222-232.	28.9	180
16	Real-time observation of the transition from transcription initiation to elongation of the RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22175-22180.	7.1	67
17	Imaging chromophores with undetectable fluorescence by stimulated emission microscopy. <i>Nature</i> , 2009, 461, 1105-1109.	27.8	255
18	SSB protein diffusion on single-stranded DNA stimulates RecA filament formation. <i>Nature</i> , 2009, 461, 1092-1097.	27.8	251

#	ARTICLE	IF	CITATIONS
19	A practical guide to single-molecule FRET. <i>Nature Methods</i> , 2008, 5, 507-516.	19.0	1,857
20	Transcription Initiation in a Single-Subunit RNA Polymerase Proceeds through DNA Scrunching and Rotation of the N-Terminal Subdomains. <i>Molecular Cell</i> , 2008, 30, 567-577.	9.7	46
21	Spectroscopic observation of RNA chaperone activities of Hfq in post-transcriptional regulation by a small non-coding RNA. <i>Nucleic Acids Research</i> , 2007, 35, 999-1006.	14.5	86
22	Dynamic Structural Rearrangements Between DNA Binding Modes of E. coli SSB Protein. <i>Journal of Molecular Biology</i> , 2007, 369, 1244-1257.	4.2	137