

# Dhananjaya Nayak

## 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.

12  
papers

463  
citations

9  
h-index

13  
g-index

13  
ext. papers

573  
ext. citations

11.7  
avg, IF

3.27  
L-index

#	Paper	IF	Citations
12	The elemental mechanism of transcriptional pausing. <i>ELife</i> , <b>2019</b> , 8,	8.9	32
11	Co-chaperone Hsp70/Hsp90-organizing protein (Hop) is required for transposon silencing and Piwi-interacting RNA (piRNA) biogenesis. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 6039-6046	5.4	21
10	Trigger loop of RNA polymerase is a positional, not acid-base, catalyst for both transcription and proofreading. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E5103-E5112	11.5	29
9	CBR antimicrobials inhibit RNA polymerase via at least two bridge-helix cap-mediated effects on nucleotide addition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E4178-87	11.5	29
8	A pause sequence enriched at translation start sites drives transcription dynamics in vivo. <i>Science</i> , <b>2014</b> , 344, 1042-7	33.3	209
7	Trigger-helix folding pathway and S13 mediate catalysis and hairpin-stabilized pausing by <i>Escherichia coli</i> RNA polymerase. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 12707-21	20.1	31
6	Cys-pair reporters detect a constrained trigger loop in a paused RNA polymerase. <i>Molecular Cell</i> , <b>2013</b> , 50, 882-93	17.6	40
5	A promoter recognition mechanism common to yeast mitochondrial and phage t7 RNA polymerases. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 13641-13647	5.4	33
4	Mechanism of T7 RNAP pausing and termination at the T7 concatemer junction: a local change in transcription bubble structure drives a large change in transcription complex architecture. <i>Journal of Molecular Biology</i> , <b>2008</b> , 376, 541-53	6.5	4
3	Functional architecture of T7 RNA polymerase transcription complexes. <i>Journal of Molecular Biology</i> , <b>2007</b> , 371, 490-500	6.5	8
2	Major conformational changes during T7RNAP transcription initiation coincide with, and are required for, promoter release. <i>Journal of Molecular Biology</i> , <b>2005</b> , 353, 256-70	6.5	26
1	The elemental mechanism of transcriptional pausing		1