Dhananjaya Nayak

List of Publications by Citations

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	A pause sequence enriched at translation start sites drives transcription dynamics in vivo. *Science*, **2014**, 344, 1042-7	33.3	209
11	Cys-pair reporters detect a constrained trigger loop in a paused RNA polymerase. *Molecular Cell*, **2013**, 50, 882-93	17.6	40
10	A promoter recognition mechanism common to yeast mitochondrial and phage t7 RNA polymerases. *Journal of Biological Chemistry*, **2009**, 284, 13641-13647	5.4	33
9	The elemental mechanism of transcriptional pausing. *ELife*, **2019**, 8,	8.9	32
8	Trigger-helix folding pathway and SI3 mediate catalysis and hairpin-stabilized pausing by Escherichia coli RNA polymerase. *Nucleic Acids Research*, **2014**, 42, 12707-21	20.1	31
7	Trigger loop of RNA polymerase is a positional, not acid-base, catalyst for both transcription and proofreading. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E5103-E5112	11.5	29
6	CBR antimicrobials inhibit RNA polymerase via at least two bridge-helix cap-mediated effects on nucleotide addition. *Proceedings of the National Academy of Sciences of the United States of America* , **2015**, 112, E4178-87	11.5	29
5	Major conformational changes during T7RNAP transcription initiation coincide with, and are required for, promoter release. *Journal of Molecular Biology*, **2005**, 353, 256-70	6.5	26
4	Co-chaperone Hsp70/Hsp90-organizing protein (Hop) is required for transposon silencing and Piwi-interacting RNA (piRNA) biogenesis. *Journal of Biological Chemistry*, **2017**, 292, 6039-6046	5.4	21
3	Functional architecture of T7 RNA polymerase transcription complexes. *Journal of Molecular Biology*, **2007**, 371, 490-500	6.5	8
2	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. *Journal of Molecular Biology*, **2008**, 376, 541-53	6.5	4
1	The elemental mechanism of transcriptional pausing		1