

Tatiana V Mishanina

List of Publications by Citations

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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.

19
papers

910
citations

12
h-index

20
g-index

20
ext. papers

1,131
ext. citations

12.1
avg, IF

4.59
L-index

#	Paper	IF	Citations
19	Biogenesis of reactive sulfur species for signaling by hydrogen sulfide oxidation pathways. <i>Nature Chemical Biology</i> , 2015 , 11, 457-64	11.7	364
18	Structure of amantadine-bound M2 transmembrane peptide of influenza A in lipid bilayers from magic-angle-spinning solid-state NMR: the role of Ser31 in amantadine binding. <i>Journal of Molecular Biology</i> , 2009 , 385, 1127-41	6.5	128
17	RNA Polymerase Accommodates a Pause RNA Hairpin by Global Conformational Rearrangements that Prolong Pausing. <i>Molecular Cell</i> , 2018 , 69, 802-815.e5	17.6	85
16	Structural Basis for Transcript Elongation Control by NusG Family Universal Regulators. <i>Cell</i> , 2018 , 173, 1650-1662.e14	56.2	81
15	Transient Kinetic Analysis of Hydrogen Sulfide Oxidation Catalyzed by Human Sulfide Quinone Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25072-80	5.4	44
14	An unprecedented mechanism of nucleotide methylation in organisms containing thyX. <i>Science</i> , 2016 , 351, 507-10	33.3	34
13	The elemental mechanism of transcriptional pausing. <i>ELife</i> , 2019 , 8,	8.9	32
12	Mechanisms of Transcriptional Pausing in Bacteria. <i>Journal of Molecular Biology</i> , 2019 , 431, 4007-4029	6.5	30
11	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> , 2017 , 114, E5103-E5112	11.5	29
10	Trapping of an intermediate in the reaction catalyzed by flavin-dependent thymidylate synthase. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4442-8	16.4	27
9	Accurate measurement of methyl ¹³ C chemical shifts by solid-state NMR for the determination of protein side chain conformation: the influenza A M2 transmembrane peptide as an example. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7806-16	16.4	19
8	Mechanisms and inhibition of uracil methylating enzymes. <i>Bioorganic Chemistry</i> , 2012 , 43, 37-43	5.1	17
7	Substrate activation in flavin-dependent thymidylate synthase. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10597-600	16.4	11
6	Synthesis and application of isotopically labeled flavin nucleotides. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015 , 58, 370-5	1.9	6
5	Chemical quenching and identification of intermediates in flavoenzyme-catalyzed reactions. <i>Methods in Enzymology</i> , 2019 , 620, 89-114	1.7	1
4	The elemental mechanism of transcriptional pausing		1
3	Phosphorylation and acetylation of mitochondrial transcription factor A promote transcription processivity without compromising initiation or DNA compaction.. <i>Journal of Biological Chemistry</i> , 2022 , 101815	5.4	1

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| 2 | Conserved Trigger Loop Histidine of RNA Polymerase II Functions as a Positional Catalyst Primarily through Steric Effects. <i>Biochemistry</i> , 2021 , 60, 3323-3336 | 3.2 | 0 |
| 1 | Conserved mechanisms of transcriptional pausing regulate diverse RNA polymerases. <i>FASEB Journal</i> , 2019 , 33, 624.2 | 0.9 | |