

Tatiana V Mishanina

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,294
citations

759055

12
h-index

887953

17
g-index

20
all docs

20
docs citations

20
times ranked

1741
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogenesis of reactive sulfur species for signaling by hydrogen sulfide oxidation pathways. <i>Nature Chemical Biology</i> , 2015, 11, 457-464.	3.9	483
2	RNA Polymerase Accommodates a Pause RNA Hairpin by Global Conformational Rearrangements that Prolong Pausing. <i>Molecular Cell</i> , 2018, 69, 802-815.e5.	4.5	152
3	Structural Basis for Transcript Elongation Control by NusG Family Universal Regulators. <i>Cell</i> , 2018, 173, 1650-1662.e14.	13.5	143
4	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, 1127-1141.	2.0	135
5	Mechanisms of Transcriptional Pausing in Bacteria. <i>Journal of Molecular Biology</i> , 2019, 431, 4007-4029.	2.0	70
6	The elemental mechanism of transcriptional pausing. <i>ELife</i> , 2019, 8, .	2.8	58
7	Transient Kinetic Analysis of Hydrogen Sulfide Oxidation Catalyzed by Human Sulfide Quinone Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2015, 290, 25072-25080.	1.6	52
8	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.	3.3	49
9	An unprecedented mechanism of nucleotide methylation in organisms containing <i>thyX</i> . <i>Science</i> , 2016, 351, 507-510.	6.0	43
10	Trapping of an Intermediate in the Reaction Catalyzed by Flavin-Dependent Thymidylate Synthase. <i>Journal of the American Chemical Society</i> , 2012, 134, 4442-4448.	6.6	31
11	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, 7806-7816.	6.6	21
12	Mechanisms and inhibition of uracil methylating enzymes. <i>Bioorganic Chemistry</i> , 2012, 43, 37-43.	2.0	21
13	Substrate Activation in Flavin-Dependent Thymidylate Synthase. <i>Journal of the American Chemical Society</i> , 2014, 136, 10597-10600.	6.6	12
14	Synthesis and application of isotopically labeled flavin nucleotides. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 370-375.	0.5	9
15	Phosphorylation and acetylation of mitochondrial transcription factor A promote transcription processivity without compromising initiation or DNA compaction. <i>Journal of Biological Chemistry</i> , 2022, 298, 101815.	1.6	8
16	Conserved Trigger Loop Histidine of RNA Polymerase II Functions as a Positional Catalyst Primarily through Steric Effects. <i>Biochemistry</i> , 2021, 60, 3323-3336.	1.2	4
17	Chemical quenching and identification of intermediates in flavoenzyme-catalyzed reactions. <i>Methods in Enzymology</i> , 2019, 620, 89-114.	0.4	1
18	Conserved mechanisms of transcriptional pausing regulate diverse RNA polymerases. <i>FASEB Journal</i> , 2019, 33, 624.2.	0.2	0