Tatiana V Mishanina

List of Publications by Year in Descending Order

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	Phosphorylation and acetylation of mitochondrial transcription factor A promote transcription processivity without compromising initiation or DNA compaction.. *Journal of Biological Chemistry*, **2022**, 101815	5.4	1
18	Conserved Trigger Loop Histidine of RNA Polymerase II Functions as a Positional Catalyst Primarily through Steric Effects. *Biochemistry*, **2021**, 60, 3323-3336	3.2	0
17	Chemical quenching and identification of intermediates in flavoenzyme-catalyzed reactions. *Methods in Enzymology*, **2019**, 620, 89-114	1.7	1
16	Mechanisms of Transcriptional Pausing in Bacteria. *Journal of Molecular Biology*, **2019**, 431, 4007-4029	6.5	30
15	The elemental mechanism of transcriptional pausing. *ELife*, **2019**, 8,	8.9	32
14	Conserved mechanisms of transcriptional pausing regulate diverse RNA polymerases. *FASEB Journal*, **2019**, 33, 624.2	0.9	
13	RNA Polymerase Accommodates a Pause RNA Hairpin by Global Conformational Rearrangements that Prolong Pausing. *Molecular Cell*, **2018**, 69, 802-815.e5	17.6	85
12	Structural Basis for Transcript Elongation Control by NusG Family Universal Regulators. *Cell*, **2018**, 173, 1650-1662.e14	56.2	81
11	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
10	An unprecedented mechanism of nucleotide methylation in organisms containing thyX. *Science*, **2016**, 351, 507-10	33.3	34
9	Biogenesis of reactive sulfur species for signaling by hydrogen sulfide oxidation pathways. *Nature Chemical Biology*, **2015**, 11, 457-64	11.7	364
8	Transient Kinetic Analysis of Hydrogen Sulfide Oxidation Catalyzed by Human Sulfide Quinone Oxidoreductase. *Journal of Biological Chemistry*, **2015**, 290, 25072-80	5.4	44
7	Synthesis and application of isotopically labeled flavin nucleotides. *Journal of Labelled Compounds and Radiopharmaceuticals*, **2015**, 58, 370-5	1.9	6
6	Substrate activation in flavin-dependent thymidylate synthase. *Journal of the American Chemical Society*, **2014**, 136, 10597-600	16.4	11
5	Trapping of an intermediate in the reaction catalyzed by flavin-dependent thymidylate synthase. *Journal of the American Chemical Society*, **2012**, 134, 4442-8	16.4	27
4	Mechanisms and inhibition of uracil methylating enzymes. *Bioorganic Chemistry*, **2012**, 43, 37-43	5.1	17
3	Accurate measurement of methyl 13C chemical shifts by solid-state NMR for the determination of protein side chain conformation: the influenza a M2 transmembrane peptide as an example. *Journal of the American Chemical Society*, **2009**, 131, 7806-16	16.4	19

2	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. *Journal of Molecular Biology*, **2009**, 385, 1127-41	6.5	128
1	The elemental mechanism of transcriptional pausing		1