

Ruslan Aphasizhev

List of Publications by Year in descending order

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47
papers

2,210
citations

218677

26
h-index

223800

46
g-index

48
all docs

48
docs citations

48
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Uridine insertion/deletion RNA editing in trypanosome mitochondria: A complex business. <i>Rna</i> , 2003, 9, 265-276.	3.5	150
2	Trypanosome Mitochondrial 3' Terminal Uridyl Transferase (TUTase). <i>Cell</i> , 2002, 108, 637-648.	28.9	135
3	Isolation of a U-insertion/deletion editing complex from <i>Leishmania tarentolae</i> mitochondria. <i>EMBO Journal</i> , 2003, 22, 913-924.	7.8	130
4	Mitochondrial proteins and complexes in <i>Leishmania</i> and <i>Trypanosoma</i> involved in U-insertion/deletion RNA editing. <i>Rna</i> , 2004, 10, 159-170.	3.5	121
5	Guide RNA-Binding Complex from Mitochondria of Trypanosomatids. <i>Molecular Cell</i> , 2008, 32, 198-209.	9.7	120
6	Pentatricopeptide Repeat Proteins Stimulate mRNA Adenylation/Uridylation to Activate Mitochondrial Translation in Trypanosomes. <i>Molecular Cell</i> , 2011, 42, 106-117.	9.7	108
7	A tale of two TUTases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10617-10622.	7.1	107
8	A 100-kD complex of two RNA-binding proteins from mitochondria of <i>Leishmania tarentolae</i> catalyzes RNA annealing and interacts with several RNA editing components. <i>Rna</i> , 2003, 9, 62-76.	3.5	100
9	3' adenylation determines mRNA abundance and monitors completion of RNA editing in <i>T. brucei</i> mitochondria. <i>EMBO Journal</i> , 2008, 27, 1596-1608.	7.8	94
10	Uridine insertion/deletion editing in trypanosomes: a playground for RNA-guided information transfer. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 669-685.	6.4	79
11	RET1-Catalyzed Uridylation Shapes the Mitochondrial Transcriptome in <i>Trypanosoma brucei</i> . <i>Molecular and Cellular Biology</i> , 2010, 30, 1555-1567.	2.3	75
12	Mitochondrial RNA processing in trypanosomes. <i>Research in Microbiology</i> , 2011, 162, 655-663.	2.1	74
13	Lexis and Grammar of Mitochondrial RNA Processing in Trypanosomes. <i>Trends in Parasitology</i> , 2020, 36, 337-355.	3.3	71
14	RNA Binding and Core Complexes Constitute the U-Insertion/Deletion Editosome. <i>Molecular and Cellular Biology</i> , 2014, 34, 4329-4342.	2.3	67
15	Mitochondrial RNA editing in trypanosomes: Small RNAs in control. <i>Biochimie</i> , 2014, 100, 125-131.	2.6	66
16	U-Insertion/Deletion mRNA-Editing Holoenzyme: Definition in Sight. <i>Trends in Parasitology</i> , 2016, 32, 144-156.	3.3	59
17	UTP-bound and Apo Structures of a Minimal RNA Uridyltransferase. <i>Journal of Molecular Biology</i> , 2007, 366, 882-899.	4.2	54
18	The Mitochondrial RNA Ligase from <i>Leishmania tarentolae</i> Can Join RNA Molecules Bridged by a Complementary RNA. <i>Journal of Biological Chemistry</i> , 1999, 274, 24289-24296.	3.4	38

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19	RNA-editing Terminal Uridylyl Transferase 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 24123-24130.	3.4	37
20	Dual role of the RNA substrate in selectivity and catalysis by terminal uridylyl transferases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14634-14639.	7.1	36
21	Antisense Transcripts Delimit Exonucleolytic Activity of the Mitochondrial 3' Processome to Generate Guide RNAs. <i>Molecular Cell</i> , 2016, 61, 364-378.	9.7	35
22	Isolation and Characterization of a U-specific 3'-5'-Exonuclease from Mitochondria of <i>Leishmania tarentolae</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 21280-21284.	3.4	30
23	Guide to the Nomenclature of Kinetoplastid RNA Editing: A Proposal. <i>Protist</i> , 2010, 161, 2-6.	1.5	29
24	Novel TUTase associates with an editosome-like complex in mitochondria of <i>Trypanosoma brucei</i> . <i>Rna</i> , 2009, 15, 1322-1337.	3.5	28
25	Ribosome-associated pentatricopeptide repeat proteins function as translational activators in mitochondria of trypanosomes. <i>Molecular Microbiology</i> , 2016, 99, 1043-1058.	2.5	28
26	Identification and characterization of nuclear non-canonical poly(A) polymerases from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2009, 164, 66-73.	1.1	26
27	Multiple terminal uridylyltransferases of trypanosomes. <i>FEBS Letters</i> , 2004, 572, 15-18.	2.8	25
28	Structure of the Mitochondrial Editosome-Like Complex Associated TUTase 1 Reveals Divergent Mechanisms of UTP Selection and Domain Organization. <i>Journal of Molecular Biology</i> , 2010, 399, 464-475.	4.2	24
29	Disruption of the Zinc Finger Motifs in the <i>Leishmania tarentolae</i> LC-4 (=TbMP63) L-complex Editing Protein Affects the Stability of the L-complex. <i>Journal of Biological Chemistry</i> , 2004, 279, 3893-3899.	3.4	23
30	Kinetoplast DNA-encoded ribosomal protein S12. <i>RNA Biology</i> , 2013, 10, 1679-1688.	3.1	23
31	Mechanism of U Insertion RNA Editing in Trypanosome Mitochondria: The Bimodal TUTase Activity of the Core Complex. <i>Journal of Molecular Biology</i> , 2010, 399, 680-695.	4.2	21
32	Emerging roles of PPR proteins in trypanosomes. <i>RNA Biology</i> , 2013, 10, 1495-1500.	3.1	21
33	PPR polyadenylation factor defines mitochondrial mRNA identity and stability in trypanosomes. <i>EMBO Journal</i> , 2017, 36, 2435-2454.	7.8	20
34	Transcription initiation defines kinetoplast RNA boundaries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10323-E10332.	7.1	19
35	Terminal RNA uridylyltransferases of trypanosomes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2008, 1779, 270-280.	1.9	17
36	Constructive edge of uridylation-induced RNA degradation. <i>RNA Biology</i> , 2016, 13, 1078-1083.	3.1	17

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37	RNA Editing Uridyltransferases of Trypanosomatids. <i>Methods in Enzymology</i> , 2007, 424, 55-73.	1.0	16
38	RNA Editing TUTase 1: structural foundation of substrate recognition, complex interactions and drug targeting. <i>Nucleic Acids Research</i> , 2016, 44, 10862-10878.	14.5	15
39	Isolation of RNA Binding Proteins Involved in Insertion/Deletion Editing. <i>Methods in Enzymology</i> , 2007, 424, 75-105.	1.0	14
40	Mechanism of U-Insertion RNA Editing in Trypanosome Mitochondria: Characterization of RET2 Functional Domains by Mutational Analysis. <i>Journal of Molecular Biology</i> , 2010, 399, 696-706.	4.2	10
41	iCODA: RNAi-Based Inducible Knock-In System in <i>Trypanosoma brucei</i> . <i>Methods in Molecular Biology</i> , 2011, 718, 23-37.	0.9	10
42	Investigating RNA editing factors from trypanosome mitochondria. <i>Methods</i> , 2016, 107, 23-33.	3.8	10
43	U-insertion/deletion RNA editing multiprotein complexes and mitochondrial ribosomes in <i>Leishmania tarentolae</i> are located in antipodal nodes adjacent to the kinetoplast DNA. <i>Mitochondrion</i> , 2015, 25, 76-86.	3.4	7
44	Poly(A) binding KPAF4/5 complex stabilizes kinetoplast mRNAs in <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2020, 48, 8645-8662.	14.5	7
45	Mitochondrial RNA quality control in trypanosomes. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1638.	6.4	6
46	Random-splitting of tRNA transcripts as an approach for studying tRNA-protein interactions. <i>FEBS Letters</i> , 1993, 323, 175-178.	2.8	5
47	CTS tag-based methods for investigating mitochondrial RNA modification factors in <i>Trypanosoma brucei</i> . <i>Methods in Enzymology</i> , 2021, 658, 83-109.	1.0	1