Dmitri A Maslov

List of Publications by Year
in descending order

65	3,200	101543	155660
papers	citations	36 h-index	55 g-index

65	65	65	1991
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phylogeny of trypanosomes as inferred from the small and large subunit rRNAs: implications for the evolution of parasitism in the trypanosomatid protozoa. Molecular and Biochemical Parasitology, 1996, 75, 197-205.	1.1	239
2	Diversity and phylogeny of insect trypanosomatids: all that is hidden shall be revealed. Trends in Parasitology, 2013, 29, 43-52.	3.3	173
3	The polarity of editing within a multiple gRNA-mediated domain is due to formation of anchors for upstream gRNAs by downstream editing. Cell, 1992, 70, 459-467.	28.9	156
4	Evolution of RNA editing in kinetoplastid protozoa. Nature, 1994, 368, 345-348.	27.8	146
5	Trypanosomatids Are Much More than Just Trypanosomes: Clues from the Expanded Family Tree. Trends in Parasitology, 2018, 34, 466-480.	3.3	127
6	Recent advances in trypanosomatid research: genome organization, expression, metabolism, taxonomy and evolution. Parasitology, 2019, 146, 1-27.	1.5	121
7	Analysis of Ribosomal RNA Genes Suggests That Trypanosomes Are Monophyletic. Journal of Molecular Evolution, 1997, 44, 521-527.	1.8	94
8	Structure of a mitochondrial ribosome with minimal RNA. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9637-9642.	7.1	87
9	Translation of the Edited mRNA for Cytochrome b in Trypanosome Mitochondria. Science, 2000, 287, 1639-1640.	12.6	86
10	Generation of unexpected editing patterns in Leishmania tarentolae mitochondrial mRNAs: Misediting produced by misguiding. Cell, 1992, 70, 469-476.	28.9	80
11	New Approaches to Systematics of Trypanosomatidae: Criteria for Taxonomic (Re)description. Trends in Parasitology, 2015, 31, 460-469.	3.3	79
12	Genome of Leptomonas pyrrhocoris: a high-quality reference for monoxenous trypanosomatids and new insights into evolution of Leishmania. Scientific Reports, 2016, 6, 23704.	3.3	74
13	Lexis and Grammar of Mitochondrial RNA Processing in Trypanosomes. Trends in Parasitology, 2020, 36, 337-355.	3.3	71
14	Diversity and Phylogeny of Insect Trypanosomatids Based on Small Subunit rRNA Genes: Polyphyly of Leptomonas and Blastocrithidia. Journal of Eukaryotic Microbiology, 2001, 48, 161-169.	1.7	64
15	Novel Trypanosomatid-Bacterium Association: Evolution of Endosymbiosis in Action. MBio, 2016, 7, e01985.	4.1	64
16	Probing into the diversity of trypanosomatid flagellates parasitizing insect hosts in South-West China reveals both endemism and global dispersal. Molecular Phylogenetics and Evolution, 2010, 54, 243-253.	2.7	60
17	New <scp>S</scp>pecies of <scp>I</scp>nsect <scp>T</scp>rypanosomatids from <scp>C</scp>osta <scp>R</scp>ica and the <scp>P</scp>roposal for a <scp>N</scp>ew <scp>S</scp>ubfamily within the <scp>T</scp>rypanosomatidae. Journal of Eukaryotic Microbiology, 2012, 59, 537-547.	1.7	57
18	Monophyly of Endosymbiont Containing Trypanosomatids: Phylogeny versus Taxonomy. Journal of Eukaryotic Microbiology, 1998, 45, 293-297.	1.7	54

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19	Trypanosome REH1 is an RNA helicase involved with the 3â€²â€“5â€² polarity of multiple gRNA-guided uridine insertion/deletion RNA editing. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3542-3547.	7.1	54
20	Two New Species of Trypanosomatid Parasites Isolated from Heteroptera in Costa Rica. Journal of Eukaryotic Microbiology, 2010, 57, 177-188.	1.7	53
21	Phylogeny of the kinetoplastida: taxonomic problems and insights into the evolution of parasitism. Memorias Do Instituto Oswaldo Cruz, 2001, 96, 397-402.	1.6	50
22	Detection of the Mitochondrially Encoded Cytochrome cOxidase Subunit I in the Trypanosomatid Protozoan Leishmania tarentolae. Journal of Biological Chemistry, 2000, 275, 17160-17165.	3.4	48
23	Structures and stabilization of kinetoplastid-specific split rRNAs revealed by comparing leishmanial and human ribosomes. Nature Communications, 2016, 7, 13223.	12.8	48
24	An Integrated Morphological and Molecular Approach to a New Species Description in the Trypanosomatidae: the Case of Leptomonas podlipaevi n. sp., a Parasite of Boisea rubrolineata (Hemiptera: Rhopalidae). Journal of Eukaryotic Microbiology, 2006, 53, 103-111.	1.7	47
25	Phylogenetic Affinities of Diplonema within the Euglenozoa as Inferred from the SSU rRNA Gene and Partial COI Protein Sequences. Protist, 1999, 150, 33-42.	1.5	46
26	Selective recovery of the cultivation-prone components from mixed trypanosomatid infections: a case of several novel species isolated from Neotropical Heteroptera. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 893-909.	1.7	46
27	Leishmania tarentolae: Taxonomic classification and its application as a promising biotechnological expression host. PLoS Neglected Tropical Diseases, 2019, 13, e0007424.	3.0	46
28	Discovery and Barcoding by Analysis of Spliced Leader RNA Gene Sequences of New Isolates of Trypanosomatidae from Heteroptera in Costa Rica and Ecuador. Journal of Eukaryotic Microbiology, 2007, 54, 57-65.	1.7	45
29	Detection and Identification of Human PathogenicLeishmaniaandTrypanosomaSpecies by Hybridization of PCR-Amplified Mini-exon Repeats. Experimental Parasitology, 1996, 82, 242-250.	1.2	44
30	Cosmopolitan Distribution of a Trypanosomatid Leptomonas pyrrhocoris. Protist, 2012, 163, 616-631.	1.5	44
31	Morphological Discordance of the New Trypanosomatid Species Phylogenetically Associated with the Genus Crithidia. Protist, 2008, 159, 99-114.	1.5	43
32	Partial kinetoplast-mitochondrial gene organization and expression in the respiratory deficient plant trypanosomatid Phytomonas serpens. Molecular and Biochemical Parasitology, 1999, 99, 207-221.	1.1	41
33	A putative novel nuclear-encoded subunit of the cytochrome c oxidase complex in trypanosomatids. Molecular and Biochemical Parasitology, 2002, 125, 113-125.	1.1	41
34	The absence of genes for cytochrome c oxidase and reductase subunits in maxicircle kinetoplast DNA of the respiration-deficient plant trypanosomatid Phytomonas serpens. Current Genetics, 2000, 38, 95-103.	1.7	40
35	Unusual Polypeptide Synthesis in the Kinetoplast-Mitochondria from Leishmania tarentolae. Journal of Biological Chemistry, 2002, 277, 7222-7230.	3.4	39
36	Isolation and characterization of mitochondrial ribosomes and ribosomal subunits from Leishmania tarentolae. Molecular and Biochemical Parasitology, 2006, 148, 69-78.	1.1	36

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37	A phylogenetic view on the genus Phytomonas. Molecular and Biochemical Parasitology, 1997, 89, 295-299.	1.1	34
38	Proteomics and electron microscopic characterization of the unusual mitochondrial ribosome-related 45S complex in Leishmania tarentolae. Molecular and Biochemical Parasitology, 2007, 152, 203-212.	1.1	31
39	Evolution of the U-Insertion/Deletion RNA Editing in Mitochondria of Kinetoplastid Protozoa. Annals of the New York Academy of Sciences, 1999, 870, 190-205.	3.8	30
40	Diplonema spp. Possess Spliced Leader RNA Genes Similar to the Kinetoplastida. Journal of Eukaryotic Microbiology, 2001, 48, 325-331.	1.7	30
41	The Effect of RNA Interference Down-regulation of RNA Editing 3â€²-Terminal Uridylyl Transferase (TUTase) 1 on Mitochondrial de Novo Protein Synthesis and Stability of Respiratory Complexes in Trypanosoma brucei. Journal of Biological Chemistry, 2004, 279, 7819-7825.	3.4	28
42	Host-specificity of Monoxenous Trypanosomatids: Statistical Analysis of the Distribution and Transmission Patterns of the Parasites from Neotropical Heteroptera. Protist, 2015, 166, 551-568.	1.5	28
43	Ribosomeâ€associated pentatricopeptide repeat proteins function as translational activators in mitochondria of trypanosomes. Molecular Microbiology, 2016, 99, 1043-1058.	2.5	28
44	Ancient origin of RNA editing in kinetoplastid protozoa. Current Opinion in Genetics and Development, 1994, 4, 887-894.	3.3	26
45	Probing for primary functions of prohibitin in Trypanosoma brucei. International Journal for Parasitology, 2010, 40, 73-83.	3.1	25
46	Organization of mini-exon and 5S rRNA genes in the kinetoplastid Trypanoplasma borreli. Molecular and Biochemical Parasitology, 1993, 61, 127-135.	1.1	24
47	RNA editing and mitochondrial activity in promastigotes and amastigotes of Leishmania donovani. International Journal for Parasitology, 2009, 39, 635-644.	3.1	24
48	The Importance of the 45 S Ribosomal Small Subunit-related Complex for Mitochondrial Translation in Trypanosoma brucei. Journal of Biological Chemistry, 2013, 288, 32963-32978.	3.4	24
49	Demonstration of mRNA editing and localization of guide RNA genes in kinetoplastâ€“mitochondria of the plant trypanosomatid Phytomonas serpens1Note: Nucleotide sequences from P. serpens 1G reported in this work were deposited in GenBankâ„¢ database with the following accession numbers: AF034624 (Sau3AI-cut minicircle), AF034625 (HindIII-cut minicircle), AF034626 (fully edited sequence of) Tj ETQq1 1 0.784314 rgBT /O	1.1	23
50	Parasitology, 1998, 93, 225-236 Leishmania tarentolae: A Parallel Isolation of Cytochrome bc1 and Cytochrome c Oxidase. Experimental Parasitology, 2000, 96, 160-167.	1.2	23
51	Kinetoplast DNA-encoded ribosomal protein S12. RNA Biology, 2013, 10, 1679-1688.	3.1	23
52	Complete set of mitochondrial pan-edited mRNAs in Leishmania mexicana amazonensis LV78. Molecular and Biochemical Parasitology, 2010, 173, 107-114.	1.1	22
53	[10] RNA editing in trypanosomatid mitochondria. Methods in Enzymology, 1996, 264, 99-121.	1.0	21
54	NADH-ubiquinone oxidoreductase activity in the kinetoplasts of the plant trypanosomatid Phytomonas serpens. Parasitology Research, 2004, 92, 341-346.	1.6	21

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55	Editing and misediting of transcripts of the kinetoplast maxicircle G5 (ND3) cryptogene in an old laboratory strain of Leishmania tarentolae. Molecular and Biochemical Parasitology, 1994, 68, 155-159.	1.1	20
56	Identification of the mitochondrially encoded subunit 6 of F1FO ATPase in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2015, 201, 135-138.	1.1	16
57	Unexpectedly high variability of the histone H4 gene in Leishmania. Parasitology Research, 2000, 86, 259-261.	1.6	11
58	Microbotryozyma collariae gen. nov., sp. nov., a basidiomycetous yeast isolated from a plant bug Collaria oleosa (Miridae). Antonie Van Leeuwenhoek, 2012, 102, 99-104.	1.7	11
59	U-insertion/deletion RNA editing multiprotein complexes and mitochondrial ribosomes in Leishmania tarentolae are located in antipodal nodes adjacent to the kinetoplast DNA. Mitochondrion, 2015, 25, 76-86.	3.4	7
60	Separating the Wheat from the Chaff: RNA Editing and Selection of Translatable mRNA in Trypanosome Mitochondria. Pathogens, 2019, 8, 105.	2.8	7
61	Strategies of Kinetoplastid Cryptogene Discovery and Analysis. Methods in Enzymology, 2007, 424, 127-139.	1.0	6
62	Searching for a Tree That Can be Trusted. Parasitology Today, 1998, 14, 334.	3.0	5
63	Mitochondrial Translation in Trypanosomatids. Nucleic Acids and Molecular Biology, 2012, , 215-236.	0.2	5
64	RSM22, mtYsxC and PNKD-like proteins are required for mitochondrial translation in Trypanosoma brucei. Mitochondrion, 2017, 34, 67-74.	3.4	3
65	Kinetoplast-Mitochondrial Translation System in Trypanosomatids. , 2013, , 133-157.		1