Citation Report
List of articles citing

Mitochondrial transcript maturation and its disorders

DOI: 10.1007/s10545-015-9859-z
Journal of Inherited Metabolic Disease, 2015, 38, 655-80.

#	Paper	IF	Citations
68	Deep sequencing of Danish Holstein dairy cattle for variant detection and insight into potential loss-of-function variants in protein coding genes. *BMC Genomics*, **2015**, 16, 1043	4.5	22
67	TRMT5 Mutations Cause a Defect in Post-transcriptional Modification of Mitochondrial tRNA Associated with Multiple Respiratory-Chain Deficiencies. *American Journal of Human Genetics*, **2015**, 97, 319-28	11	62
66	Two RNAs or DNAs May Artificially Fuse Together at a Short Homologous Sequence (SHS) during Reverse Transcription or Polymerase Chain Reactions, and Thus Reporting an SHS-Containing Chimeric RNA Requires Extra Caution. *PLoS ONE*, **2016**, 11, e0154855	3.7	11
65	Mitochondrial tRNA mutation with high-salt stimulation on cardiac damage: underlying mechanism associated with change of Bax and VDAC. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 311, H1248-H1257	5.2	6
64	Deficient methylation and formylation of mt-tRNA(Met) wobble cytosine in a patient carrying mutations in NSUN3. *Nature Communications*, **2016**, 7, 12039	17.4	124
63	Polyadenylation and degradation of RNA in the mitochondria. *Biochemical Society Transactions*, **2016**, 44, 1475-1482	5.1	14
62	Mouse models for mitochondrial diseases. *Human Molecular Genetics*, **2016**, 25, R115-R122	5.6	17
61	Organization and Regulation of Mitochondrial Protein Synthesis. *Annual Review of Biochemistry*, **2016**, 85, 77-101	29.1	155
60	Identification of LACTB2, a metallo-β-lactamase protein, as a human mitochondrial endoribonuclease. *Nucleic Acids Research*, **2016**, 44, 1813-32	20.1	29
59	The Pseudouridine Synthase RPUSD4 Is an Essential Component of Mitochondrial RNA Granules. *Journal of Biological Chemistry*, **2017**, 292, 4519-4532	5.4	54
58	Mitochondrial Mutations in Cardiac Disorders. *Advances in Experimental Medicine and Biology*, **2017**, 982, 81-111	3.6	18
57	Regulation of Mammalian Mitochondrial Gene Expression: Recent Advances. *Trends in Biochemical Sciences*, **2017**, 42, 625-639	10.3	97
56	Human mitochondrial nucleases. *FEBS Journal*, **2017**, 284, 1767-1777	5.7	13
55	Biallelic C1QBP Mutations Cause Severe Neonatal-, Childhood-, or Later-Onset Cardiomyopathy Associated with Combined Respiratory-Chain Deficiencies. *American Journal of Human Genetics*, **2017**, 101, 525-538	11	44
54	New insights into the phenotype of FARS2 deficiency. *Molecular Genetics and Metabolism*, **2017**, 122, 172-181	3.7	21
53	Defective mitochondrial rRNA methyltransferase MRM2 causes MELAS-like clinical syndrome. *Human Molecular Genetics*, **2017**, 26, 4257-4266	5.6	49
52	Dealing with an Unconventional Genetic Code in Mitochondria: The Biogenesis and Pathogenic Defects of the 5-Formylcytosine Modification in Mitochondrial tRNA. *Biomolecules*, **2017**, 7,	5.9	17

51	Defects in the mitochondrial-tRNA modification enzymes MTO1 and GTPBP3 promote different metabolic reprogramming through a HIF-PPAR□UCP2-AMPK axis. *Scientific Reports*, **2018**, 8, 1163	4.9	15
50	RNA modification landscape of the human mitochondrial tRNA regulates protein synthesis. *Nature Communications*, **2018**, 9, 3966	17.4	36
49	Mitochondrial RNA Turnover in Metazoa. *Nucleic Acids and Molecular Biology*, **2018**, 17-46		0
48	NSUN2 introduces 5-methylcytosines in mammalian mitochondrial tRNAs. *Nucleic Acids Research*, **2019**, 47, 8720-8733	20.1	41
47	Mitochondrial outer membrane voltage-dependent anion channel is involved in renal dysfunction in a spontaneously hypertensive rat carrying transfer RNA mutations. *European Journal of Pharmacology*, **2019**, 865, 172622	5.3	5
46	Mettl17, a regulator of mitochondrial ribosomal RNA modifications, is required for the translation of mitochondrial coding genes. *FASEB Journal*, **2019**, 33, 13040-13050	0.9	12
45	Hypertension-associated mitochondrial DNA 4401A>G mutation caused the aberrant processing of tRNAMet, all 8 tRNAs and ND6 mRNA in the light-strand transcript. *Nucleic Acids Research*, **2019**, 47, 10340-10356	20.1	12
44	METTL15 introduces N4-methylcytidine into human mitochondrial 12S rRNA and is required for mitoribosome biogenesis. *Nucleic Acids Research*, **2019**, 47, 10267-10281	20.1	44
43	Quantitative proteomics revealed C6orf203/MTRES1 as a factor preventing stress-induced transcription deficiency in human mitochondria. *Nucleic Acids Research*, **2019**, 47, 7502-7517	20.1	9
42	Transcription, Processing, and Decay of Mitochondrial RNA in Health and Disease. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	34
41	Mutations in ELAC2 associated with hypertrophic cardiomyopathy impair mitochondrial tRNA 3'-end processing. *Human Mutation*, **2019**, 40, 1731-1748	4.7	17
40	G-quadruplex dynamics contribute to regulation of mitochondrial gene expression. *Scientific Reports*, **2019**, 9, 5605	4.9	39
39	-GlcNAcylation alters the selection of mRNAs for translation and promotes 4E-BP1-dependent mitochondrial dysfunction in the retina. *Journal of Biological Chemistry*, **2019**, 294, 5508-5520	5.4	12
38	Recent topics: the diagnosis, molecular genesis, and treatment of mitochondrial diseases. *Journal of Human Genetics*, **2019**, 64, 113-125	4.3	28
37	The mammalian mitochondrial epitranscriptome. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2019**, 1862, 429-446	6	27
36	Fine-tuning of the respiratory complexes stability and supercomplexes assembly in cells defective of complex III. *Biochimica Et Biophysica Acta - Bioenergetics*, **2020**, 1861, 148133	4.6	10
35	Mitochondrial Gene Expression and Beyond-Novel Aspects of Cellular Physiology. *Cells*, **2019**, 9,	7.9	27
34	Epigenetics of Animal Personality: DNA Methylation Cannot Explain the Heritability of Exploratory Behavior in a Songbird. *Integrative and Comparative Biology*, **2020**, 60, 1517-1530	2.8	5

33	Asymmetrical effects of deafness-associated mitochondrial DNA 7516delA mutation on the processing of RNAs in the H-strand and L-strand polycistronic transcripts. *Nucleic Acids Research*, **2020**, 48, 11113-11129	20.1	7
32	Human REXO2 controls short mitochondrial RNAs generated by mtRNA processing and decay machinery to prevent accumulation of double-stranded RNA. *Nucleic Acids Research*, **2020**, 48, 5572-5590	20.1	10
31	Ccm1p is a 15S rRNA primary transcript processing factor as elucidated by a novel in vivo system in Saccharomyces cerevisiae. *Current Genetics*, **2020**, 66, 775-789	2.9	2
30	Mitochondrial dysfunction: An emerging link in the pathophysiology of polycystic ovary syndrome. *Mitochondrion*, **2020**, 52, 24-39	4.9	22
29	Mitoepigenetics and Its Emerging Roles in Cancer. *Frontiers in Cell and Developmental Biology*, **2020** , 8, 4	5.7	16
28	Human GTPBP5 is involved in the late stage of mitoribosome large subunit assembly. *Nucleic Acids Research*, **2021**, 49, 354-370	20.1	10
27	DNA transcription and translation in mitochondria. **2021**, 91-104		
26	Monitoring mitochondrial translation in living cells. *EMBO Reports*, **2021**, 22, e51635	6.5	6
25	Ablation of Mto1 in zebrafish exhibited hypertrophic cardiomyopathy manifested by mitochondrion RNA maturation deficiency. *Nucleic Acids Research*, **2021**, 49, 4689-4704	20.1	3
24	Engineering Genetic Systems for Treating Mitochondrial Diseases. *Pharmaceutics*, **2021**, 13,	6.4	2
23	Novel Mutations in the Gene for Mitochondrial Disease and Characteristics of Related Phenotypic Spectrum: The First Three Cases From China. *Frontiers in Genetics*, **2021**, 12, 611226	4.5	3
22	Human Mitochondrial RNA Processing and Modifications: Overview. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
21	Mechanistic insights into mitochondrial tRNA 3'-end metabolism deficiency. *Journal of Biological Chemistry*, **2021**, 297, 100816	5.4	7
20	Phase-separated bacterial ribonucleoprotein bodies organize mRNA decay. *Wiley Interdisciplinary Reviews RNA*, **2020**, 11, e1599	9.3	7
19	NLRX1 resides in mitochondrial RNA granules and regulates mitochondrial RNA processing and bioenergetic adaptation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2018**, 1865, 1260-1276	4.9	20
18	Dedicated surveillance mechanism controls G-quadruplex forming non-coding RNAs in human mitochondria. *Nature Communications*, **2018**, 9, 2558	17.4	49
17	A dynamic actin-dependent nucleoskeleton and cell identity. *Journal of Biochemistry*, **2021**, 169, 243-257	3.1	9
16	Reconstitution of mammalian mitochondrial translation system capable of correct initiation and long polypeptide synthesis from leaderless mRNA. *Nucleic Acids Research*, **2021**, 49, 371-382	20.1	4

15	A new member in the Argonaute crew: the mt-miRNAs.		1
14	G-quadruplex dynamics contribute to epigenetic regulation of mitochondrial function.		2
13	Mitochondrial translation defects and human disease. *Journal of Translational Genetics and Genomics*, **2020**, 4, 71-80	1.7	1
12	Maturation of selected human mitochondrial tRNAs requires deadenylation. *ELife*, **2017**, 6,	8.9	43
11	Mutational Analysis and mtDNA Haplogroup Characterization in Three Serbian Cases of Mitochondrial Encephalomyopathies and Literature Review. *Diagnostics*, **2021**, 11,	3.8	0
10	Mitochondrial RNase P Complex in Animals: Mitochondrial tRNA Processing and Links to Disease. *Nucleic Acids and Molecular Biology*, **2018**, 47-71		0
9	Mutations in ELAC2 associated with hypertrophic cardiomyopathy impair mitochondrial tRNA 3′-end processing.		
8	Genetic Basis of Mitochondrial Cardiomyopathy. *Cardiac and Vascular Biology*, **2019**, 93-139	0.2	1
7	NSUN2 introduces 5-methylcytosines in mammalian mitochondrial tRNAs.		
6	Mitochondrial Nucleic Acid as a Driver of Pathogenic Type I Interferon Induction in Mendelian Disease. *Frontiers in Immunology*, **2021**, 12, 729763	8.4	2
5	Mitochondrial Nucleic Acid as a Driver of Pathogenic Type I Interferon Induction in Mendelian Disease. *Frontiers in Immunology*, **2021**, 12, 729763	8.4	4
4	Mitochondria and mitochondrial disorders: an overview update. *Endocrine Regulations*, **2022**, 56, 232-248	1.9	0
3	Post-transcriptional regulation of genes and mitochondrial disorder. **2022**, 343-364		0
2	ANGEL2 phosphatase activity is required for non-canonical mitochondrial RNA processing. **2022**, 13,		0
1	Genetic Networks of Alzheimer's Disease, Aging, and Longevity in Humans. **2023**, 24, 5178		0