

CITATION REPORT

List of articles citing

Making proteins in the powerhouse

DOI: 10.1016/j.cmet.2014.07.001
Cell Metabolism, 2014, 20, 226-40.

Source: <https://exaly.com/paper-pdf/59349315/citation-report.pdf>

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
159	The respiratory chain supercomplex organization is independent of COX7a2l isoforms. <i>Cell Metabolism</i> , 2014 , 20, 1069-75	24.6	69
158	Mitochondrial disease in adults: what's old and what's new?. 2015 , 7, 1503-12		88
157	MITRAC7 Acts as a COX1-Specific Chaperone and Reveals a Checkpoint during Cytochrome c Oxidase Assembly. 2015 , 12, 1644-55		38
156	Structure of mitochondrial poly(A) RNA polymerase reveals the structural basis for dimerization, ATP selectivity and the SPAX4 disease phenotype. <i>Nucleic Acids Research</i> , 2015 , 43, 9065-75	20.1	19
155	Rapamycin does not prevent increases in myofibrillar or mitochondrial protein synthesis following endurance exercise. 2015 , 593, 4275-84		46
154	SLIRP Regulates the Rate of Mitochondrial Protein Synthesis and Protects LRPPRC from Degradation. <i>PLoS Genetics</i> , 2015 , 11, e1005423	6	52
153	Overexpression of the mitochondrial methyltransferase TFB1M in the mouse does not impact mitoribosomal methylation status or hearing. 2015 , 24, 7286-94		7
152	Structure of the nuclease subunit of human mitochondrial RNase P. <i>Nucleic Acids Research</i> , 2015 , 43, 5664-72	20.1	37
151	Human mitochondrial COX1 assembly into cytochrome c oxidase at a glance. 2015 , 128, 833-7		57
150	Organization of Mitochondrial Gene Expression in Two Distinct Ribosome-Containing Assemblies. 2015 , 10, 843-853		64
149	Mitochondrial biology. Replication-transcription switch in human mitochondria. 2015 , 347, 548-51		115
148	Protein structure. Structure and activity of tryptophan-rich TSPO proteins. 2015 , 347, 551-5		124
147	RMND1 deficiency associated with neonatal lactic acidosis, infantile onset renal failure, deafness, and multiorgan involvement. 2015 , 23, 1301-7		20
146	MTO1 mediates tissue specificity of OXPHOS defects via tRNA modification and translation optimization, which can be bypassed by dietary intervention. 2015 , 24, 2247-66		39
145	Structural modeling of tissue-specific mitochondrial alanyl-tRNA synthetase (AARS2) defects predicts differential effects on aminoacylation. 2015 , 6, 21		35
144	Keep the fire burning: Current avenues in the quest of treating mitochondrial disorders. <i>Mitochondrion</i> , 2015 , 24, 32-49	4.9	12
143	Exposure to arginine analog canavanine induces aberrant mitochondrial translation products, mitoribosome stalling, and instability of the mitochondrial proteome. 2015 , 65, 268-74		11

142	The 55S mammalian mitochondrial ribosome and its tRNA-exit region. 2015 , 114, 119-26		16
141	Mitophagy and the mitochondrial unfolded protein response in neurodegeneration and bacterial infection. 2015 , 13, 22		58
140	A little less leads to lots more. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 350-1	17.6	
139	A mitochondria-specific isoform of FASTK is present in mitochondrial RNA granules and regulates gene expression and function. 2015 , 10, 1110-21		60
138	A model for transcription initiation in human mitochondria. <i>Nucleic Acids Research</i> , 2015 , 43, 3726-35	20.1	45
137	Integrating mitochondrial translation into the cellular context. 2015 , 16, 586-92		46
136	Mitochondrial Cardiomyopathies. 2016 , 3, 25		104
135	Molecular Genetics of OXPHOS Disorders. 2016 , 1-10		
134	Translational machinery of mitochondrial mRNA is promoted by physical activity in Western diet-induced obese mice. 2016 , 218, 167-177		15
133	Splicing Defect in Mitochondrial Seryl-tRNA Synthetase Gene Causes Progressive Spastic Paresis Instead of HUPRA Syndrome. 2016 , 37, 884-8		14
132	The Protein Biosynthetic Machinery of Mitochondria. 2016 , 545-554		
131	Human polypyrimidine tract-binding protein interacts with mitochondrial tRNA(Thr) in the cytosol. <i>Nucleic Acids Research</i> , 2016 , 44, 1342-53	20.1	12
130	Human Mitochondrial Transcription Initiation Complexes Have Similar Topology on the Light and Heavy Strand Promoters. 2016 , 291, 13432-5		12
129	A Hypertension-Associated tRNA ^{Ala} Mutation Alters tRNA Metabolism and Mitochondrial Function. 2016 , 36, 1920-30		44
128	NSUN3 methylase initiates 5-formylcytidine biogenesis in human mitochondrial tRNA(Met). 2016 , 12, 546-51		102
127	Mitochondrial translation factors reflect coordination between organelles and cytoplasmic translation via mTOR signaling: Implication in disease. 2016 , 100, 231-237		7
126	Unraveling the complexity of mitochondrial complex I assembly: A dynamic process. 2016 , 1857, 980-90		81
125	Mitochondrial Protein Synthesis Adapts to Influx of Nuclear-Encoded Protein. <i>Cell</i> , 2016 , 167, 471-483.e16.2	16.2	97

124	The methyl donor S-adenosylmethionine prevents liver hypoxia and dysregulation of mitochondrial bioenergetic function in a rat model of alcohol-induced fatty liver disease. 2016 , 9, 188-197		32
123	Coordination of Two Genomes by Mitochondrial Translational Plasticity. <i>Cell</i> , 2016 , 167, 308-310	56.2	8
122	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. 2016 , 16, 1874-90		80
121	Mitochondrial tRNA mutations in 2070 Chinese Han subjects with hypertension. <i>Mitochondrion</i> , 2016 , 30, 208-21	4.9	25
120	Loss of the RNA-binding protein TACO1 causes late-onset mitochondrial dysfunction in mice. <i>Nature Communications</i> , 2016 , 7, 11884	17.4	57
119	POLRMT regulates the switch between replication primer formation and gene expression of mammalian mtDNA. 2016 , 2, e1600963		58
118	SLIRP stabilizes LRPPRC via an RRM-PPR protein interface. <i>Nucleic Acids Research</i> , 2016 , 44, 6868-82	20.1	24
117	Organization and Regulation of Mitochondrial Protein Synthesis. 2016 , 85, 77-101		155
116	Chatty Mitochondria: Keeping Balance in Cellular Protein Homeostasis. 2016 , 26, 577-586		47
115	Maintenance and Expression of Mammalian Mitochondrial DNA. 2016 , 85, 133-60		329
114	Mitochondrial function in hypoxic ischemic injury and influence of aging. 2017 , 157, 92-116		162
113	Novel mutation in mitochondrial Elongation Factor EF-Tu associated to dysplastic leukoencephalopathy and defective mitochondrial DNA translation. 2017 , 1863, 961-967		7
112	The Pseudouridine Synthase RPU4 is an Essential Component of Mitochondrial RNA Granules. 2017 , 292, 4519-4532		54
111	Simultaneous processing and degradation of mitochondrial RNAs revealed by circularized RNA sequencing. <i>Nucleic Acids Research</i> , 2017 , 45, 5487-5500	20.1	24
110	Control of mitochondrial biogenesis and function by the ubiquitin-proteasome system. 2017 , 7,		104
109	Plasticity of Mitochondrial Translation. 2017 , 27, 712-721		30
108	Targeting RNA helicases in cancer: The translation trap. 2017 , 1868, 510-520		35
107	The MRPP1/MRPP2 complex is a tRNA-maturation platform in human mitochondria. <i>Nucleic Acids Research</i> , 2017 , 45, 12469-12480	20.1	30

106	Adult-onset obesity is triggered by impaired mitochondrial gene expression. 2017 , 3, e1700677		25
105	Recent Advances in Mitochondrial Aminoacyl-tRNA Synthetases and Disease. 2017 , 23, 693-708		94
104	Mammalian mitochondrial RNAs are degraded in the mitochondrial intermembrane space by RNASET2. 2017 , 8, 735-749		26
103	LRPPRC-mediated folding of the mitochondrial transcriptome. <i>Nature Communications</i> , 2017 , 8, 1532	17.4	50
102	Dealing with an Unconventional Genetic Code in Mitochondria: The Biogenesis and Pathogenic Defects of the 5-Formylcytosine Modification in Mitochondrial tRNA. 2017 , 7,		17
101	Proteome Imbalance of Mitochondrial Electron Transport Chain in Brown Adipocytes Leads to Metabolic Benefits. <i>Cell Metabolism</i> , 2018 , 27, 616-629.e4	24.6	22
100	Epigenetic modifiers promote mitochondrial biogenesis and oxidative metabolism leading to enhanced differentiation of neuroprogenitor cells. 2018 , 9, 360		19
99	Cerberus Nanoparticles: Cotargeting of Mitochondrial DNA and Mitochondrial Topoisomerase I in Breast Cancer Cells. 2018 , 1, 2195-2205		7
98	PTCD1 Is Required for 16S rRNA Maturation Complex Stability and Mitochondrial Ribosome Assembly. 2018 , 23, 127-142		29
97	High-resolution structures of mitochondrial ribosomes and their functional implications. 2018 , 49, 44-53		29
96	Editing activity for eliminating mischarged tRNAs is essential in mammalian mitochondria. <i>Nucleic Acids Research</i> , 2018 , 46, 849-860	20.1	20
95	Regulation of a minimal transcriptome by repeat domain proteins. 2018 , 76, 132-141		4
94	The mitochondrial TMEM177 associates with COX20 during COX2 biogenesis. 2018 , 1865, 323-333		17
93	Building a complex complex: Assembly of mitochondrial respiratory chain complex I. 2018 , 76, 154-162		95
92	Expanding the Coding Potential of Vertebrate Mitochondrial Genomes: Lesson Learned from the Atlantic Cod. 2018 ,		2
91	Pathways to balance mitochondrial translation and protein import. 2018 , 32, 1285-1296		36
90	Pathogenic variants in glutamyl-tRNA amidotransferase subunits cause a lethal mitochondrial cardiomyopathy disorder. <i>Nature Communications</i> , 2018 , 9, 4065	17.4	24
89	Mutations of mitochondrial DNA are not major contributors to aging of fruit flies. 2018 , 115, E9620-E9629		22

88	Is mitochondrial gene expression coordinated or stochastic?. <i>Biochemical Society Transactions</i> , 2018 , 46, 1239-1246	5.1	12
87	Lon protease inactivation in causes unfolded protein stress and inhibition of mitochondrial translation. 2018 , 4, 51		14
86	Exercise-induced mitochondrial biogenesis coincides with the expression of mitochondrial translation factors in murine skeletal muscle. 2018 , 6, e13893		13
85	Analysis of Mitochondrial Protein Synthesis: De Novo Translation, Steady-State Levels, and Assembled OXPHOS Complexes. 2018 , 77, e56		1
84	EXD2: A new regulator of mitochondrial translation and potential target for cancer therapy. 2018 , 5, e1445943		
83	Dynamic association of human mRNP proteins with mitochondrial tRNAs in the cytosol. 2018 , 24, 1706-1720		6
82	Future of human mitochondrial DNA editing technologies. 2019 , 30, 214-221		15
81	Mammalian NSUN2 introduces 5-methylcytidines into mitochondrial tRNAs. <i>Nucleic Acids Research</i> , 2019 , 47, 8734-8745	20.1	34
80	SEN1-Sirt3 Signaling Controls Mitochondrial Protein Acetylation and Metabolism. 2019 , 75, 823-834.e5		48
79	Beyond the unwinding: role of TOP1MT in mitochondrial translation. 2019 , 18, 2377-2384		7
78	MitoRibo-Tag Mice Provide a Tool for In Vivo Studies of Mitoribosome Composition. 2019 , 29, 1728-1738.e9		12
77	When a common biological role does not imply common disease outcomes: Disparate pathology linked to human mitochondrial aminoacyl-tRNA synthetases. 2019 , 294, 5309-5320		31
76	From Normal to Obesity and Back: The Associations between Mitochondrial DNA Copy Number, Gender, and Body Mass Index. <i>Cells</i> , 2019 , 8,	7.9	17
75	Mutations in ELAC2 associated with hypertrophic cardiomyopathy impair mitochondrial tRNA 3'-end processing. 2019 , 40, 1731-1748		17
74	The secret messages between mitochondria and nucleus in muscle cell biology. 2019 , 666, 52-62		15
73	PTCD1 Is Required for Mitochondrial Oxidative-Phosphorylation: Possible Genetic Association with Alzheimer's Disease. 2019 , 39, 4636-4656		11
72	Contribution of a mitochondrial tyrosyl-tRNA synthetase mutation to the phenotypic expression of the deafness-associated tRNA 7511A>G mutation. 2019 , 294, 19292-19305		12
71	Mitochondrial ribosomal protein PTCD3 mutations cause oxidative phosphorylation defects with Leigh syndrome. 2019 , 20, 9-25		23

70	Mitochondrial Morphofunction in Mammalian Cells. 2019 , 30, 2066-2109		43
69	Mitochondrial energy generation disorders: genes, mechanisms, and clues to pathology. 2019 , 294, 5386-5395	125	
68	Molecular Wiring of a Mitochondrial Translational Feedback Loop. 2020 , 77, 887-900.e5		9
67	MITRAC15/COA1 promotes mitochondrial translation in a ND2 ribosome-nascent chain complex. 2020 , 21, e48833		19
66	Manipulating and elucidating mitochondrial gene expression with engineered proteins. 2020 , 375, 20190185		3
65	mitoXplorer, a visual data mining platform to systematically analyze and visualize mitochondrial expression dynamics and mutations. <i>Nucleic Acids Research</i> , 2020 , 48, 605-632	20.1	15
64	Asymmetrical effects of deafness-associated mitochondrial DNA 7516delA mutation on the processing of RNAs in the H-strand and L-strand polycistronic transcripts. <i>Nucleic Acids Research</i> , 2020 , 48, 11113-11129	20.1	7
63	Mechanisms of protection of retinal pigment epithelial cells from oxidant injury by humanin and other mitochondrial-derived peptides: Implications for age-related macular degeneration. 2020 , 37, 101663		8
62	Complete chemical structures of human mitochondrial tRNAs. <i>Nature Communications</i> , 2020 , 11, 4269	17.4	50
61	Development of Delpazolid for the Treatment of Tuberculosis. 2020 , 10, 2211		10
60	Mitochondria dysfunction in the pathogenesis of Alzheimer's disease: recent advances. 2020 , 15, 30		192
59	Mitochondrial diseases in adults. <i>Journal of Internal Medicine</i> , 2020 , 287, 592-608	10.8	16
58	The Similarities between Human Mitochondria and Bacteria in the Context of Structure, Genome, and Base Excision Repair System. <i>Molecules</i> , 2020 , 25,	4.8	18
57	Mitochondrial DNA targeting and impairment by a dinuclear IrPt complex that overcomes cisplatin resistance. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1864-1871	6.8	16
56	Mitochondrial Gene Expression. <i>Methods in Molecular Biology</i> , 2021 ,	1.4	1
55	CCA-Addition Gone Wild: Unusual Occurrence and Phylogeny of Four Different tRNA Nucleotidyltransferases in <i>Acanthamoeba castellanii</i> . <i>Molecular Biology and Evolution</i> , 2021 , 38, 1006-1017	8.3	
54	Mitochondrial biogenesis and mitophagy. 2021 , 35-90		1
53	Loss of COX4I1 Leads to Combined Respiratory Chain Deficiency and Impaired Mitochondrial Protein Synthesis. <i>Cells</i> , 2021 , 10,	7.9	8

52	Structural basis for late maturation steps of the human mitoribosomal large subunit.		1
51	Structural basis for late maturation steps of the human mitoribosomal large subunit. <i>Nature Communications</i> , 2021 , 12, 3673	17.4	7
50	Mitochondrial Protein Translation: Emerging Roles and Clinical Significance in Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 675465	5.7	4
49	Mitoribosome assembly comes into view. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 631-633	17.6	0
48	Nanoparticle-Mediated Routing of Antibiotics into Mitochondria in Cancer Cells.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 6799-6806	4.1	1
47	The roles of assembly factors in mammalian mitoribosome biogenesis. <i>Mitochondrion</i> , 2021 , 60, 70-84	4.9	2
46	Mitochondrial proteins in heart failure: The role of deacetylation by SIRT3. <i>Pharmacological Research</i> , 2021 , 172, 105802	10.2	3
45	The heterogeneity among subgroups of haplogroup J influencing Alzheimer's disease risk. <i>Journal of Advanced Research</i> , 2021 , 33, 117-126	13	1
44	Mitochondrial Structure and Bioenergetics in Normal and Disease Conditions. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	25
43	Mitochondrial Genome Engineering: The Revolution May Not Be CRISPR-ized. <i>Trends in Genetics</i> , 2018 , 34, 101-110	8.5	145
42	Blackout in the powerhouse: clinical phenotypes associated with defects in the assembly of OXPHOS complexes and the mitoribosome. <i>Biochemical Journal</i> , 2020 , 477, 4085-4132	3.8	17
41	The road to the structure of the mitochondrial respiratory chain supercomplex. <i>Biochemical Society Transactions</i> , 2020 , 48, 621-629	5.1	8
40	Reconstitution of mammalian mitochondrial translation system capable of correct initiation and long polypeptide synthesis from leaderless mRNA. <i>Nucleic Acids Research</i> , 2021 , 49, 371-382	20.1	4
39	Cocaine-induced neuron subtype mitochondrial dynamics through Egr3 transcriptional regulation.		3
38	mitoXplorer, a visual data mining platform to systematically analyze and visualize mitochondrial expression dynamics and mutations.		1
37	A catalog of homoplasmic and heteroplasmic mitochondrial DNA variants in humans.		12
36	Mitochondrial fidelity and metabolic agility control immune cell fate and function. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3651-3661	15.9	16
35	Mitochondrial dysfunction induces RNA interference in <i>C. elegans</i> through a pathway homologous to the mammalian RIG-I antiviral response. <i>PLoS Biology</i> , 2020 , 18, e3000996	9.7	3

34	Mitochondrial diseases: expanding the diagnosis in the era of genetic testing. <i>Journal of Translational Genetics and Genomics</i> , 2020 , 4, 384-428	1.7	5
33	Energizing Genetics and Epi-genetics: Role in the Regulation of Mitochondrial Function. <i>Current Genomics</i> , 2014 , 15, 436-56	2.6	9
32	Impact of Reactive Oxygen Species and G-Quadruplexes in Telomeres and Mitochondria. <i>Creative Economy</i> , 2021 , 249-274	0.6	
31	An in vitro system to silence mitochondrial gene expression. <i>Cell</i> , 2021 , 184, 5824-5837.e15	56.2	6
30	Mutations in ELAC2 associated with hypertrophic cardiomyopathy impair mitochondrial tRNA 3' end processing.		
29	Improved Mammalian Mitochondrial RNA Isolation. <i>Bio-protocol</i> , 2019 , 9, e3247	0.9	
28	Brown adipocyte NOSEMPE promotes nonmitochondrial thermogenesis and improves systemic metabolism through ATF4 activation.		
27	Mammalian NSUN2 introduces 5-methylcytidines into mitochondrial tRNAs.		
26	Loss of COX4i1 leads to combined respiratory chain deficiency and impaired mitochondrial proteosynthesis.		
25	Induction of RNA interference by <i>C. elegans</i> mitochondrial dysfunction via the DRH-1/RIG-I homologue RNA helicase and the EOL-1/RNA decapping enzyme.		
24	The FASTK family proteins fine-tune mitochondrial RNA processing. <i>PLoS Genetics</i> , 2021 , 17, e1009873	6	3
23	Investigating Mitochondrial Transcriptomes and RNA Processing Using Circular RNA Sequencing. <i>Methods in Molecular Biology</i> , 2021 , 2192, 43-57	1.4	0
22	Mass Spectrometric Analysis of Mitochondrial RNA Modifications. <i>Methods in Molecular Biology</i> , 2021 , 2192, 89-101	1.4	1
21	Late onset of type 2 diabetes is associated with mitochondrial tRNA A5514G and tRNA C12237T mutations. <i>Journal of Clinical Laboratory Analysis</i> , 2021 , 36, e24102	3	2
20	Associations of m.5178C>A variant with serum lipids levels: A systematic review and meta-analysis. <i>Bioscience Reports</i> , 2021 ,	4.1	0
19	Complexome Profiling-Exploring Mitochondrial Protein Complexes in Health and Disease.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 796128	5.7	1
18	Chimeric nanoparticles for targeting mitochondria in cancer cells. <i>Nanoscale Advances</i> ,	5.1	0
17	Molecular Mechanisms of Interactions between Mitochondria and the Endoplasmic Reticulum: A New Look at How Important Cell Functions are Supported. <i>Molecular Biology</i> , 2022 , 56, 59-71	1.2	0

16	Mitochondrien: wie die Gene im Kraftwerk der Zelle aktiviert werden. <i>BioSpektrum</i> , 2022 , 28, 18-20	0.1	
15	Overexpression of cytosolic long noncoding RNA cytb protects against pressure-overload-induced heart failure via sponging microRNA-103-3p.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 27, 1127-1145	10.7	0
14	Carbon starvation, senescence and specific mitochondrial stresses, but not nitrogen starvation and general stresses, are major triggers for mitophagy in Arabidopsis.. <i>Autophagy</i> , 2022 ,	10.2	0
13	Defining the interactome of the human mitochondrial ribosome identifies SMIM4 and TMEM223 as respiratory chain assembly factors.. <i>ELife</i> , 2021 , 10,	8.9	1
12	Organization and expression of the mammalian mitochondrial genome.. <i>Nature Reviews Genetics</i> , 2022 ,	30.1	1
11	Non-coding 7S RNA inhibits transcription via mitochondrial RNA polymerase dimerization. <i>Cell</i> , 2022 ,	56.2	0
10	LONP1 downregulation with ageing contributes to osteoarthritis via mitochondrial dysfunction. 2022 , 191, 176-190		1
9	Non-canonical phosphoglycerate dehydrogenase activity promotes liver cancer growth via mitochondrial translation and respiratory metabolism.		0
8	AAA+ proteases: the first line of defense against mitochondrial damage. 10, e14350		0
7	Selective degradation of tRNASer(AGY) is the primary driver for mitochondrial seryl-tRNA synthetase-related disease.		0
6	Research Progress on Mitochondrial Dysfunction in Diabetic Retinopathy. 2022 , 11, 2250		0
5	Mitochondria-derived peptide MOTS-c: effects and mechanisms related to stress, metabolism and aging. 2023 , 21,		1
4	PET117 Modulates Mitochondrial-encoded COX1 Translation by stabilizing TACO1.		0
3	Restoration of mitochondrial function through activation of hypomodified tRNAs with pathogenic mutations associated with mitochondrial diseases.		0
2	Cleavage kinetics of human mitochondrial RNase P and contribution of its non-nuclease subunits.		0
1	Genetic Variability of HUPRA Syndrome – Case Report. 2023 , 3, 196-203		0