

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5017952/jan-w-taanman-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. 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.

117 papers	7,518 citations	43 h-index	86 g-index
126 ext. papers	8,205 ext. citations	6.1 avg, IF	5.72 L-index

#	Paper	IF	Citations
117	The mitochondrial genome: structure, transcription, translation and replication. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999 , 1410, 103-23	4.6	940
116	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. <i>Human Molecular Genetics</i> , 2010 , 19, 4861-70	5.6	680
115	Biochemical abnormalities and excitotoxicity in Huntington's disease brain. <i>Annals of Neurology</i> , 1999 , 45, 25-32	9.4	393
114	Parkinson's disease induced pluripotent stem cells with triplication of the β -synuclein locus. <i>Nature Communications</i> , 2011 , 2, 440	17.4	328
113	Mitochondrial DNA transmission of the mitochondrial defect in Parkinson's disease. <i>Annals of Neurology</i> , 1998 , 44, 177-86	9.4	278
112	A mutant mitochondrial respiratory chain assembly protein causes complex III deficiency in patients with tubulopathy, encephalopathy and liver failure. <i>Nature Genetics</i> , 2001 , 29, 57-60	36.3	262
111	Cytochrome c oxidase subunit I microdeletion in a patient with motor neuron disease. <i>Annals of Neurology</i> , 1998 , 43, 110-6	9.4	226
110	A mutation in the human heme A:farnesyltransferase gene (COX10) causes cytochrome c oxidase deficiency. <i>Human Molecular Genetics</i> , 2000 , 9, 1245-9	5.6	223
109	Assembly of cytochrome-c oxidase in cultured human cells. <i>FEBS Journal</i> , 1998 , 254, 389-94		193
108	Expression of mutant alpha-synuclein causes increased susceptibility to dopamine toxicity. <i>Human Molecular Genetics</i> , 2000 , 9, 2683-9	5.6	166
107	Silencing of PINK1 expression affects mitochondrial DNA and oxidative phosphorylation in dopaminergic cells. <i>PLoS ONE</i> , 2009 , 4, e4756	3.7	147
106	Dominant inheritance of premature ovarian failure associated with mutant mitochondrial DNA polymerase gamma. <i>Human Reproduction</i> , 2006 , 21, 2467-73	5.7	132
105	Status epilepticus in children with Alpers' disease caused by POLG1 mutations: EEG and MRI features. <i>Epilepsia</i> , 2009 , 50, 1596-607	6.4	123
104	A missense mutation of cytochrome oxidase subunit II causes defective assembly and myopathy. <i>American Journal of Human Genetics</i> , 1999 , 65, 1030-9	11	120
103	Molecular mechanisms in mitochondrial DNA depletion syndrome. <i>Human Molecular Genetics</i> , 1997 , 6, 935-42	5.6	112
102	Mammalian cytochrome-c oxidase: characterization of enzyme and immunological detection of subunits in tissue extracts and whole cells. <i>Methods in Enzymology</i> , 1995 , 260, 117-32	1.7	109
101	Cytochrome c oxidase subassemblies in fibroblast cultures from patients carrying mutations in COX10, SCO1, or SURF1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7462-9	5.4	102

100	Liver failure associated with mitochondrial DNA depletion. <i>Journal of Hepatology</i> , 1998 , 28, 556-63	13.4	95
99	A novel frameshift mutation of the mtDNA COIII gene leads to impaired assembly of cytochrome c oxidase in a patient affected by Leigh-like syndrome. <i>Human Molecular Genetics</i> , 2000 , 9, 2733-42	5.6	93
98	Differential effects of PINK1 nonsense and missense mutations on mitochondrial function and morphology. <i>Experimental Neurology</i> , 2009 , 219, 266-73	5.7	90
97	Expression of mtDNA and nDNA encoded respiratory chain proteins in chemically and genetically-derived Rho0 human fibroblasts: a comparison of subunit proteins in normal fibroblasts treated with ethidium bromide and fibroblasts from a patient with mtDNA depletion syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1997 , 1362, 145-59	6.9	86
96	NDUFA4 mutations underlie dysfunction of a cytochrome c oxidase subunit linked to human neurological disease. <i>Cell Reports</i> , 2013 , 3, 1795-805	10.6	85
95	NDUFA4 Mutations Underlie Dysfunction of a Cytochrome c Oxidase Subunit Linked to Human Neurological Disease. <i>Cell Reports</i> , 2013 , 4, 402	10.6	78
94	Replication of mitochondrial DNA occurs throughout the mitochondria of cultured human cells. <i>Experimental Cell Research</i> , 2003 , 289, 133-42	4.2	76
93	FOXRED1, encoding an FAD-dependent oxidoreductase complex-I-specific molecular chaperone, is mutated in infantile-onset mitochondrial encephalopathy. <i>Human Molecular Genetics</i> , 2010 , 19, 4837-47	5.6	73
92	Mitochondrial DNA depletion can be prevented by dGMP and dAMP supplementation in a resting culture of deoxyguanosine kinase-deficient fibroblasts. <i>Human Molecular Genetics</i> , 2003 , 12, 1839-45	5.6	71
91	Clinical, biochemical and morphological features of hepatocerebral syndrome with mitochondrial DNA depletion due to deoxyguanosine kinase deficiency. <i>Journal of Hepatology</i> , 2005 , 43, 333-41	13.4	69
90	Human cytochrome c oxidase: structure, function, and deficiency. <i>Journal of Bioenergetics and Biomembranes</i> , 1997 , 29, 151-63	3.7	68
89	Pathogenic Parkinson's disease mutations across the functional domains of LRRK2 alter the autophagic/lysosomal response to starvation. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 441, 862-6	3.4	66
88	Decreased brain protein levels of cytochrome oxidase subunits in Alzheimer's disease and in hereditary spinocerebellar ataxia disorders: a nonspecific change?. <i>Journal of Neurochemistry</i> , 1999 , 72, 700-7	6	62
87	Signal transducer and activator of transcription 2 deficiency is a novel disorder of mitochondrial fission. <i>Brain</i> , 2015 , 138, 2834-46	11.2	59
86	HIBCH mutations can cause Leigh-like disease with combined deficiency of multiple mitochondrial respiratory chain enzymes and pyruvate dehydrogenase. <i>Orphanet Journal of Rare Diseases</i> , 2013 , 8, 188	4.2	57
85	Mutations in the mitochondrial complex I assembly factor NDUFAF1 cause fatal infantile hypertrophic cardiomyopathy. <i>Journal of Medical Genetics</i> , 2011 , 48, 691-7	5.8	55
84	Regulation of cytochrome c oxidase by interaction of ATP at two binding sites, one on subunit VIa. <i>Biochemistry</i> , 1994 , 33, 11833-41	3.2	51
83	Mitochondrial single-stranded DNA binding protein is required for maintenance of mitochondrial DNA and 7S DNA but is not required for mitochondrial nucleoid organisation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010 , 1803, 931-9	4.9	50

82	TRNT1 deficiency: clinical, biochemical and molecular genetic features. <i>Orphanet Journal of Rare Diseases</i> , 2016 , 11, 90	4.2	50
81	A LON-ClpP Proteolytic Axis Degrades Complex I to Extinguish ROS Production in Depolarized Mitochondria. <i>Cell Reports</i> , 2016 , 17, 2522-2531	10.6	49
80	Influence of mitochondrial DNA level on cellular energy metabolism: implications for mitochondrial diseases. <i>Journal of Bioenergetics and Biomembranes</i> , 2008 , 40, 59-67	3.7	48
79	Altered gene expression and functions of mitochondria in human nephrotic syndrome. <i>FASEB Journal</i> , 1999 , 13, 523-32	0.9	47
78	Analysis of mutant DNA polymerase gamma in patients with mitochondrial DNA depletion. <i>Human Mutation</i> , 2009 , 30, 248-54	4.7	46
77	Mitochondrial DNA depletion syndrome is expressed in amniotic fluid cell cultures. <i>American Journal of Pathology</i> , 1999 , 155, 67-70	5.8	45
76	Regulation of the expression of mitochondrial proteins: relationship between mtDNA copy number and cytochrome-c oxidase activity in human cells and tissues. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993 , 1144, 177-83	4.6	45
75	A Human Neural Crest Stem Cell-Derived Dopaminergic Neuronal Model Recapitulates Biochemical Abnormalities in GBA1 Mutation Carriers. <i>Stem Cell Reports</i> , 2017 , 8, 728-742	8	42
74	Depletion of mitochondrial DNA in the liver of an infant with neonatal giant cell hepatitis. <i>Human Pathology</i> , 2002 , 33, 247-53	3.7	42
73	Somatic copy number gains of Synuclein (SNCA) in Parkinson's disease and multiple system atrophy brains. <i>Brain</i> , 2018 , 141, 2419-2431	11.2	41
72	Kearns-Sayre syndrome caused by defective R1/p53R2 assembly. <i>Journal of Medical Genetics</i> , 2011 , 48, 610-7	5.8	41
71	Mutant torsinA, which causes early-onset primary torsion dystonia, is redistributed to membranous structures enriched in vesicular monoamine transporter in cultured human SH-SY5Y cells. <i>Movement Disorders</i> , 2005 , 20, 432-440	7	41
70	Subunit specific monoclonal antibodies show different steady-state levels of various cytochrome-c oxidase subunits in chronic progressive external ophthalmoplegia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1996 , 1315, 199-207	6.9	41
69	A novel mutation in the deoxyguanosine kinase gene causing depletion of mitochondrial DNA. <i>Annals of Neurology</i> , 2002 , 52, 237-9	9.4	39
68	Steady-state transcript levels of cytochrome c oxidase genes during human myogenesis indicate subunit switching of subunit VIa and co-expression of subunit VIIa isoforms. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1992 , 1139, 155-62	6.9	39
67	Myoclonus-dystonia syndrome with severe depression is caused by an exon-skipping mutation in the epsilon-sarcoglycan gene. <i>Movement Disorders</i> , 2007 , 22, 1173-5	7	38
66	Phenotypic variability of mitochondrial disease caused by a nuclear mutation in complex II. <i>Molecular Genetics and Metabolism</i> , 2006 , 89, 214-21	3.7	38
65	Creation of an open-access, mutation-defined fibroblast resource for neurological disease research. <i>PLoS ONE</i> , 2012 , 7, e43099	3.7	35

64	Analysis of the trinucleotide CAG repeat from the DNA polymerase gamma gene (POLG) in patients with Parkinson's disease. <i>Neuroscience Letters</i> , 2005 , 376, 56-9	3.3	35
63	Kinetic properties of mutant deoxyguanosine kinase in a case of reversible hepatic mtDNA depletion. <i>Biochemical Journal</i> , 2007 , 402, 377-85	3.8	34
62	Odour-conditioned anemotaxis of apterous aphids (<i>Cryptomyzus korschelti</i>) in response to host plants. <i>Physiological Entomology</i> , 1987 , 12, 473-479	1.9	34
61	Collated mutations in mitochondrial DNA (mtDNA) depletion syndrome (excluding the mitochondrial gamma polymerase, POLG1). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009 , 1792, 1109-12	6.9	33
60	Type I tyrosinemia: lack of immunologically detectable fumarylacetoacetase enzyme protein in tissues and cell extracts. <i>Pediatric Research</i> , 1987 , 22, 394-8	3.2	33
59	A Clinical, Neuropathological and Genetic Study of Homozygous A467T POLG-Related Mitochondrial Disease. <i>PLoS ONE</i> , 2016 , 11, e0145500	3.7	33
58	The clinical spectrum and natural history of early-onset diseases due to DNA polymerase gamma mutations. <i>Genetics in Medicine</i> , 2017 , 19, 1217-1225	8.1	32
57	Mitochondria as target to inhibit proliferation and induce apoptosis of cancer cells: the effects of doxycycline and gemcitabine. <i>Scientific Reports</i> , 2020 , 10, 4363	4.9	31
56	Analysis of COX2 mutants reveals cytochrome oxidase subassemblies in yeast. <i>Biochemical Journal</i> , 2005 , 390, 703-8	3.8	29
55	Assembly of cytochrome c oxidase: what can we learn from patients with cytochrome c oxidase deficiency?. <i>Biochemical Society Transactions</i> , 2001 , 29, 446-51	5.1	29
54	NDUFA4 (Renamed COXFA4) Is a Cytochrome-c Oxidase Subunit. <i>Trends in Endocrinology and Metabolism</i> , 2018 , 29, 452-454	8.8	27
53	Pathogenic LRRK2 mutations do not alter gene expression in cell model systems or human brain tissue. <i>PLoS ONE</i> , 2011 , 6, e22489	3.7	27
52	COX10 mutations resulting in complex multisystem mitochondrial disease that remains stable into adulthood. <i>JAMA Neurology</i> , 2013 , 70, 1556-61	17.2	24
51	Characterization of a novel TYMP splice site mutation associated with mitochondrial neurogastrointestinal encephalomyopathy (MNGIE). <i>Neuromuscular Disorders</i> , 2009 , 19, 151-4	2.9	24
50	Mitochondrial dysfunction in congenital nephrotic syndrome. <i>Laboratory Investigation</i> , 2000 , 80, 1227-32	3.9	24
49	Biochemical, genetic and immunoblot analyses of 17 patients with an isolated cytochrome c oxidase deficiency. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999 , 1455, 35-44	6.9	24
48	Nucleotide sequence of cDNA encoding human fumarylacetoacetase. <i>Nucleic Acids Research</i> , 1990 , 18, 1887	20.1	24
47	Diagnostic value of succinate ubiquinone reductase activity in the identification of patients with mitochondrial DNA depletion. <i>Journal of Inherited Metabolic Disease</i> , 2002 , 25, 7-16	5.4	23

46	Nucleotide sequence of cDNA encoding subunit VIb of human cytochrome c oxidase. <i>Nucleic Acids Research</i> , 1989 , 17, 1766	20.1	22
45	A novel mutation in SURF1 causes skipping of exon 8 in a patient with cytochrome c oxidase-deficient leigh syndrome and hypertrichosis. <i>Molecular Genetics and Metabolism</i> , 2001 , 73, 340-3	3.7	20
44	DNA isolation protocol effects on nuclear DNA analysis by microarrays, droplet digital PCR, and whole genome sequencing, and on mitochondrial DNA copy number estimation. <i>PLoS ONE</i> , 2017 , 12, e0180467	3.7	18
43	Mutations of cytochrome c oxidase subunits 1 and 3 in <i>Saccharomyces cerevisiae</i> : assembly defect and compensation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002 , 1554, 101-7	4.6	18
42	Mitochondrial cristae remodelling is associated with disrupted OPA1 oligomerisation in the Huntington's disease R6/2 fragment model. <i>Experimental Neurology</i> , 2017 , 288, 167-175	5.7	17
41	Assignment of the gene coding for human cytochrome c oxidase subunit VIb to chromosome 19, band q13.1, by fluorescence in situ hybridisation. <i>Human Genetics</i> , 1991 , 87, 325-7	6.3	17
40	Selective striatal mtDNA depletion in end-stage Huntington's disease R6/2 mice. <i>Experimental Neurology</i> , 2015 , 266, 22-9	5.7	16
39	Immunological phenotyping of fibroblast cultures from patients with a mitochondrial respiratory chain deficit. <i>Laboratory Investigation</i> , 2001 , 81, 1069-77	5.9	15
38	Isolation of cDNAs encoding subunit VIb of cytochrome c oxidase and steady-state levels of coxVIb mRNA in different tissues. <i>Gene</i> , 1990 , 93, 285-91	3.8	15
37	Clinicopathologic and molecular spectrum of -related mitochondrial disease. <i>Neurology: Genetics</i> , 2017 , 3, e149	3.8	14
36	Does doxycycline work in synergy with cisplatin and oxaliplatin in colorectal cancer?. <i>World Journal of Surgical Oncology</i> , 2009 , 7, 2	3.4	14
35	Mitochondria as oncotarget: a comparison between the tetracycline analogs doxycycline and COL-3. <i>Oncotarget</i> , 2018 , 9, 33818-33831	3.3	13
34	Clonal expansion of T cells in abdominal aortic aneurysm: a role for doxycycline as drug of choice?. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 11178-95	6.3	12
33	Increased sensitivity of myoblasts to oxidative stress in amyotrophic lateral sclerosis peripheral tissues. <i>Experimental Neurology</i> , 2009 , 218, 92-7	5.7	12
32	Nucleotide sequence of the last exon of the gene for human cytochrome c oxidase subunit VIb and its flanking regions. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1991 , 1089, 283-5		10
31	Huntingtin Aggregates and Mitochondrial Pathology in Skeletal Muscle but not Heart of Late-Stage R6/2 Mice. <i>Journal of Huntington's Disease</i> , 2019 , 8, 145-159	1.9	9
30	Influence of zinc and zinc chelator on HT-29 colorectal cell line. <i>BioMetals</i> , 2011 , 24, 143-51	3.4	9
29	Lowering the apoptotic threshold in colorectal cancer cells by targeting mitochondria. <i>Cancer Cell International</i> , 2010 , 10, 31	6.4	9

28	SCID mice containing muscle with human mitochondrial DNA mutations. An animal model for mitochondrial DNA defects. <i>Journal of Clinical Investigation</i> , 1998 , 102, 2090-5	15.9	8
27	Expression of Nodulin Genes During Nodule Development from Effective and Ineffective Root Nodules 1984 , 579-586		8
26	Intracellular oxygenation and cytochrome oxidase C activity in ischemic preconditioning of steatotic rabbit liver. <i>American Journal of Surgery</i> , 2010 , 200, 507-18	2.7	7
25	Identification of three human pseudogenes for subunit VIb of cytochrome c oxidase: a molecular record of gene evolution. <i>Gene</i> , 1991 , 102, 237-44	3.8	7
24	Glucosylceramidase degradation in fibroblasts carrying bi-allelic Parkin mutations. <i>Molecular Genetics and Metabolism</i> , 2013 , 109, 402-3	3.7	5
23	Mitofusin 1 and mitofusin 2 are ubiquitinated in a PINK1/parkin-dependent manner upon induction of mitophagy. <i>Human Molecular Genetics</i> , 2013 , 22, 1697-1697	5.6	4
22	Relapsing neuropathy in an 18-year-old woman. <i>Lancet Neurology, The</i> , 2007 , 6, 192-8	24.1	4
21	Sirtuin 5 depletion impairs mitochondrial function in human proximal tubular epithelial cells. <i>Scientific Reports</i> , 2021 , 11, 15510	4.9	3
20	Comment on "aneurysmal lesions of patients with abdominal aortic aneurysm contain clonally expanded T cells". <i>Journal of Immunology</i> , 2014 , 193, 2041	5.3	2
19	The diagnosis of inherited metabolic diseases by microarray gene expression profiling. <i>Orphanet Journal of Rare Diseases</i> , 2010 , 5, 34	4.2	2
18	Measurement of kinetic parameters of human platelet DNA polymerase gamma. <i>Methods</i> , 2010 , 51, 374-86	4.8	2
17	Cytochrome-c Oxidase (COX)		2
16	Ambroxol reverses tau and β -synuclein accumulation in a cholinergic N370S GBA1 mutation model.. <i>Human Molecular Genetics</i> , 2022 ,	5.6	2
15	Subunit composition of respiratory chain complex 1 and its responses to oxygen in mitochondria from human donor livers. <i>BMC Research Notes</i> , 2017 , 10, 547	2.3	1
14	Loss of PINK1 or Parkin Function Results in a Progressive Loss of Mitochondrial Function 2017 , 187-209		1
13	Chapter 1 Structure and Function of the Mitochondrial Oxidative Phosphorylation System. <i>Blue Books of Practical Neurology</i> , 2002 , 1-34		1
12	The Human Mitochondrial Genome. <i>Oxidative Stress and Disease</i> , 2005 , 95-246		1
11	The PINK1 β -Parkin mitophagy signalling pathway is not functional in peripheral blood mononuclear cells		1

10	The PINK1-Parkin mitophagy signalling pathway is not functional in peripheral blood mononuclear cells. <i>PLoS ONE</i> , 2021 , 16, e0259903	3.7	o
9	Mitochondrial DNA: Structure, Genetics, Replication and Defects 2019 , 127-152		
8	B25 Mitochondrial fission and fusion in skeletal muscle from HD patients and zQ175 mice. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, A17.3-A18	5.5	
7	B34 Mitochondrial Biogenesis, And Respiratory Chain Assembly And Function, In Heart Of R6/2 Mouse Model Of Huntington's Disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, A21-A21	5.5	
6	D03 Mitochondrial Biogenesis, And Respiratory Chain Assembly And Function, In Skeletal Muscle Of The R6/2 Mouse Model And Human Huntington's Disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, A32-A32	5.5	
5	POG01 Anti-thymidine phosphorylase antibodies in the diagnosis of mitochondrial neurogastrointestinal encephalomyopathy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010 , 81, e48-e48	5.5	
4	14 Mitochondrial cardiomyopathy caused by defective assembly of respiratory chain complex I. <i>Heart</i> , 2011 , 97, e8-e8	5.1	
3	Assessment of the significance of mitochondrial DNA damage by chemotherapeutic agents 2005 , 27, 337		
2	Mitochondrial respiratory chain and Krebs cycle enzyme function in human donor livers subjected to end-ischaemic hypothermic machine perfusion. <i>PLoS ONE</i> , 2021 , 16, e0257783	3.7	
1	Mitochondrial DNA Mutations and Nuclear Mitochondrial Interactions in Human Disease 1999 , 635-663		