

# Doug M Turnbull

## List of Publications by Citations

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

302  
papers

20,480  
citations

73  
h-index

135  
g-index

318  
ext. papers

23,210  
ext. citations

8.9  
avg, IF

6.81  
L-index

#	Paper	IF	Citations
302	Reanalysis and revision of the Cambridge reference sequence for human mitochondrial DNA. <i>Nature Genetics</i> , <b>1999</b> , 23, 147	36.3	2349
301	Mitochondrial DNA mutations in human disease. <i>Nature Reviews Genetics</i> , <b>2005</b> , 6, 389-402	30.1	1243
300	Ageing and Parkinson's disease: why is advancing age the biggest risk factor?. <i>Ageing Research Reviews</i> , <b>2014</b> , 14, 19-30	12	487
299	Mammalian mitochondrial genetics: heredity, heteroplasmy and disease. <i>Trends in Genetics</i> , <b>1997</b> , 13, 450-5	8.5	356
298	The epidemiology of pathogenic mitochondrial DNA mutations. <i>Annals of Neurology</i> , <b>2000</b> , 48, 188-193	9.4	352
297	Mitochondrial changes within axons in multiple sclerosis. <i>Brain</i> , <b>2009</b> , 132, 1161-74	11.2	338
296	The epidemiology of Leber hereditary optic neuropathy in the North East of England. <i>American Journal of Human Genetics</i> , <b>2003</b> , 72, 333-9	11	329
295	Multi-system neurological disease is common in patients with OPA1 mutations. <i>Brain</i> , <b>2010</b> , 133, 771-86	11.2	314
294	What causes mitochondrial DNA deletions in human cells?. <i>Nature Genetics</i> , <b>2008</b> , 40, 275-9	36.3	302
293	Mitochondrial enzyme activity in amyotrophic lateral sclerosis: implications for the role of mitochondria in neuronal cell death. <i>Annals of Neurology</i> , <b>1999</b> , 46, 787-90	9.4	264
292	Role of mitochondrial DNA mutations in human aging: implications for the central nervous system and muscle. <i>Annals of Neurology</i> , <b>1998</b> , 43, 217-23	9.4	256
291	Mitochondrial DNA deletions and neurodegeneration in multiple sclerosis. <i>Annals of Neurology</i> , <b>2011</b> , 69, 481-92	9.4	255
290	Molecular pathology of MELAS and MERRF. The relationship between mutation load and clinical phenotypes. <i>Brain</i> , <b>1997</b> , 120 ( Pt 10), 1713-21	11.2	251
289	Random intracellular drift explains the clonal expansion of mitochondrial DNA mutations with age. <i>American Journal of Human Genetics</i> , <b>2001</b> , 68, 802-6	11	251
288	ETFDH mutations as a major cause of riboflavin-responsive multiple acyl-CoA dehydrogenation deficiency. <i>Brain</i> , <b>2007</b> , 130, 2045-54	11.2	238
287	Mitochondrial DNA mutations are established in human colonic stem cells, and mutated clones expand by crypt fission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 714-9	11.5	234
286	Autosomal recessive mitochondrial ataxic syndrome due to mitochondrial polymerase gamma mutations. <i>Neurology</i> , <b>2005</b> , 64, 1204-8	6.5	224

285	Selective inhibition of mutant human mitochondrial DNA replication in vitro by peptide nucleic acids. <i>Nature Genetics</i> , <b>1997</b> , 15, 212-5	36.3	223
284	The genetics and pathology of mitochondrial disease. <i>Journal of Pathology</i> , <b>2017</b> , 241, 236-250	9.4	222
283	An evaluation of the measurement of the activities of complexes I-IV in the respiratory chain of human skeletal muscle mitochondria. <i>Biochemical Medicine and Metabolic Biology</i> , <b>1994</b> , 51, 35-42		210
282	Mutations causing mitochondrial disease: What is new and what challenges remain?. <i>Science</i> , <b>2015</b> , 349, 1494-9	33.3	204
281	The inheritance of mitochondrial DNA heteroplasmy: random drift, selection or both?. <i>Trends in Genetics</i> , <b>2000</b> , 16, 500-5	8.5	198
280	Mitochondrial DNA and disease. <i>Journal of Pathology</i> , <b>2012</b> , 226, 274-86	9.4	195
279	A partial deficiency of cytochrome c oxidase in chronic progressive external ophthalmoplegia. <i>Journal of the Neurological Sciences</i> , <b>1983</b> , 60, 31-53	3.2	179
278	Clinical features, diagnosis and management of maternally inherited diabetes and deafness (MIDD) associated with the 3243A>G mitochondrial point mutation. <i>Diabetic Medicine</i> , <b>2008</b> , 25, 383-99	3.5	178
277	Endurance training and detraining in mitochondrial myopathies due to single large-scale mtDNA deletions. <i>Brain</i> , <b>2006</b> , 129, 3391-401	11.2	156
276	Peptide nucleic acid delivery to human mitochondria. <i>Gene Therapy</i> , <b>1999</b> , 6, 1919-28	4	156
275	Comparative genomics and the evolution of human mitochondrial DNA: assessing the effects of selection. <i>American Journal of Human Genetics</i> , <b>2004</b> , 74, 229-38	11	155
274	The mitochondrial ND6 gene is a hot spot for mutations that cause Leber's hereditary optic neuropathy. <i>Brain</i> , <b>2001</b> , 124, 209-18	11.2	153
273	Recent Advances in Mitochondrial Disease. <i>Annual Review of Genomics and Human Genetics</i> , <b>2017</b> , 18, 257-275	9.7	149
272	Presentation and clinical investigation of mitochondrial respiratory chain disease. A study of 51 patients. <i>Brain</i> , <b>1995</b> , 118 (Pt 2), 339-57	11.2	146
271	Mitochondrial disease--its impact, etiology, and pathology. <i>Current Topics in Developmental Biology</i> , <b>2007</b> , 77, 113-55	5.3	145
270	Mitochondrial enzyme-deficient hippocampal neurons and choroidal cells in AD. <i>Neurology</i> , <b>2001</b> , 57, 260-4	6.5	145
269	Mutations of ANT1, Twinkle, and POLG1 in sporadic progressive external ophthalmoplegia (PEO). <i>Neurology</i> , <b>2003</b> , 60, 1354-6	6.5	141
268	The UK MRC Mitochondrial Disease Patient Cohort Study: clinical phenotypes associated with the m.3243A>G mutation--implications for diagnosis and management. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2013</b> , 84, 936-8	5.5	138

267	Cardiac involvement in mitochondrial DNA disease: clinical spectrum, diagnosis, and management. <i>European Heart Journal</i> , <b>2012</b> , 33, 3023-33	9.5	138
266	A new mtDNA mutation showing accumulation with time and restriction to skeletal muscle. <i>American Journal of Human Genetics</i> , <b>1997</b> , 60, 373-80	11	136
265	Mutations of the mitochondrial ND1 gene as a cause of MELAS. <i>Journal of Medical Genetics</i> , <b>2004</b> , 41, 784-9	5.8	135
264	Mitochondrial DNA Depletion in Respiratory Chain-Deficient Parkinson Disease Neurons. <i>Annals of Neurology</i> , <b>2016</b> , 79, 366-78	9.4	131
263	The determination of complete human mitochondrial DNA sequences in single cells: implications for the study of somatic mitochondrial DNA point mutations. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, E74-4	20.1	130
262	Reversal of a mitochondrial DNA defect in human skeletal muscle. <i>Nature Genetics</i> , <b>1997</b> , 16, 222-4	36.3	129
261	Resistance training in patients with single, large-scale deletions of mitochondrial DNA. <i>Brain</i> , <b>2008</b> , 131, 2832-40	11.2	124
260	Fatty acid oxidation is required for the respiration and proliferation of malignant glioma cells. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 43-54	1	123
259	Random genetic drift determines the level of mutant mtDNA in human primary oocytes. <i>American Journal of Human Genetics</i> , <b>2001</b> , 68, 533-6	11	121
258	Cytochrome c oxidase deficient cells accumulate in the hippocampus and choroid plexus with age. <i>Neurobiology of Aging</i> , <b>2001</b> , 22, 265-72	5.6	120
257	Abnormal RNA processing associated with a novel tRNA mutation in mitochondrial DNA. A potential disease mechanism. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 19559-64	5.4	117
256	mtDNA heteroplasmy level and copy number indicate disease burden in m.3243A>G mitochondrial disease. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,	12	115
255	The distributions of mitochondria and sodium channels reflect the specific energy requirements and conduction properties of the human optic nerve head. <i>British Journal of Ophthalmology</i> , <b>2004</b> , 88, 286-90	5.5	115
254	Mitochondrial DNA mutations in disease, aging, and neurodegeneration. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1147, 21-9	6.5	114
253	Molecular neuropathology of MELAS: level of heteroplasmy in individual neurones and evidence of extensive vascular involvement. <i>Neuropathology and Applied Neurobiology</i> , <b>2006</b> , 32, 359-73	5.2	114
252	Increased mitochondrial content in remyelinated axons: implications for multiple sclerosis. <i>Brain</i> , <b>2011</b> , 134, 1901-13	11.2	110
251	The spectrum of hearing loss due to mitochondrial DNA defects. <i>Brain</i> , <b>2000</b> , 123 ( Pt 1), 82-92	11.2	108
250	Effects of physical activity and age on mitochondrial function. <i>QJM - Monthly Journal of the Association of Physicians</i> , <b>1996</b> , 89, 251-8	2.7	107

249	Mitochondrial disease in adults: a scale to monitor progression and treatment. <i>Neurology</i> , <b>2006</b> , 66, 1932-4	106
248	Aggregated $\beta$ -synuclein and complex I deficiency: exploration of their relationship in differentiated neurons. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1820	9.8 104
247	Analysis of European mtDNAs for recombination. <i>American Journal of Human Genetics</i> , <b>2001</b> , 68, 145-153	11 102
246	The Spectrum of Mitochondrial Ultrastructural Defects in Mitochondrial Myopathy. <i>Scientific Reports</i> , <b>2016</b> , 6, 30610	4.9 99
245	Mitochondrial Diseases: Hope for the Future. <i>Cell</i> , <b>2020</b> , 181, 168-188	56.2 97
244	Mitochondrial DNA and disease. <i>Lancet, The</i> , <b>1999</b> , 354 Suppl 1, S117-21	40 97
243	Mechanism of neurodegeneration of neurons with mitochondrial DNA mutations. <i>Brain</i> , <b>2010</b> , 133, 797-807	7 91
242	Sequence variation in mitochondrial complex I genes: mutation or polymorphism?. <i>Journal of Medical Genetics</i> , <b>2006</b> , 43, 175-9	5.8 90
241	Transmission of mitochondrial DNA disorders: possibilities for the future. <i>Lancet, The</i> , <b>2006</b> , 368, 87-9	40 88
240	Mitochondrial Dysfunction in Parkinson's Disease-Cause or Consequence?. <i>Biology</i> , <b>2019</b> , 8,	4.9 85
239	Point mutations of the mtDNA control region in normal and neurodegenerative human brains. <i>American Journal of Human Genetics</i> , <b>2001</b> , 68, 529-32	11 82
238	Disease progression in patients with single, large-scale mitochondrial DNA deletions. <i>Brain</i> , <b>2014</b> , 137, 323-34	11.2 81
237	Urine heteroplasmy is the best predictor of clinical outcome in the m.3243A>G mtDNA mutation. <i>Neurology</i> , <b>2009</b> , 72, 568-9	6.5 81
236	MELAS associated with mutations in the POLG1 gene. <i>Neurology</i> , <b>2007</b> , 68, 1741-2	6.5 79
235	A novel immunofluorescent assay to investigate oxidative phosphorylation deficiency in mitochondrial myopathy: understanding mechanisms and improving diagnosis. <i>Scientific Reports</i> , <b>2015</b> , 5, 15037	4.9 78
234	The phenotypic spectrum of neutral lipid storage myopathy due to mutations in the PNPLA2 gene. <i>Journal of Neurology</i> , <b>2011</b> , 258, 1987-97	5.5 77
233	Formation of mitochondrial-derived vesicles is an active and physiologically relevant mitochondrial quality control process in the cardiac system. <i>Journal of Physiology</i> , <b>2016</b> , 594, 5343-62	3.9 76
232	Cell-permeable succinate prodrugs bypass mitochondrial complex I deficiency. <i>Nature Communications</i> , <b>2016</b> , 7, 12317	17.4 74

231	The clinical, histochemical, and molecular spectrum of PEO1 (Twinkle)-linked adPEO. <i>Neurology</i> , <b>2010</b> , 74, 1619-26	6.5	73
230	Cerebellar ataxia in patients with mitochondrial DNA disease: a molecular clinicopathological study. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2012</b> , 71, 148-61	3.1	71
229	Mitochondrial dysfunction plays a key role in progressive axonal loss in Multiple Sclerosis. <i>Medical Hypotheses</i> , <b>2005</b> , 64, 669-77	3.8	71
228	Variation in the calpain-10 gene affects blood glucose levels in the British population. <i>Diabetes</i> , <b>2002</b> , 51, 247-50	0.9	71
227	Mitochondrial donation--how many women could benefit?. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 885-887	59.2	69
226	Linking the metabolic state and mitochondrial DNA in chronic disease, health, and aging. <i>Diabetes</i> , <b>2013</b> , 62, 672-8	0.9	69
225	Dopaminergic midbrain neurons are the prime target for mitochondrial DNA deletions. <i>Journal of Neurology</i> , <b>2008</b> , 255, 1231-5	5.5	68
224	Homoplasmy, heteroplasmy, and mitochondrial dystonia. <i>Neurology</i> , <b>2007</b> , 69, 911-6	6.5	68
223	The ageing mitochondrial genome. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 7399-405	20.1	68
222	Mitochondrial DNA disease-molecular insights and potential routes to a cure. <i>Experimental Cell Research</i> , <b>2014</b> , 325, 38-43	4.2	67
221	Mitochondrial DNA mutations in the pathogenesis of human disease. <i>Trends in Molecular Medicine</i> , <b>2000</b> , 6, 425-32		67
220	The ageing neuromuscular system and sarcopenia: a mitochondrial perspective. <i>Journal of Physiology</i> , <b>2016</b> , 594, 4499-512	3.9	66
219	Mitochondrial DNA disease: new options for prevention. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, R168-74	5.6	63
218	Somatic mitochondrial DNA mutations in adult-onset leukaemia. <i>Leukemia</i> , <b>2003</b> , 17, 2487-91	10.7	63
217	Batteries not included: diagnosis and management of mitochondrial disease. <i>Journal of Internal Medicine</i> , <b>2009</b> , 265, 210-28	10.8	62
216	Topoisomerase 3Bs Required for Decatenation and Segregation of Human mtDNA. <i>Molecular Cell</i> , <b>2018</b> , 69, 9-23.e6	17.6	61
215	The impact of pathogenic mitochondrial DNA mutations on substantia nigra neurons. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 10790-801	6.6	61
214	Mitochondrial DNA deletions cause the biochemical defect observed in Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 2210-4	5.6	61

213	Age-related decline in mitochondrial DNA copy number in isolated human pancreatic islets. <i>Diabetologia</i> , <b>2008</b> , 51, 1440-3	10.3	61
212	A novel mitochondrial DNA point mutation in the tRNA(Ile) gene: studies in a patient presenting with chronic progressive external ophthalmoplegia and multiple sclerosis. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 243, 47-51	3.4	60
211	Transmitochondrial embryonic stem cells containing pathogenic mtDNA mutations are compromised in neuronal differentiation. <i>Cell Proliferation</i> , <b>2009</b> , 42, 413-24	7.9	58
210	Heteroplasmic ratio of the A3243G mitochondrial DNA mutation in single pancreatic beta cells. <i>Diabetologia</i> , <b>2003</b> , 46, 296-9	10.3	57
209	Mitochondrial Nanotunnels. <i>Trends in Cell Biology</i> , <b>2017</b> , 27, 787-799	18.3	56
208	Phenotypic heterogeneity in m.3243A>G mitochondrial disease: The role of nuclear factors. <i>Annals of Clinical and Translational Neurology</i> , <b>2018</b> , 5, 333-345	5.3	54
207	RRM2B mutations are frequent in familial PEO with multiple mtDNA deletions. <i>Neurology</i> , <b>2011</b> , 76, 2032-4	7.4	54
206	Sensory neuropathy in patients harbouring recessive polymerase $\Gamma$ mutations. <i>Brain</i> , <b>2012</b> , 135, 62-71	11.2	53
205	Cytochrome c oxidase activity in single muscle fibers: assay techniques and diagnostic applications. <i>Annals of Neurology</i> , <b>1993</b> , 33, 28-35	9.4	53
204	Comparison of mitochondrial mutation spectra in ageing human colonic epithelium and disease: absence of evidence for purifying selection in somatic mitochondrial DNA point mutations. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1003082	6	52
203	ANO5 gene analysis in a large cohort of patients with anoctaminopathy: confirmation of male prevalence and high occurrence of the common exon 5 gene mutation. <i>Human Mutation</i> , <b>2013</b> , 34, 1111-8	4.7	51
202	Quantitative 3D Mapping of the Human Skeletal Muscle Mitochondrial Network. <i>Cell Reports</i> , <b>2019</b> , 26, 996-1009.e4	10.6	50
201	Multipotent Basal Stem Cells, Maintained in Localized Proximal Niches, Support Directed Long-Ranging Epithelial Flows in Human Prostates. <i>Cell Reports</i> , <b>2017</b> , 20, 1609-1622	10.6	50
200	Mitochondrial and inflammatory changes in sporadic inclusion body myositis. <i>Neuropathology and Applied Neurobiology</i> , <b>2015</b> , 41, 288-303	5.2	49
199	Mitochondrial DNA deletion in "identical" twin brothers. <i>Journal of Medical Genetics</i> , <b>2004</b> , 41, e19	5.8	49
198	Ablation of cellular prion protein expression affects mitochondrial numbers and morphology. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 291, 372-7	3.4	49
197	Immunocytochemical studies of cytochrome oxidase subunits in skeletal muscle of patients with partial cytochrome oxidase deficiencies. <i>Journal of the Neurological Sciences</i> , <b>1988</b> , 87, 75-90	3.2	49
196	Mitochondrial disease: genetics and management. <i>Journal of Neurology</i> , <b>2016</b> , 263, 179-91	5.5	48

195	A national perspective on prenatal testing for mitochondrial disease. <i>European Journal of Human Genetics</i> , <b>2014</b> , 22, 1255-9	5.3	48
194	Age-associated mitochondrial DNA mutations lead to small but significant changes in cell proliferation and apoptosis in human colonic crypts. <i>Aging Cell</i> , <b>2010</b> , 9, 96-9	9.9	47
193	Prevalence and progression of diabetes in mitochondrial disease. <i>Diabetologia</i> , <b>2007</b> , 50, 2085-9	10.3	47
192	Mitochondrial diabetes: investigation and identification of a novel mutation. <i>Diabetes</i> , <b>1998</b> , 47, 1800-2	0.9	47
191	A scale to monitor progression and treatment of mitochondrial disease in children. <i>Neuromuscular Disorders</i> , <b>2006</b> , 16, 814-20	2.9	46
190	Clinical, Genetic, and Radiological Features of Extrapyrarnidal Movement Disorders in Mitochondrial Disease. <i>JAMA Neurology</i> , <b>2016</b> , 73, 668-74	17.2	46
189	Diagnosis and Treatment of Mitochondrial Myopathies. <i>Neurotherapeutics</i> , <b>2018</b> , 15, 943-953	6.4	46
188	A novel mitochondrial tRNA phenylalanine mutation presenting with acute rhabdomyolysis. <i>Annals of Neurology</i> , <b>1997</b> , 41, 408-10	9.4	44
187	Mitochondrial DNA mutations and ageing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2009</b> , 1790, 1015-20	4	43
186	Defects in multiple complexes of the respiratory chain are present in ageing human colonic crypts. <i>Experimental Gerontology</i> , <b>2010</b> , 45, 573-9	4.5	43
185	Progress in mitochondrial replacement therapies. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 71-72	48.7	42
184	International Workshop:: Outcome measures and clinical trial readiness in primary mitochondrial myopathies in children and adults. Consensus recommendations. 16-18 November 2016, Rome, Italy. <i>Neuromuscular Disorders</i> , <b>2017</b> , 27, 1126-1137	2.9	42
183	Mitochondrial DNA mutations affect calcium handling in differentiated neurons. <i>Brain</i> , <b>2010</b> , 133, 787-96	11.2	42
182	Pathogenic mitochondrial tRNA mutations--which mutations are inherited and why?. <i>Human Mutation</i> , <b>2009</b> , 30, E984-92	4.7	42
181	Maternally inherited diabetes and deafness: prevalence in a hospital diabetic population. <i>Diabetic Medicine</i> , <b>1997</b> , 14, 457-60	3.5	41
180	Accurate measurement of mitochondrial DNA deletion level and copy number differences in human skeletal muscle. <i>PLoS ONE</i> , <b>2014</b> , 9, e114462	3.7	40
179	Alpha-synuclein pathology and Parkinsonism associated with POLG1 mutations and multiple mitochondrial DNA deletions. <i>Neuropathology and Applied Neurobiology</i> , <b>2009</b> , 35, 120-4	5.2	39
178	What is influencing the phenotype of the common homozygous polymerase- $\beta$ mutation p.Ala467Thr?. <i>Brain</i> , <b>2012</b> , 135, 3614-26	11.2	39



177	Relationship between mitochondria and Synuclein: a study of single substantia nigra neurons. <i>Archives of Neurology</i> , <b>2012</b> , 69, 385-93		38
176	Consensus-based statements for the management of mitochondrial stroke-like episodes. <i>Wellcome Open Research</i> , <b>2019</b> , 4, 201	4.8	38
175	Mitochondrial function in muscle from elderly athletes. <i>Annals of Neurology</i> , <b>1997</b> , 41, 114-6	9.4	36
174	Mitochondrial DNA haplogroup distribution within Leber hereditary optic neuropathy pedigrees. <i>Journal of Medical Genetics</i> , <b>2004</b> , 41, e41	5.8	36
173	Neuropathological and histochemical changes in a multiple mitochondrial DNA deletion disorder. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2000</b> , 59, 621-7	3.1	36
172	Increase in mitochondrial density within axons and supporting cells in response to demyelination in the Plp1 mouse model. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 452-9	4.4	35
171	Impaired mitochondrial function abolishes gamma oscillations in the hippocampus through an effect on fast-spiking interneurons. <i>Brain</i> , <b>2011</b> , 134, e180; author reply e181	11.2	35
170	Microangiopathy in the cerebellum of patients with mitochondrial DNA disease. <i>Brain</i> , <b>2012</b> , 135, 1736-50	11.2	35
169	Novel POLG1 mutations associated with neuromuscular and liver phenotypes in adults and children. <i>Journal of Medical Genetics</i> , <b>2009</b> , 46, 209-14	5.8	35
168	Defining the importance of mitochondrial gene defects in maternally inherited diabetes by sequencing the entire mitochondrial genome. <i>Diabetes</i> , <b>2002</b> , 51, 2317-20	0.9	35
167	Development of passive CLARITY and immunofluorescent labelling of multiple proteins in human cerebellum: understanding mechanisms of neurodegeneration in mitochondrial disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 26013	4.9	34
166	Quantification of mitochondrial DNA mutation load. <i>Aging Cell</i> , <b>2009</b> , 8, 566-72	9.9	34
165	The rise and rise of mitochondrial DNA mutations. <i>Open Biology</i> , <b>2020</b> , 10, 200061	7	33
164	MT-ND5 Mutation Exhibits Highly Variable Neurological Manifestations at Low Mutant Load. <i>EBioMedicine</i> , <b>2018</b> , 30, 86-93	8.8	33
163	Analysis of fatty acid oxidation intermediates in cultured fibroblasts to detect mitochondrial oxidation disorders. <i>Clinical Chemistry</i> , <b>1994</b> , 40, 2267-2275	5.5	33
162	Extensive respiratory chain defects in inhibitory interneurons in patients with mitochondrial disease. <i>Neuropathology and Applied Neurobiology</i> , <b>2016</b> , 42, 180-93	5.2	32
161	Mitochondrial DNA mutations in aging. <i>Progress in Molecular Biology and Translational Science</i> , <b>2014</b> , 127, 29-62	4	30
160	So doctor, what exactly is wrong with my muscles? Glutaric aciduria type II presenting in a teenager. <i>Neuromuscular Disorders</i> , <b>2006</b> , 16, 269-73	2.9	30

159	Clonally expanded mitochondrial DNA deletions within the choroid plexus in multiple sclerosis. <i>Acta Neuropathologica</i> , <b>2012</b> , 124, 209-20	14.3	29
158	Respiratory chain deficiency in aged spinal motor neurons. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 2230-8	5.6	28
157	Cytochrome c oxidase-intermediate fibres: importance in understanding the pathogenesis and treatment of mitochondrial myopathy. <i>Neuromuscular Disorders</i> , <b>2012</b> , 22, 690-8	2.9	28
156	Mitochondrial disease in pregnancy: a systematic review. <i>Obstetric Medicine</i> , <b>2011</b> , 4, 90-4	1.5	28
155	Mitochondrial changes within axons in multiple sclerosis: an update. <i>Current Opinion in Neurology</i> , <b>2012</b> , 25, 221-30	7.1	28
154	OPA1 in multiple mitochondrial DNA deletion disorders. <i>Neurology</i> , <b>2008</b> , 71, 1829-31	6.5	28
153	Complex mitochondrial DNA rearrangements in individual cells from patients with sporadic inclusion body myositis. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 5313-29	20.1	28
152	Pseudo-obstruction, stroke, and mitochondrial dysfunction: A lethal combination. <i>Annals of Neurology</i> , <b>2016</b> , 80, 686-692	9.4	27
151	The mitochondrial brain: From mitochondrial genome to neurodegeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2010</b> , 1802, 111-21	6.9	27
150	POLG1, C10ORF2, and ANT1 mutations are uncommon in sporadic progressive external ophthalmoplegia with multiple mitochondrial DNA deletions. <i>Neurology</i> , <b>2006</b> , 66, 1439-41	6.5	27
149	Review: Central nervous system involvement in mitochondrial disease. <i>Neuropathology and Applied Neurobiology</i> , <b>2017</b> , 43, 102-118	5.2	26
148	The urinary proteome and metabolome differ from normal in adults with mitochondrial disease. <i>Kidney International</i> , <b>2015</b> , 87, 610-22	9.9	26
147	Human insulin receptor substrate-1: variant sequences in familial non-insulin-dependent diabetes mellitus. <i>Diabetic Medicine</i> , <b>1996</b> , 13, 133-8	3.5	26
146	Dissecting the mechanisms underlying the accumulation of mitochondrial DNA deletions in human skeletal muscle. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4612-20	5.6	25
145	Investigation of mitochondrial function in hereditary spastic paraparesis. <i>NeuroReport</i> , <b>2003</b> , 14, 485-8	1.7	25
144	The role of astrocytes in seizure generation: insights from a novel in vitro seizure model based on mitochondrial dysfunction. <i>Brain</i> , <b>2019</b> , 142, 391-411	11.2	24
143	Subcellular origin of mitochondrial DNA deletions in human skeletal muscle. <i>Annals of Neurology</i> , <b>2018</b> , 84, 289-301	9.4	24
142	The low abundance of clonally expanded mitochondrial DNA point mutations in aged substantia nigra neurons. <i>Aging Cell</i> , <b>2009</b> , 8, 496-8	9.9	24

141	Detection of cytochrome c oxidase activity and mitochondrial proteins in single cells. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 184, 310-9	3	24
140	Age-associated mitochondrial DNA mutations cause metabolic remodelling that contributes to accelerated intestinal tumorigenesis. <i>Nature Cancer</i> , <b>2020</b> , 1, 976-989	15.4	24
139	Quantitative quadruple-label immunofluorescence of mitochondrial and cytoplasmic proteins in single neurons from human midbrain tissue. <i>Journal of Neuroscience Methods</i> , <b>2014</b> , 232, 143-9	3	23
138	Similar patterns of clonally expanded somatic mtDNA mutations in the colon of heterozygous mtDNA mutator mice and ageing humans. <i>Mechanisms of Ageing and Development</i> , <b>2014</b> , 139, 22-30	5.6	23
137	Triplex real-time PCR--an improved method to detect a wide spectrum of mitochondrial DNA deletions in single cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 9906	4.9	23
136	Mitochondrial DNA deletions in muscle satellite cells: implications for therapies. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 4739-47	5.6	23
135	Loss of myelin-associated glycoprotein in kearns-sayre syndrome. <i>Archives of Neurology</i> , <b>2012</b> , 69, 490-9		23
134	Mitochondrial myopathy with skeletal muscle cytochrome oxidase deficiency. <i>Journal of Inherited Metabolic Disease</i> , <b>1982</b> , 5, 27-28	5.4	23
133	The comparative efficacy of antiepileptic drugs for partial and tonic-clonic seizures. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>1985</b> , 48, 1073-7	5.5	22
132	Dysferlin mutations and mitochondrial dysfunction. <i>Neuromuscular Disorders</i> , <b>2016</b> , 26, 782-788	2.9	22
131	Mitochondrial dysfunction in myofibrillar myopathy. <i>Neuromuscular Disorders</i> , <b>2016</b> , 26, 691-701	2.9	22
130	Therapeutic Manipulation of mtDNA Heteroplasmy: A Shifting Perspective. <i>Trends in Molecular Medicine</i> , <b>2020</b> , 26, 698-709	11.5	22
129	Pathological mechanisms underlying single large-scale mitochondrial DNA deletions. <i>Annals of Neurology</i> , <b>2018</b> , 83, 115-130	9.4	21
128	Causes of Death in Adults with Mitochondrial Disease. <i>JIMD Reports</i> , <b>2016</b> , 26, 103-13	1.9	21
127	Catastrophic presentation of mitochondrial disease due to a mutation in the tRNA(His) gene. <i>Neurology</i> , <b>2004</b> , 62, 1420-3	6.5	21
126	Frequency of rare mitochondrial DNA mutations in patients with suspected Leber's hereditary optic neuropathy. <i>Journal of Medical Genetics</i> , <b>2003</b> , 40, e85	5.8	21
125	Mitochondrial dysfunction impairs osteogenesis, increases osteoclast activity, and accelerates age related bone loss. <i>Scientific Reports</i> , <b>2020</b> , 10, 11643	4.9	21
124	Mitochondrial disease in adults: recent advances and future promise. <i>Lancet Neurology</i> , <b>2021</b> , 20, 573-584	24.1	21

123	Pathogenic variants in MT-ATP6: A United Kingdom-based mitochondrial disease cohort study. <i>Annals of Neurology</i> , <b>2019</b> , 86, 310-315	9.4	20
122	Late-onset respiratory failure due to TK2 mutations causing multiple mtDNA deletions. <i>Neurology</i> , <b>2013</b> , 81, 2051-3	6.5	20
121	Gastrointestinal tract involvement associated with the 3243A>G mitochondrial DNA mutation. <i>Neurology</i> , <b>2008</b> , 70, 1290-2	6.5	20
120	Mitochondrial enteropathy: the primary pathology may not be within the gastrointestinal tract. <i>Gut</i> , <b>2001</b> , 48, 121-4	19.2	20
119	Investigation of mitochondrial biogenesis defects in single substantia nigra neurons using post-mortem human tissues. <i>Neurobiology of Disease</i> , <b>2020</b> , 134, 104631	7.5	20
118	Mitochondrial donation: from test tube to clinic. <i>Lancet, The</i> , <b>2018</b> , 392, 1191-1192	40	20
117	Mitochondrial Donation - Clearing the Final Regulatory Hurdle in the United Kingdom. <i>New England Journal of Medicine</i> , <b>2017</b> , 376, 171-173	59.2	19
116	Potential compounds for the treatment of mitochondrial disease. <i>British Medical Bulletin</i> , <b>2015</b> , 116, 5-18	5.4	19
115	Preferential amplification of a human mitochondrial DNA deletion in vitro and in vivo. <i>Scientific Reports</i> , <b>2018</b> , 8, 1799	4.9	19
114	Novel MTND1 mutations cause isolated exercise intolerance, complex I deficiency and increased assembly factor expression. <i>Clinical Science</i> , <b>2015</b> , 128, 895-904	6.5	18
113	Scientific and Ethical Issues in Mitochondrial Donation. <i>New Bioethics</i> , <b>2018</b> , 24, 57-73	1	18
112	Relationship between insulin sensitivity and insulin receptor substrate-1 mutations in non-diabetic relatives of NIDDM families. <i>Diabetic Medicine</i> , <b>1996</b> , 13, 341-5	3.5	18
111	Investigating complex I deficiency in Purkinje cells and synapses in patients with mitochondrial disease. <i>Neuropathology and Applied Neurobiology</i> , <b>2016</b> , 42, 477-92	5.2	18
110	Clinical progression of mitochondrial myopathy is associated with the random accumulation of cytochrome c oxidase negative skeletal muscle fibres. <i>Journal of the Neurological Sciences</i> , <b>2003</b> , 211, 63-6	3.2	16
109	Pathogenic mtDNA mutations causing mitochondrial myopathy: The need for muscle biopsy. <i>Neurology: Genetics</i> , <b>2016</b> , 2, e82	3.8	16
108	Detection of mitochondrial DNA deletions in blood using the polymerase chain reaction: non-invasive diagnosis of mitochondrial myopathy. <i>Clinical Genetics</i> , <b>1991</b> , 39, 33-8	4	15
107	Accelerated ageing changes in the choroid plexus of a case with multiple mitochondrial DNA deletions. <i>Neuropathology and Applied Neurobiology</i> , <b>2001</b> , 27, 206-14	5.2	15
106	Linked oligodeoxynucleotides show binding cooperativity and can selectively impair replication of deleted mitochondrial DNA templates. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, 3404-12	20.1	15

105	Lipid storage myopathy associated with low acyl-CoA dehydrogenase activities. <i>Brain</i> , <b>1988</b> , 111 (Pt 4), 815-28	11.2	15
104	Mitochondrial Donation - Which Women Could Benefit?. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 1971-1972	59.2	14
103	Predominant Asymmetrical Stem Cell Fate Outcome Limits the Rate of Niche Succession in Human Colonic Crypts. <i>EBioMedicine</i> , <b>2018</b> , 31, 166-173	8.8	14
102	Mitochondrial DNA deletions and depletion within paraspinal muscles. <i>Neuropathology and Applied Neurobiology</i> , <b>2013</b> , 39, 377-89	5.2	14
101	Using a quantitative quadruple immunofluorescent assay to diagnose isolated mitochondrial Complex I deficiency. <i>Scientific Reports</i> , <b>2017</b> , 7, 15676	4.9	14
100	Assessment of mitochondrial respiratory chain enzymes in cells and tissues. <i>Methods in Cell Biology</i> , <b>2020</b> , 155, 121-156	1.8	14
99	Ultrasensitive deletion detection links mitochondrial DNA replication, disease, and aging. <i>Genome Biology</i> , <b>2020</b> , 21, 248	18.3	14
98	The adjunctive application of transcranial direct current stimulation in the management of de novo refractory epilepsy partialis continua in adolescent-onset -related mitochondrial disease. <i>Epilepsia Open</i> , <b>2018</b> , 3, 103-108	4	13
97	Roles of Mitochondrial DNA Mutations in Stem Cell Ageing. <i>Genes</i> , <b>2018</b> , 9,	4.2	13
96	Pathophysiology of exercise intolerance in chronic diseases: the role of diminished cardiac performance in mitochondrial and heart failure patients. <i>Open Heart</i> , <b>2017</b> , 4, e000632	3	13
95	Medium chain acyl-CoA dehydrogenase deficiency caused by a deletion of exons 11 and 12. <i>Human Molecular Genetics</i> , <b>1995</b> , 4, 747-9	5.6	13
94	Mitochondrial DNA and genetic disease. <i>Essays in Biochemistry</i> , <b>2010</b> , 47, 139-51	7.6	13
93	Height as a Clinical Biomarker of Disease Burden in Adult Mitochondrial Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 2057-2066	5.6	12
92	Expanding Our Understanding of mtDNA Deletions. <i>Cell Metabolism</i> , <b>2016</b> , 24, 3-4	24.6	12
91	Decreased male reproductive success in association with mitochondrial dysfunction. <i>European Journal of Human Genetics</i> , <b>2017</b> , 25, 1162-1164	5.3	12
90	Mitochondrial Mutations: Newly Discovered Players in Neuronal Degeneration. <i>Neuroscientist</i> , <b>2011</b> , 17, 645-658	7.6	12
89	A case-comparison study of pregnant women with mitochondrial disease - what to expect?. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>2019</b> , 126, 1380-1389	3.7	12
88	Monitoring mitochondrial dynamics and complex I dysfunction in neurons: implications for Parkinson's disease. <i>Biochemical Society Transactions</i> , <b>2013</b> , 41, 1618-24	5.1	11

87	No excess of mitochondrial DNA deletions within muscle in progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2013</b> , 19, 1858-66	5	11
86	Measuring the effects of exercise in neuromuscular disorders: a systematic review and meta-analyses. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 84	4.8	11
85	Cytochrome c oxidase deficient muscle fibres: substantial variation in their proportions within skeletal muscles from patients with mitochondrial myopathy. <i>Neuromuscular Disorders</i> , <b>2005</b> , 15, 768-74	2.9	10
84	Respiratory chain dysfunction in progressive neuronal degeneration of childhood with liver disease. <i>Journal of Child Neurology</i> , <b>1996</b> , 11, 417-9	2.5	10
83	Systematic review of cognitive deficits in adult mitochondrial disease. <i>European Journal of Neurology</i> , <b>2020</b> , 27, 3-17	6	10
82	Mitochondrial respiratory chain function and content are preserved in the skeletal muscle of active very old men and women. <i>Experimental Gerontology</i> , <b>2018</b> , 113, 80-85	4.5	10
81	Understanding mitochondrial DNA maintenance disorders at the single muscle fibre level. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 7430-7443	20.1	9
80	Effects of obesity and weight loss on mitochondrial structure and function and implications for colorectal cancer risk. <i>Proceedings of the Nutrition Society</i> , <b>2019</b> , 78, 426-437	2.9	9
79	Impact of age on the association between cardiac high-energy phosphate metabolism and cardiac power in women. <i>Heart</i> , <b>2018</b> , 104, 111-118	5.1	9
78	Inherited pathogenic mitochondrial DNA mutations and gastrointestinal stem cell populations. <i>Journal of Pathology</i> , <b>2018</b> , 246, 427-432	9.4	9
77	Do mitochondrial DNA mutations have a role in neurodegenerative disease?. <i>Biochemical Society Transactions</i> , <b>2007</b> , 35, 1232-5	5.1	9
76	Immunoreactive enzyme protein in medium-chain acyl-CoA dehydrogenase deficiency. <i>Biochemical Medicine and Metabolic Biology</i> , <b>1991</b> , 46, 373-9		9
75	Restriction enzyme analysis of the mitochondrial genome in mitochondrial myopathy. <i>Journal of Medical Genetics</i> , <b>1988</b> , 25, 600-5	5.8	9
74	Decoding mitochondrial heterogeneity in single muscle fibres by imaging mass cytometry. <i>Scientific Reports</i> , <b>2020</b> , 10, 15336	4.9	9
73	Unique quadruple immunofluorescence assay demonstrates mitochondrial respiratory chain dysfunction in osteoblasts of aged and PolgA(-/-) mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 31907	4.9	8
72	Localization of MRP-1 to the outer mitochondrial membrane by the chaperone protein HSP90 $\alpha$ . <i>FASEB Journal</i> , <b>2016</b> , 30, 1712-23	0.9	8
71	Initial development and validation of a mitochondrial disease quality of life scale. <i>Neuromuscular Disorders</i> , <b>2013</b> , 23, 324-9	2.9	8
70	Neuro-Sweet's disease. <i>Practical Neurology</i> , <b>2012</b> , 12, 126-30	2.4	8

69	Mitochondrial related diabetes: a clinical perspective. <i>Diabetic Medicine</i> , <b>1997</b> , 14, 1007-9	3.5	8
68	Melas associated with mutations in the polg1 gene. <i>Neurology</i> , <b>2008</b> , 70, 1054; author reply 1054-5	6.5	8
67	Peptide nucleic acid and delivery to human mitochondria. <i>Gene Therapy</i> , <b>2000</b> , 7, 813	4	8
66	Defects of fatty acid oxidation in skeletal muscle. <i>Journal of Inherited Metabolic Disease</i> , <b>1987</b> , 10 Suppl 1, 105-12	5.4	8
65	Imaging mass cytometry reveals generalised deficiency in OXPHOS complexes in Parkinson's disease. <i>Npj Parkinson's Disease</i> , <b>2021</b> , 7, 39	9.7	8
64	Dissecting the neuronal vulnerability underpinning Alpers syndrome: a clinical and neuropathological study. <i>Brain Pathology</i> , <b>2019</b> , 29, 97-113	6	7
63	Diabetes and deafness: is it sufficient to screen for the mitochondrial 3243A>G mutation alone?. <i>Diabetes Care</i> , <b>2007</b> , 30, 2238-9	14.6	7
62	Disorders of the electron transport chain. <i>Journal of Inherited Metabolic Disease</i> , <b>1996</b> , 19, 463-9	5.4	7
61	Mitochondrial mutations: newly discovered players in neuronal degeneration. <i>Neuroscientist</i> , <b>2011</b> , 17, 645-58	7.6	7
60	Lewy body pathology is more prevalent in older individuals with mitochondrial disease than controls. <i>Acta Neuropathologica</i> , <b>2020</b> , 139, 219-221	14.3	7
59	Skeletal muscle mitochondrial oxidative phosphorylation function in idiopathic pulmonary arterial hypertension: in vivo and in vitro study. <i>Pulmonary Circulation</i> , <b>2018</b> , 8, 2045894018768290	2.7	7
58	Cognitive deficits in adult m.3243A>G- and m.8344A>G-related mitochondrial disease: importance of correcting for baseline intellectual ability. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 826-836	5.3	6
57	Mitochondrial genotype and clinical phenotype. <i>Journal of Inherited Metabolic Disease</i> , <b>1998</b> , 21, 321-5	5.4	5
56	Intermediate expansions of a X25/frataxin gene GAA repeat and type II diabetes: assessment using parent-offspring trios. <i>Diabetologia</i> , <b>2000</b> , 43, 384-5	10.3	5
55	Measurement of acyl-CoA dehydrogenase activity in cultured skin fibroblasts and blood platelets. <i>Journal of Inherited Metabolic Disease</i> , <b>1992</b> , 15, 727-32	5.4	5
54	Defects of the respiratory chain. <i>Baillieres Clinical Endocrinology and Metabolism</i> , <b>1990</b> , 4, 583-619		5
53	Mitochondrial oxidations and tissue carnitine concentrations in riboflavin-deficient rats. <i>Biochemical Society Transactions</i> , <b>1985</b> , 13, 895-896	5.1	5
52	Age-associated mitochondrial complex I deficiency is linked to increased stem cell proliferation rates in the mouse colon. <i>Aging Cell</i> , <b>2021</b> , 20, e13321	9.9	5

51	The diagnosis of posterior reversible encephalopathy syndrome. <i>Lancet Neurology, The</i> , <b>2015</b> , 14, 1073	24.1	4
50	Mutation-Independent Allele-Specific Editing by CRISPR-Cas9, a Novel Approach to Treat Autosomal Dominant Disease. <i>Molecular Therapy</i> , <b>2020</b> , 28, 1846-1857	11.7	4
49	Mitochondrial morphology and function: two for the price of one!. <i>Journal of Microscopy</i> , <b>2020</b> , 278, 89-106		4
48	A new biomarker for mitochondrial disease. <i>Lancet Neurology, The</i> , <b>2011</b> , 10, 777-8	24.1	4
47	A diagnostic tattoo. <i>Clinical Genetics</i> , <b>2009</b> , 75, 37-8	4	4
46	Biochemical investigation of muscle disease. <i>Annals of Clinical Biochemistry</i> , <b>1989</b> , 26 ( Pt 6), 472-6	2.2	4
45	Mitochondrial donation - hope for families with mitochondrial DNA disease. <i>Emerging Topics in Life Sciences</i> , <b>2020</b> , 4, 151-154	3.5	4
44	Lower urinary tract dysfunction in adult patients with mitochondrial disease. <i>Neurourology and Urodynamics</i> , <b>2020</b> , 39, 2253-2263	2.3	4
43	Applying the Airbrakes: Treating Mitochondrial Disease with Hypoxia. <i>Molecular Cell</i> , <b>2016</b> , 62, 5-6	17.6	4
42	No evidence of an association between the T16189C mtDNA variant and late onset dementia. <i>Journal of Medical Genetics</i> , <b>2004</b> , 41, e7	5.8	3
41	Pathogenic mitochondrial DNA mutations and human reproduction. <i>Human Fertility</i> , <b>1999</b> , 2, 133-137	1.9	3
40	Natural History of Leigh Syndrome: A Study of Disease Burden and Progression. <i>Annals of Neurology</i> , <b>2021</b> ,	9.4	3
39	Distinctive Features of Orbital Adipose Tissue (OAT) in GravesNOrbitopathy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
38	Mitochondrial DNA disorders: from pathogenic variants to preventing transmission. <i>Human Molecular Genetics</i> , <b>2021</b> , 30, R245-R253	5.6	3
37	Neuromuscular Junction Abnormalities in Mitochondrial Disease: An Observational Cohort Study. <i>Neurology: Clinical Practice</i> , <b>2021</b> , 11, 97-104	1.7	3
36	Association of mitochondrial respiratory chain deficiency in older men with muscle mass and physical performance: findings from the Hertfordshire Sarcopenia Study. <i>Lancet, The</i> , <b>2017</b> , 389, S87	40	2
35	Reproductive Options for Women with Mitochondrial Disease <b>2019</b> , 371-382		2
34	Adult-onset myoclonus ataxia associated with the mitochondrial m.8993T>C "NARP" mutation. <i>Movement Disorders</i> , <b>2015</b> , 30, 1432-3	7	2



33	Mitochondrial isolation: when size matters. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 226	4.8	2
32	Complex I reductions in the nucleus basalis of Meynert in Lewy body dementia: the role of Lewy bodies. <i>Acta Neuropathologica Communications</i> , <b>2020</b> , 8, 103	7.3	2
31	Forecasting stroke-like episodes and outcomes in mitochondrial disease.. <i>Brain</i> , <b>2021</b> ,	11.2	2
30	Mitochondria, the Synapse, and Neurodegeneration <b>2016</b> , 219-239		1
29	Design and baseline characteristics of the Biomarkers Of Risk In Colorectal Cancer (BORICC) Follow-Up study: A 12+ years follow-up. <i>Nutrition and Health</i> , <b>2019</b> , 25, 231-238	2.1	1
28	Novel variants associated with late-onset de novo status epilepticus and progressive ataxia. <i>Neurology: Genetics</i> , <b>2017</b> , 3, e181	3.8	1
27	Hyperventilation during the EEG is safe in mitochondrial disease. <i>Clinical Neurophysiology</i> , <b>2011</b> , 122, 1270-1	4.3	1
26	Modelling mitochondrial DNA mutations in bacterial cytochrome c oxidase: link to colon cancer?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, E57	11.5	1
25	The use of PNAs and their derivatives in mitochondrial gene therapy. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2003</b> , 10, 353-360	2.1	1
24	Analysis of mitochondrial DNA mutations : point mutations. <i>Methods in Molecular Medicine</i> , <b>2000</b> , 38, 265-77		1
23	Mitochondrial isolation: when size matters. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 226	4.8	1
22	Endocrine manifestations and new developments in mitochondrial disease. <i>Endocrine Reviews</i> , <b>2021</b> ,	27.2	1
21	Exercise Training and Neurodegeneration in Mitochondrial Disorders: Insights From the Harlequin Mouse. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 594223	4.6	1
20	Risk of cardiac manifestations in adult mitochondrial disease caused by nuclear genetic defects. <i>Open Heart</i> , <b>2021</b> , 8, e001510	3	1
19	The Role of Mitochondria-Linked Fatty-Acid Uptake-Driven Adipogenesis in Graves Orbitopathy. <i>Endocrinology</i> , <b>2021</b> , 162,	4.8	1
18	A subcellular cookie cutter for spatial genomics in human tissue.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	1
17	The feasibility of muscle mitochondrial respiratory chain phenotyping across the cognitive spectrum in Parkinson's disease. <i>Experimental Gerontology</i> , <b>2020</b> , 138, 110997	4.5	0
16	Management of patients with dental disease and mitochondrial disorders. <i>Dental Update</i> , <b>2012</b> , 39, 654-6.3		0

- 15 Detecting respiratory chain defects in osteoblasts from osteoarthritic patients using imaging mass cytometry.. *Bone*, **2022**, 158, 116371 4.7 ○
- 14 Automated quantitative high-throughput multiplex immunofluorescence pipeline to evaluate OXPPOS defects in formalin-fixed human prostate tissue.. *Scientific Reports*, **2022**, 12, 6660 4.9 ○
- 13 Mitochondrial Neurodegenerative Disorders I: Parkinsonism and Cognitive Deficits **2019**, 223-239
- 12 Mitochondrial Medicine: A Historical Point of View **2019**, 1-18
- 11 A CLINICAL AUDIT OF ACUTE MANAGEMENT OF STROKE-LIKE EPISODES FROM A NATIONAL MITOCHONDRIAL DISEASE CENTRE. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, e4.161-5 5.5
- 10 Mitochondrial disorders 188-211
- 9 The legacy of mitochondrial DNA 306-317
- 8 Investigation of metabolic myopathies. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2007**, 86, 193-204 3
- 7 Mitochondrial DNA mutations in the haematopoietic system. *Leukemia*, **2004**, 18, 169-70 10.7
- 6 The use of PNAs and their derivatives in mitochondrial gene therapy. *International Journal of Peptide Research and Therapeutics*, **2003**, 10, 353-360
- 5 The use of PNAs and their derivatives in mitochondrial gene therapy. *International Journal of Peptide Research and Therapeutics*, **2005**, 10, 353-360 2.1
- 4 Short-chain acyl-CoA dehydrogenase deficiency. *Progress in Clinical and Biological Research*, **1990**, 321, 313-24
- 3 Spectrum of Movement Disorders in Mitochondrial Disorders-Reply. *JAMA Neurology*, **2016**, 73, 1254-1255 5.2
- 2 Current perspectives in the treatment of mitochondrial DNA diseases. *Functional Neurology*, **2001**, 16, 89-96 2.2
- 1 Mitochondrial complex I subunit deficiency promotes pancreatic cell proliferation.. *Molecular Metabolism*, **2022**, 101489 8.8