

# Doug M Turnbull

## List of Publications by Year in Descending Order

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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	A subcellular cookie cutter for spatial genomics in human tissue.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	1
301	Mitochondrial complex I subunit deficiency promotes pancreatic βcell proliferation.. <i>Molecular Metabolism</i> , <b>2022</b> , 101489	8.8	
300	Detecting respiratory chain defects in osteoblasts from osteoarthritic patients using imaging mass cytometry.. <i>Bone</i> , <b>2022</b> , 158, 116371	4.7	0
299	Automated quantitative high-throughput multiplex immunofluorescence pipeline to evaluate OXPHOS defects in formalin-fixed human prostate tissue.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6660	4.9	0
298	Endocrine manifestations and new developments in mitochondrial disease. <i>Endocrine Reviews</i> , <b>2021</b> , 42, 100-111	27.2	1
297	Natural History of Leigh Syndrome: A Study of Disease Burden and Progression. <i>Annals of Neurology</i> , <b>2021</b> , 89, 100-111	9.4	3
296	Risk of cardiac manifestations in adult mitochondrial disease caused by nuclear genetic defects. <i>Open Heart</i> , <b>2021</b> , 8, e001510	3	1
295	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
294	Mitochondrial DNA disorders: from pathogenic variants to preventing transmission. <i>Human Molecular Genetics</i> , <b>2021</b> , 30, R245-R253	5.6	3
293	Mitochondrial disease in adults: recent advances and future promise. <i>Lancet Neurology</i> , <b>2021</b> , 20, 573-584	24.1	21
292	Neuromuscular Junction Abnormalities in Mitochondrial Disease: An Observational Cohort Study. <i>Neurology: Clinical Practice</i> , <b>2021</b> , 11, 97-104	1.7	3
291	Forecasting stroke-like episodes and outcomes in mitochondrial disease.. <i>Brain</i> , <b>2021</b> , 144, 100-111	11.2	2
290	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
289	The Role of Mitochondria-Linked Fatty-Acid Uptake-Driven Adipogenesis in Graves Orbitopathy. <i>Endocrinology</i> , <b>2021</b> , 162, 100-111	4.8	1
288	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
287	The rise and rise of mitochondrial DNA mutations. <i>Open Biology</i> , <b>2020</b> , 10, 200061	7	33
286	Mitochondrial Diseases: Hope for the Future. <i>Cell</i> , <b>2020</b> , 181, 168-188	56.2	97

285	The feasibility of muscle mitochondrial respiratory chain phenotyping across the cognitive spectrum in Parkinson disease. <i>Experimental Gerontology</i> , <b>2020</b> , 138, 110997	4.5	0
284	Mitochondrial morphology and function: two for the price of one!. <i>Journal of Microscopy</i> , <b>2020</b> , 278, 89-106		4
283	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
282	Mitochondrial isolation: when size matters. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 226	4.8	1
281	Mitochondrial isolation: when size matters. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 226	4.8	2
280	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
279	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
278	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
277	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
276	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
275	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
274	Lower urinary tract dysfunction in adult patients with mitochondrial disease. <i>Neurourology and Urodynamics</i> , <b>2020</b> , 39, 2253-2263	2.3	4
273	Distinctive Features of Orbital Adipose Tissue (OAT) in Graves Orbitopathy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
272	Decoding mitochondrial heterogeneity in single muscle fibres by imaging mass cytometry. <i>Scientific Reports</i> , <b>2020</b> , 10, 15336	4.9	9
271	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
270	Ultrasensitive deletion detection links mitochondrial DNA replication, disease, and aging. <i>Genome Biology</i> , <b>2020</b> , 21, 248	18.3	14
269	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
268	Systematic review of cognitive deficits in adult mitochondrial disease. <i>European Journal of Neurology</i> , <b>2020</b> , 27, 3-17	6	10

267	Therapeutic Manipulation of mtDNA Heteroplasmy: A Shifting Perspective. <i>Trends in Molecular Medicine</i> , <b>2020</b> , 26, 698-709	11.5	22
266	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
265	Quantitative 3D Mapping of the Human Skeletal Muscle Mitochondrial Network. <i>Cell Reports</i> , <b>2019</b> , 26, 996-1009.e4	10.6	50
264	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
263	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
262	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
261	Mitochondrial Neurodegenerative Disorders I: Parkinsonism and Cognitive Deficits <b>2019</b> , 223-239		
260	Reproductive Options for Women with Mitochondrial Disease <b>2019</b> , 371-382		2
259	Mitochondrial Dysfunction in Parkinson's Disease-Cause or Consequence?. <i>Biology</i> , <b>2019</b> , 8,	4.9	85
258	Mitochondrial Donation - Which Women Could Benefit?. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 1971-1972	59.2	14
257	Mitochondrial Medicine: A Historical Point of View <b>2019</b> , 1-18		
256	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
255	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
254	Dissecting the neuronal vulnerability underpinning Alpers syndrome: a clinical and neuropathological study. <i>Brain Pathology</i> , <b>2019</b> , 29, 97-113	6	7
253	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
252	Consensus-based statements for the management of mitochondrial stroke-like episodes. <i>Wellcome Open Research</i> , <b>2019</b> , 4, 201	4.8	38
251	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
250	MT-ND5 Mutation Exhibits Highly Variable Neurological Manifestations at Low Mutant Load. <i>EBioMedicine</i> , <b>2018</b> , 30, 86-93	8.8	33

249	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
248	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
247	Progress in mitochondrial replacement therapies. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 71-72	48.7	42
246	Pathological mechanisms underlying single large-scale mitochondrial DNA deletions. <i>Annals of Neurology</i> , <b>2018</b> , 83, 115-130	9.4	21
245	Topoisomerase 3Bs Required for Decatenation and Segregation of Human mtDNA. <i>Molecular Cell</i> , <b>2018</b> , 69, 9-23.e6	17.6	61
244	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
243	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
242	Scientific and Ethical Issues in Mitochondrial Donation. <i>New Bioethics</i> , <b>2018</b> , 24, 57-73	1	18
241	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
240	Roles of Mitochondrial DNA Mutations in Stem Cell Ageing. <i>Genes</i> , <b>2018</b> , 9,	4.2	13
239	Subcellular origin of mitochondrial DNA deletions in human skeletal muscle. <i>Annals of Neurology</i> , <b>2018</b> , 84, 289-301	9.4	24
238	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
237	Inherited pathogenic mitochondrial DNA mutations and gastrointestinal stem cell populations. <i>Journal of Pathology</i> , <b>2018</b> , 246, 427-432	9.4	9
236	Diagnosis and Treatment of Mitochondrial Myopathies. <i>Neurotherapeutics</i> , <b>2018</b> , 15, 943-953	6.4	46
235	Mitochondrial donation: from test tube to clinic. <i>Lancet, The</i> , <b>2018</b> , 392, 1191-1192	40	20
234	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
233	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
232	Review: Central nervous system involvement in mitochondrial disease. <i>Neuropathology and Applied Neurobiology</i> , <b>2017</b> , 43, 102-118	5.2	26

231	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
230	Recent Advances in Mitochondrial Disease. <i>Annual Review of Genomics and Human Genetics</i> , <b>2017</b> , 18, 257-275	9.7	149
229	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
228	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
227	Mitochondrial Nanotunnels. <i>Trends in Cell Biology</i> , <b>2017</b> , 27, 787-799	18.3	56
226	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
225	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
224	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
223	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
222	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
221	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
220	The genetics and pathology of mitochondrial disease. <i>Journal of Pathology</i> , <b>2017</b> , 241, 236-250	9.4	222
219	Mitochondrial disease: genetics and management. <i>Journal of Neurology</i> , <b>2016</b> , 263, 179-91	5.5	48
218	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
217	The Spectrum of Mitochondrial Ultrastructural Defects in Mitochondrial Myopathy. <i>Scientific Reports</i> , <b>2016</b> , 6, 30610	4.9	99
216	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
215	Pseudo-obstruction, stroke, and mitochondrial dysfunction: A lethal combination. <i>Annals of Neurology</i> , <b>2016</b> , 80, 686-692	9.4	27
214	Expanding Our Understanding of mtDNA Deletions. <i>Cell Metabolism</i> , <b>2016</b> , 24, 3-4	24.6	12

213	Cell-permeable succinate prodrugs bypass mitochondrial complex I deficiency. <i>Nature Communications</i> , <b>2016</b> , 7, 12317	17.4	74
212	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
211	Mitochondria, the Synapse, and Neurodegeneration <b>2016</b> , 219-239		1
210	Localization of MRP-1 to the outer mitochondrial membrane by the chaperone protein HSP90α <i>FASEB Journal</i> , <b>2016</b> , 30, 1712-23	0.9	8
209	Causes of Death in Adults with Mitochondrial Disease. <i>JIMD Reports</i> , <b>2016</b> , 26, 103-13	1.9	21
208	The ageing neuromuscular system and sarcopenia: a mitochondrial perspective. <i>Journal of Physiology</i> , <b>2016</b> , 594, 4499-512	3.9	66
207	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
206	Applying the Airbrakes: Treating Mitochondrial Disease with Hypoxia. <i>Molecular Cell</i> , <b>2016</b> , 62, 5-6	17.6	4
205	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
204	Clinical, Genetic, and Radiological Features of Extrapyrimal Movement Disorders in Mitochondrial Disease. <i>JAMA Neurology</i> , <b>2016</b> , 73, 668-74	17.2	46
203	Dysferlin mutations and mitochondrial dysfunction. <i>Neuromuscular Disorders</i> , <b>2016</b> , 26, 782-788	2.9	22
202	Pathogenic mtDNA mutations causing mitochondrial myopathy: The need for muscle biopsy. <i>Neurology: Genetics</i> , <b>2016</b> , 2, e82	3.8	16
201	Spectrum of Movement Disorders in Mitochondrial Disorders-Reply. <i>JAMA Neurology</i> , <b>2016</b> , 73, 1254-1255.2		
200	Mitochondrial dysfunction in myofibrillar myopathy. <i>Neuromuscular Disorders</i> , <b>2016</b> , 26, 691-701	2.9	22
199	Mitochondrial DNA Depletion in Respiratory Chain-Deficient Parkinson Disease Neurons. <i>Annals of Neurology</i> , <b>2016</b> , 79, 366-78	9.4	131
198	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
197	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
196	Mutations causing mitochondrial disease: What is new and what challenges remain?. <i>Science</i> , <b>2015</b> , 349, 1494-9	33.3	204



195	Mitochondrial and inflammatory changes in sporadic inclusion body myositis. <i>Neuropathology and Applied Neurobiology</i> , <b>2015</b> , 41, 288-303	5.2	49
194	A CLINICAL AUDIT OF ACUTE MANAGEMENT OF STROKE-LIKE EPISODES FROM A NATIONAL MITOCHONDRIAL DISEASE CENTRE. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2015</b> , 86, e4.161-4	5.5	5
193	The diagnosis of posterior reversible encephalopathy syndrome. <i>Lancet Neurology</i> , <b>2015</b> , 14, 1073	24.1	4
192	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
191	Potential compounds for the treatment of mitochondrial disease. <i>British Medical Bulletin</i> , <b>2015</b> , 116, 5-18	5.4	19
190	The urinary proteome and metabonome differ from normal in adults with mitochondrial disease. <i>Kidney International</i> , <b>2015</b> , 87, 610-22	9.9	26
189	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
188	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
187	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
186	Mitochondrial donation--how many women could benefit?. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 885-887	59.2	69
185	Ageing and Parkinson disease: why is advancing age the biggest risk factor?. <i>Ageing Research Reviews</i> , <b>2014</b> , 14, 19-30	12	487
184	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
183	Disease progression in patients with single, large-scale mitochondrial DNA deletions. <i>Brain</i> , <b>2014</b> , 137, 323-34	11.2	81
182	Mitochondrial DNA mutations in aging. <i>Progress in Molecular Biology and Translational Science</i> , <b>2014</b> , 127, 29-62	4	30
181	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
180	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
179	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
178	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



177	Respiratory chain deficiency in aged spinal motor neurons. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 2230-8	5.6	28
176	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
175	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
174	Mitochondrial DNA deletions and depletion within paraspinal muscles. <i>Neuropathology and Applied Neurobiology</i> , <b>2013</b> , 39, 377-89	5.2	14
173	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
172	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
171	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
170	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
169	Late-onset respiratory failure due to TK2 mutations causing multiple mtDNA deletions. <i>Neurology</i> , <b>2013</b> , 81, 2051-3	6.5	20
168	Mitochondrial DNA deletions in muscle satellite cells: implications for therapies. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 4739-47	5.6	23
167	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
166	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
165	Neuro-Sweet's disease. <i>Practical Neurology</i> , <b>2012</b> , 12, 126-30	2.4	8
164	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
163	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
162	Mitochondrial DNA and disease. <i>Journal of Pathology</i> , <b>2012</b> , 226, 274-86	9.4	195
161	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
160	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

159	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
158	Relationship between mitochondria and $\beta$ synuclein: a study of single substantia nigra neurons. <i>Archives of Neurology</i> , <b>2012</b> , 69, 385-93		38
157	Microangiopathy in the cerebellum of patients with mitochondrial DNA disease. <i>Brain</i> , <b>2012</b> , 135, 1736-50	11.2	35
156	Mitochondrial changes within axons in multiple sclerosis: an update. <i>Current Opinion in Neurology</i> , <b>2012</b> , 25, 221-30	7.1	28
155	Sensory neuropathy in patients harbouring recessive polymerase $\beta$ mutations. <i>Brain</i> , <b>2012</b> , 135, 62-71	11.2	53
154	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
153	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
152	Management of patients with dental disease and mitochondrial disorders. <i>Dental Update</i> , <b>2012</b> , 39, 654-5	5.3	0
151	Loss of myelin-associated glycoprotein in kearns-sayre syndrome. <i>Archives of Neurology</i> , <b>2012</b> , 69, 490-9		23
150	Hyperventilation during the EEG is safe in mitochondrial disease. <i>Clinical Neurophysiology</i> , <b>2011</b> , 122, 1270-1	4.3	1
149	A new biomarker for mitochondrial disease. <i>Lancet Neurology</i> , <b>2011</b> , 10, 777-8	24.1	4
148	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
147	Mitochondrial DNA deletions and neurodegeneration in multiple sclerosis. <i>Annals of Neurology</i> , <b>2011</b> , 69, 481-92	9.4	255
146	Increased mitochondrial content in remyelinated axons: implications for multiple sclerosis. <i>Brain</i> , <b>2011</b> , 134, 1901-13	11.2	110
145	Mitochondrial Mutations: Newly Discovered Players in Neuronal Degeneration. <i>Neuroscientist</i> , <b>2011</b> , 17, 645-658	7.6	12
144	Mitochondrial disease in pregnancy: a systematic review. <i>Obstetric Medicine</i> , <b>2011</b> , 4, 90-4	1.5	28
143	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
142	Mitochondrial DNA disease: new options for prevention. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, R168-74	5.6	63

141	RRM2B mutations are frequent in familial PEO with multiple mtDNA deletions. <i>Neurology</i> , <b>2011</b> , 76, 2032-4	7.4	54
140	Mitochondrial mutations: newly discovered players in neuronal degeneration. <i>Neuroscientist</i> , <b>2011</b> , 17, 645-58	7.6	7
139	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
138	Mitochondrial DNA mutations affect calcium handling in differentiated neurons. <i>Brain</i> , <b>2010</b> , 133, 787-96	11.2	42
137	The clinical, histochemical, and molecular spectrum of PEO1 (Twinkle)-linked adPEO. <i>Neurology</i> , <b>2010</b> , 74, 1619-26	6.5	73
136	Mechanism of neurodegeneration of neurons with mitochondrial DNA mutations. <i>Brain</i> , <b>2010</b> , 133, 797-807	11.2	91
135	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
134	Multi-system neurological disease is common in patients with OPA1 mutations. <i>Brain</i> , <b>2010</b> , 133, 771-86	11.2	314
133	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
132	Mitochondrial DNA and genetic disease. <i>Essays in Biochemistry</i> , <b>2010</b> , 47, 139-51	7.6	13
131	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
130	Pathogenic mitochondrial tRNA mutations--which mutations are inherited and why?. <i>Human Mutation</i> , <b>2009</b> , 30, E984-92	4.7	42
129	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
128	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
127	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
126	Batteries not included: diagnosis and management of mitochondrial disease. <i>Journal of Internal Medicine</i> , <b>2009</b> , 265, 210-28	10.8	62
125	A diagnostic tattoo. <i>Clinical Genetics</i> , <b>2009</b> , 75, 37-8	4	4
124	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

123	Quantification of mitochondrial DNA mutation load. <i>Aging Cell</i> , <b>2009</b> , 8, 566-72	9.9	34
122	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
121	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
120	Mitochondrial DNA mutations and ageing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2009</b> , 1790, 1015-20	4	43
119	Mitochondrial changes within axons in multiple sclerosis. <i>Brain</i> , <b>2009</b> , 132, 1161-74	11.2	338
118	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
117	What causes mitochondrial DNA deletions in human cells?. <i>Nature Genetics</i> , <b>2008</b> , 40, 275-9	36.3	302
116	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
115	Resistance training in patients with single, large-scale deletions of mitochondrial DNA. <i>Brain</i> , <b>2008</b> , 131, 2832-40	11.2	124
114	Melas associated with mutations in the polg1 gene. <i>Neurology</i> , <b>2008</b> , 70, 1054; author reply 1054-5	6.5	8
113	OPA1 in multiple mitochondrial DNA deletion disorders. <i>Neurology</i> , <b>2008</b> , 71, 1829-31	6.5	28
112	Gastrointestinal tract involvement associated with the 3243A>G mitochondrial DNA mutation. <i>Neurology</i> , <b>2008</b> , 70, 1290-2	6.5	20
111	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
110	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
109	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
108	Mitochondrial disease--its impact, etiology, and pathology. <i>Current Topics in Developmental Biology</i> , <b>2007</b> , 77, 113-55	5.3	145
107	Prevalence and progression of diabetes in mitochondrial disease. <i>Diabetologia</i> , <b>2007</b> , 50, 2085-9	10.3	47
106	Homoplasmy, heteroplasmy, and mitochondrial dystonia. <i>Neurology</i> , <b>2007</b> , 69, 911-6	6.5	68

105	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
104	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
103	Do mitochondrial DNA mutations have a role in neurodegenerative disease?. <i>Biochemical Society Transactions</i> , <b>2007</b> , 35, 1232-5	5.1	9
102	Investigation of metabolic myopathies. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2007</b> , 86, 193-204	3	
101	MELAS associated with mutations in the POLG1 gene. <i>Neurology</i> , <b>2007</b> , 68, 1741-2	6.5	79
100	The ageing mitochondrial genome. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 7399-405	20.1	68
99	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
98	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
97	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
96	Transmission of mitochondrial DNA disorders: possibilities for the future. <i>Lancet, The</i> , <b>2006</b> , 368, 87-9	40	88
95	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
94	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
93	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
92	Mitochondrial disease in adults: a scale to monitor progression and treatment. <i>Neurology</i> , <b>2006</b> , 66, 1932-4	2.4	106
91	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
90	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
89	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
88	Mitochondrial DNA mutations in human disease. <i>Nature Reviews Genetics</i> , <b>2005</b> , 6, 389-402	30.1	1243

87	The use of PNAs and their derivatives in mitochondrial gene therapy. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2005</b> , 10, 353-360	2.1	
86	Autosomal recessive mitochondrial ataxic syndrome due to mitochondrial polymerase gamma mutations. <i>Neurology</i> , <b>2005</b> , 64, 1204-8	6.5	224
85	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
84	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
83	Mitochondrial DNA haplogroup distribution within Leber hereditary optic neuropathy pedigrees. <i>Journal of Medical Genetics</i> , <b>2004</b> , 41, e41	5.8	36
82	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
81	Mitochondrial DNA deletion in "identical" twin brothers. <i>Journal of Medical Genetics</i> , <b>2004</b> , 41, e19	5.8	49
80	Mitochondrial DNA mutations in the haematopoietic system. <i>Leukemia</i> , <b>2004</b> , 18, 169-70	10.7	
79	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
78	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
77	Mutations of ANT1, Twinkle, and POLG1 in sporadic progressive external ophthalmoplegia (PEO). <i>Neurology</i> , <b>2003</b> , 60, 1354-6	6.5	141
76	Investigation of mitochondrial function in hereditary spastic paraparesis. <i>NeuroReport</i> , <b>2003</b> , 14, 485-8	1.7	25
75	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
74	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		
73	Somatic mitochondrial DNA mutations in adult-onset leukaemia. <i>Leukemia</i> , <b>2003</b> , 17, 2487-91	10.7	63
72	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
71	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
70	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

69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	Mitochondrial enteropathy: the primary pathology may not be within the gastrointestinal tract. <i>Gut</i> , <b>2001</b> , 48, 121-4	19.2	20
61	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
60	Mitochondrial enzyme-deficient hippocampal neurons and choroidal cells in AD. <i>Neurology</i> , <b>2001</b> , 57, 260-4	6.5	145
59	Analysis of European mtDNAs for recombination. <i>American Journal of Human Genetics</i> , <b>2001</b> , 68, 145-153	11	102
58	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
57	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
56	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
55	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
54	Current perspectives in the treatment of mitochondrial DNA diseases. <i>Functional Neurology</i> , <b>2001</b> , 16, 89-96	2.2	
53	The epidemiology of pathogenic mitochondrial DNA mutations. <i>Annals of Neurology</i> , <b>2000</b> , 48, 188-193	9.4	352
52	Peptide nucleic acid and delivery to human mitochondria. <i>Gene Therapy</i> , <b>2000</b> , 7, 813	4	8



51	Mitochondrial DNA mutations in the pathogenesis of human disease. <i>Trends in Molecular Medicine</i> , <b>2000</b> , 6, 425-32		67
50	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
49	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
48	The spectrum of hearing loss due to mitochondrial DNA defects. <i>Brain</i> , <b>2000</b> , 123 ( Pt 1), 82-92	11.2	108
47	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
46	Analysis of mitochondrial DNA mutations : point mutations. <i>Methods in Molecular Medicine</i> , <b>2000</b> , 38, 265-77		1
45	Pathogenic mitochondrial DNA mutations and human reproduction. <i>Human Fertility</i> , <b>1999</b> , 2, 133-137	1.9	3
44	Reanalysis and revision of the Cambridge reference sequence for human mitochondrial DNA. <i>Nature Genetics</i> , <b>1999</b> , 23, 147	36.3	2349
43	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
42	Mitochondrial DNA and disease. <i>Lancet, The</i> , <b>1999</b> , 354 Suppl 1, S117-21	4.0	97
41	Peptide nucleic acid delivery to human mitochondria. <i>Gene Therapy</i> , <b>1999</b> , 6, 1919-28	4	156
40	Mitochondrial genotype and clinical phenotype. <i>Journal of Inherited Metabolic Disease</i> , <b>1998</b> , 21, 321-5	5.4	5
39	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
38	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
37	Mitochondrial diabetes: investigation and identification of a novel mutation. <i>Diabetes</i> , <b>1998</b> , 47, 1800-2	0.9	47
36	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
35	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
34	Reversal of a mitochondrial DNA defect in human skeletal muscle. <i>Nature Genetics</i> , <b>1997</b> , 16, 222-4	36.3	129

33	Mammalian mitochondrial genetics: heredity, heteroplasmy and disease. <i>Trends in Genetics</i> , <b>1997</b> , 13, 450-5	8.5	356
32	Mitochondrial function in muscle from elderly athletes. <i>Annals of Neurology</i> , <b>1997</b> , 41, 114-6	9.4	36
31	A novel mitochondrial tRNA phenylalanine mutation presenting with acute rhabdomyolysis. <i>Annals of Neurology</i> , <b>1997</b> , 41, 408-10	9.4	44
30	Maternally inherited diabetes and deafness: prevalence in a hospital diabetic population. <i>Diabetic Medicine</i> , <b>1997</b> , 14, 457-60	3.5	41
29	Mitochondrial related diabetes: a clinical perspective. <i>Diabetic Medicine</i> , <b>1997</b> , 14, 1007-9	3.5	8
28	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
27	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
26	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
25	Disorders of the electron transport chain. <i>Journal of Inherited Metabolic Disease</i> , <b>1996</b> , 19, 463-9	5.4	7
24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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

15	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
14	Immunoreactive enzyme protein in medium-chain acyl-CoA dehydrogenase deficiency. <i>Biochemical Medicine and Metabolic Biology</i> , <b>1991</b> , 46, 373-9		9
13	Defects of the respiratory chain. <i>Baillieres Clinical Endocrinology and Metabolism</i> , <b>1990</b> , 4, 583-619		5
12	Short-chain acyl-CoA dehydrogenase deficiency. <i>Progress in Clinical and Biological Research</i> , <b>1990</b> , 321, 313-24		
11	Biochemical investigation of muscle disease. <i>Annals of Clinical Biochemistry</i> , <b>1989</b> , 26 ( Pt 6), 472-6	2.2	4
10	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
9	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
8	Lipid storage myopathy associated with low acyl-CoA dehydrogenase activities. <i>Brain</i> , <b>1988</b> , 111 ( Pt 4), 815-28	11.2	15
7	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
6	Mitochondrial oxidations and tissue carnitine concentrations in riboflavin-deficient rats. <i>Biochemical Society Transactions</i> , <b>1985</b> , 13, 895-896	5.1	5
5	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
4	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
3	Mitochondrial myopathy with skeletal muscle cytochrome oxidase deficiency. <i>Journal of Inherited Metabolic Disease</i> , <b>1982</b> , 5, 27-28	5.4	23
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