I J Holt

List of Publications by Year in descending order

42 papers	6,091 citations	136740 32 h-index	264894 42 g-index
42 all docs	42 docs citations	42 times ranked	3763 citing authors

#	Article	IF	Citations
1	Deletions of muscle mitochondrial DNA in patients with mitochondrial myopathies. Nature, 1988, 331, 717-719.	13.7	1,793
2	A new mitochondrial disease associated with mitochondrial DNA heteroplasmy. American Journal of Human Genetics, 1990, 46, 428-33.	2.6	773
3	Coupled Leading- and Lagging-Strand Synthesis of Mammalian Mitochondrial DNA. Cell, 2000, 100, 515-524.	13.5	372
4	Mitochondrial myopathies: Clinical and biochemical features of 30 patients with major deletions of muscle mitochondrial DNA. Annals of Neurology, 1989, 26, 699-708.	2.8	309
5	Pearson syndrome and mitochondrial encephalomyopathy in a patient with a deletion of mtDNA. American Journal of Human Genetics, 1991, 48, 39-42.	2.6	207
6	Different cellular backgrounds confer a marked advantage to either mutant or wild-type mitochondrial genomes.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6562-6566.	3.3	198
7	Mitochondrial nucleoid interacting proteins support mitochondrial protein synthesis. Nucleic Acids Research, 2012, 40, 6109-6121.	6.5	195
8	Genetic heterogeneity and mitochondrial DNA heteroplasmy in Leber's hereditary optic neuropathy.. Journal of Medical Genetics, 1989, 26, 739-743.	1.5	157
9	Human mtDNA sublimons resemble rearranged mitochondrial genomes found in pathological states. Human Molecular Genetics, 2000, 9, 2821-2835.	1.4	121
10	Human Mitochondrial DNA Replication. Cold Spring Harbor Perspectives in Biology, 2012, 4, a012971-a012971.	2.3	121
11	Complex I deficiency is Associated with 3243G:C Mitochondrial DNA in Osteosarcoma Cell Cybrids. Human Molecular Genetics, 1996, 5, 123-129.	1.4	117
12	Mitochondrial DNA analysis in Parkinson's disease. Movement Disorders, 1990, 5, 294-297.	2.2	112
13	Maternally transmitted partial direct tandem duplication of mitochondrial DNA associated with diabetes mellitus. Human Molecular Genetics, 1993, 2, 1619-1624.	1.4	112
14	Impaired ATP Synthase Assembly Associated with a Mutation in the Human ATP Synthase Subunit 6 Gene. Journal of Biological Chemistry, 2001, 276, 6755-6762.	1.6	106
15	A tRNA suppressor mutation in human mitochondria. Nature Genetics, 1998, 18, 350-353.	9.4	103
16	Nuclear complementation restores mtDNA levels in cultured cells from a patient with mtDNA depletion. American Journal of Human Genetics, 1993, 53, 663-9.	2.6	95
17	Actin and myosin contribute to mammalian mitochondrial DNA maintenance. Nucleic Acids Research, 2011, 39, 5098-5108.	6.5	94
18	Deletions of muscle mitochondrial DNA in mitochondrial myopathies: sequence analysis and possible mechanisms. Nucleic Acids Research, 1989, 17, 4465-4469.	6.5	93

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19	Prominent mitochondrial DNA recombination intermediates in human heart muscle. EMBO Reports, 2001, 2, 1007-1012.	2.0	92
20	Behaviour of a population of partially duplicated mitochondrial DNA molecules in cell culture: segregation, maintenance and recombination dependent upon nuclear background. Human Molecular Genetics, 1997, 6, 1251-1260.	1.4	91
21	Prenatal diagnosis of mitochondrial DNA8993 T----G disease. American Journal of Human Genetics, 1992, 50, 629-33.	2.6	79
22	Human C4orf14 interacts with the mitochondrial nucleoid and is involved in the biogenesis of the small mitochondrial ribosomal subunit. Nucleic Acids Research, 2012, 40, 6097-6108.	6.5	74
23	The accessory subunit of mitochondrial DNA polymerase Î³ determines the DNA content of mitochondrial nucleoids in human cultured cells. Nucleic Acids Research, 2009, 37, 5701-5713.	6.5	69
24	Do sequence variants in the major non-coding region of the mitochondrial genome influence mitochondrial mutations associated with disease?. Human Molecular Genetics, 1996, 5, 473-479.	1.4	61
25	DELETIONS OF MUSCLE MITOCHONDRIAL DNA. Lancet, The, 1988, 331, 1462.	6.3	60
26	Genotypic Stability, Segregation and Selection in Heteroplasmic Human Cell Lines Containing np 3243 Mutant mtDNA. Genetics, 2000, 154, 363-380.	1.2	57
27	Mitochondrial DNA: does more lead to less?. Nature Genetics, 1994, 8, 313-315.	9.4	53
28	Molecular Phenotype of a Human Lymphoblastoid Cell-line Homoplasmic for the np 7445 Deafness-associated Mitochondrial Mutation. Human Molecular Genetics, 1997, 6, 443-449.	1.4	49
29	MOLECULAR GENETICS OF AMYLOID NEUROPATHY IN EUROPE. Lancet, The, 1989, 333, 524-526.	6.3	39
30	The np 3243 MELAS mutation: damned if you aminoacylate, damned if you don't. Human Molecular Genetics, 2000, 9, 463-465.	1.4	39
31	Evidence for intramitochondrial complementation between deleted and normal mitochondrial DNA in some patients with mitochondrial myopathy. Journal of the Neurological Sciences, 1992, 107, 87-92.	0.3	37
32	Mitochondrial DNA polymorphism in mitochondrial myopathy. Human Genetics, 1988, 79, 53-57.	1.8	36
33	Mitochondrial tRNALeu isoforms in lung carcinoma cybrid cells containing the np 3243 mtDNA mutation. Human Molecular Genetics, 1998, 7, 2141-2147.	1.4	33
34	Introduction of Heteroplasmic Mitochondrial DNA (MtDNA) from a Patient with NARP Into Two Human ÂÂ cell Lines Is Associated Either With Selection and Maintenance of NARP Mutant MtDNA or Failure to Maintain MtDNA. Human Molecular Genetics, 1999, 8, 1751-1755.	1.4	29
35	The molecular pathology of respiratory-chain dysfunction in human mitochondrial myopathies. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1018, 217-222.	0.5	27
36	Mitochondrial myopathies: genetic defects. Biochemical Society Transactions, 1990, 18, 519-522.	1.6	22

#	Article	IF	Citations
37	Mitochondrial myopathies: clinical defects. Biochemical Society Transactions, 1990, 18, 523-526.	1.6	13
38	Cultured muscle cells display defects of mitochondrial myopathy ameliorated by anti-oxidants. Brain, 2007, 130, 2715-2724.	3.7	13
39	Mitochondrial myopathies. British Medical Bulletin, 1989, 45, 760-771.	2.7	12
40	The yeast Holliday junction resolvase, CCE1, can restore wild-type mitochondrial DNA to human cells carrying rearranged mitochondrial DNA. Human Molecular Genetics, 2007, 16, 2306-2314.	1.4	11
41	Restriction endonuclease analysis of leukocyte mitochondrial DNA in Leber's optic atrophy.. Journal of Neurology, Neurosurgery and Psychiatry, 1988, 51, 1075-1077.	0.9	9
42	Rhabdomyosarcoma ï0 cells: isolation and characterization of a mitochondrial DNA depleted cell line with â€˜muscle-likeâ€™ properties. Neuromuscular Disorders, 2000, 10, 454-459.	0.3	8