Antonio Torroni

List of Publications by Year
in descending order

209 papers	24,944 citations	7069 78 h-index	7333 152 g-index
219 all docs	219 docs citations	219 times ranked	13438 citing authors

#	Article	IF	Citations
1	Tracing European Founder Lineages in the Near Eastern mtDNA Pool. American Journal of Human Genetics, 2000, 67, 1251-1276.	2.6	837
2	Distinctive Paleo-Indian Migration Routes from Beringia Marked by Two Rare mtDNA Haplogroups. Current Biology, 2009, 19, 1-8.	1.8	738
3	Genomic insights into the origin of farming in the ancient Near East. Nature, 2016, 536, 419-424.	13.7	733
4	Single, Rapid Coastal Settlement of Asia Revealed by Analysis of Complete Mitochondrial Genomes. Science, 2005, 308, 1034-1036.	6.0	710
5	Classification of European mtDNAs From an Analysis of Three European Populations. Genetics, 1996, 144, 1835-1850.	1.2	709
6	The Emerging Tree of West Eurasian mtDNAs: A Synthesis of Control-Region Sequences and RFLPs. American Journal of Human Genetics, 1999, 64, 232-249.	2.6	549
7	Origin and evolution of Native American mtDNA variation: a reappraisal. American Journal of Human Genetics, 1996, 59, 935-45.	2.6	536
8	Familial Progressive Sensorineural Deafness Is Mainly Due to the mtDNA A1555G Mutation and Is Enhanced by Treatment with Aminoglycosides. American Journal of Human Genetics, 1998, 62, 27-35.	2.6	504
9	Asian affinities and continental radiation of the four founding Native American mtDNAs. American Journal of Human Genetics, 1993, 53, 563-90.	2.6	477
10	Mitochondrial DNA Variants Observed in Alzheimer Disease and Parkinson Disease Patients. Genomics, 1993, 17, 171-184.	1.3	456
11	Native American mitochondrial DNA analysis indicates that the Amerind and the Nadene populations were founded by two independent migrations.. Genetics, 1992, 130, 153-162.	1.2	435
12	A â€œCopernicanâ€•Reassessment of the Human Mitochondrial DNA Tree from its Root. American Journal of Human Genetics, 2012, 90, 675-684.	2.6	416
13	The Molecular Dissection of mtDNA Haplogroup H Confirms That the Franco-Cantabrian Glacial Refuge Was a Major Source for the European Gene Pool. American Journal of Human Genetics, 2004, 75, 910-918.	2.6	397
14	Harvesting the fruit of the human mtDNA tree. Trends in Genetics, 2006, 22, 339-345.	2.9	397
15	The Role of Selection in the Evolution of Human Mitochondrial Genomes. Genetics, 2006, 172, 373-387.	1.2	395
16	Where West Meets East: The Complex mtDNA Landscape of the Southwest and Central Asian Corridor. American Journal of Human Genetics, 2004, 74, 827-845.	2.6	375
17	mtDNA Analysis Reveals a Major Late Paleolithic Population Expansion from Southwestern to Northeastern Europe. American Journal of Human Genetics, 1998, 62, 1137-1152.	2.6	354
18	Updating the East Asian mtDNA phylogeny: a prerequisite for the identification of pathogenic mutations. Human Molecular Genetics, 2006, 15, 2076-2086.	1.4	346

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19	Origin, Diffusion, and Differentiation of Y-Chromosome Haplogroups E and J: Inferences on the Neolithization of Europe and Later Migratory Events in the Mediterranean Area. American Journal of Human Genetics, 2004, 74, 1023-1034.	2.6	345
20	Clinical Expression of Leber Hereditary Optic Neuropathy Is Affected by the Mitochondrial DNAâ€“Haplogroup Background. American Journal of Human Genetics, 2007, 81, 228-233.	2.6	331
21	Southeast Asian mitochondrial DNA analysis reveals genetic continuity of ancient mongoloid migrations.. Genetics, 1992, 130, 139-152.	1.2	329
22	Haplotype and phylogenetic analyses suggest that one European-specific mtDNA background plays a role in the expression of Leber hereditary optic neuropathy by increasing the penetrance of the primary mutations 11778 and 14484. American Journal of Human Genetics, 1997, 60, 1107-21.	2.6	326
23	A Back Migration from Asia to Sub-Saharan Africa Is Supported by High-Resolution Analysis of Human Y-Chromosome Haplotypes. American Journal of Human Genetics, 2002, 70, 1197-1214.	2.6	318
24	Mitochondrial oxidative phosphorylation defects in parkinson's disease. Annals of Neurology, 1991, 30, 332-339.	2.8	314
25	Most of the extant mtDNA boundaries in south and southwest Asia were likely shaped during the initial settlement of Eurasia by anatomically modern humans. BMC Genetics, 2004, 5, 26.	2.7	305
26	Tracing European founder lineages in the Near Eastern mtDNA pool. American Journal of Human Genetics, 2000, 67, 1251-76.	2.6	288
27	A Signal, from Human mtDNA, of Postglacial Recolonization in Europe. American Journal of Human Genetics, 2001, 69, 844-852.	2.6	267
28	mtDNA variation of aboriginal Siberians reveals distinct genetic affinities with Native Americans. American Journal of Human Genetics, 1993, 53, 591-608.	2.6	267
29	mtDNA Haplogroup X: An Ancient Link between Europe/Western Asia and North America?. American Journal of Human Genetics, 1998, 63, 1852-1861.	2.6	263
30	The mtDNA Legacy of the Levantine Early Upper Palaeolithic in Africa. Science, 2006, 314, 1767-1770.	6.0	257
31	Phylogeography of Y-Chromosome Haplogroup I Reveals Distinct Domains of Prehistoric Gene Flow in Europe. American Journal of Human Genetics, 2004, 75, 128-137.	2.6	256
32	Mitochondrial DNA complex I and III mutations associated with Leber's hereditary optic neuropathy.. Genetics, 1992, 130, 163-173.	1.2	255
33	Differential expression of adenine nucleotide translocator isoforms in mammalian tissues and during muscle cell differentiation. Journal of Biological Chemistry, 1992, 267, 14592-7.	1.6	238
34	Phylogenetic analysis of Leber's hereditary optic neuropathy mitochondrial DNA's indicates multiple independent occurrences of the common mutations. Human Mutation, 1995, 6, 311-325.	1.1	235
35	Mitochondrial genomes of extinct aurochs survive in domestic cattle. Current Biology, 2008, 18, R157-R158.	1.8	231
36	The Phylogeny of the Four Pan-American MtDNA Haplogroups: Implications for Evolutionary and Disease Studies. PLoS ONE, 2008, 3, e1764.	1.1	227

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37	Phylogenetic Star Contraction Applied to Asian and Papuan mtDNA Evolution. Molecular Biology and Evolution, 2001, 18, 1864-1881.	3.5	224
38	mtDNA and the origin of Caucasians: identification of ancient Caucasian-specific haplogroups, one of which is prone to a recurrent somatic duplication in the D-loop region. American Journal of Human Genetics, 1994, 55, 760-76.	2.6	218
39	The African Diaspora: Mitochondrial DNA and the Atlantic Slave Trade. American Journal of Human Genetics, 2004, 74, 454-465.	2.6	213
40	Analysis of mtDNA variation in African populations reveals the most ancient of all human continent-specific haplogroups. American Journal of Human Genetics, 1995, 57, 133-49.	2.6	213
41	The Archaeogenetics of Europe. Current Biology, 2010, 20, R174-R183.	1.8	210
42	Mitochondrial genomes from modern horses reveal the major haplogroups that underwent domestication. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2449-2454.	3.3	198
43	Phylogeographic Analysis of Haplogroup E3b (E-M215) Y Chromosomes Reveals Multiple Migratory Events Within and Out Of Africa. American Journal of Human Genetics, 2004, 74, 1014-1022.	2.6	197
44	Mitochondrial DNA haplogroup K is associated with a lower risk of Parkinson's disease in Italians. European Journal of Human Genetics, 2005, 13, 748-752.	1.4	197
45	Saami and Berbersâ€"An Unexpected Mitochondrial DNA Link. American Journal of Human Genetics, 2005, 76, 883-886.	2.6	196
46	Mitochondrial DNA "clock" for the Amerinds and its implications for timing their entry into North America.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1158-1162.	3.3	188
47	Mitochondrial DNA analysis in Tibet: Implications for the origin of the Tibetan population and its adaptation to high altitude. American Journal of Physical Anthropology, 1994, 93, 189-199.	2.1	187
48	Do the Four Clades of the mtDNA Haplogroup L2 Evolve at Different Rates?. American Journal of Human Genetics, 2001, 69, 1348-1356.	2.6	185
49	Mitochondrial DNA Diversity in Indigenous Populations of the Southern Extent of Siberia, and the Origins of Native American Haplogroups. Annals of Human Genetics, 2005, 69, 67-89.	0.3	175
50	Rapid coastal spread of First Americans: Novel insights from South America's Southern Cone mitochondrial genomes. Genome Research, 2012, 22, 811-820.	2.4	167
51	Haplogroup Effects and Recombination of Mitochondrial DNA: Novel Clues from the Analysis of Leber Hereditary Optic Neuropathy Pedigrees. American Journal of Human Genetics, 2006, 78, 564-574.	2.6	166
52	Prehistoric and historic traces in the mtDNA of Mozambique: insights into the Bantu expansions and the slave trade. Annals of Human Genetics, 2001, 65, 439-458.	0.3	158
53	The Multifaceted Origin of Taurine Cattle Reflected by the Mitochondrial Genome. PLoS ONE, 2009, 4, e5753.	1.1	157
54	Mitochondrial DNA Signals of Late Glacial Recolonization of Europe from Near Eastern Refugia. American Journal of Human Genetics, 2012, 90, 915-924.	2.6	150

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55	Origin and Diffusion of mtDNA Haplogroup X. American Journal of Human Genetics, 2003, 73, 1178-1190.	2.6	148
56	The initial peopling of the Americas: A growing number of founding mitochondrial genomes from Beringia. Genome Research, 2010, 20, 1174-1179.	2.4	147
57	The Matrilineal Ancestry of Ashkenazi Jewry: Portrait of a Recent Founder Event. American Journal of Human Genetics, 2006, 78, 487-497.	2.6	140
58	Mitochondrial DNA background modulates the assembly kinetics of OXPHOS complexes in a cellular model of mitochondrial disease. Human Molecular Genetics, 2008, 17, 4001-4011.	1.4	140
59	Y-chromosomal evidence of the cultural diffusion of agriculture in southeast Europe. European Journal of Human Genetics, 2009, 17, 820-830.	1.4	136
60	Y-chromosome and mtDNA polymorphisms in Iraq, a crossroad of the early human dispersal and of post-Neolithic migrations. Molecular Phylogenetics and Evolution, 2003, 28, 458-472.	1.2	135
61	In Search of Geographical Patterns in European Mitochondrial DNA. American Journal of Human Genetics, 2002, 71, 1168-1174.	2.6	129
62	Founding Mothers of Jewish Communities: Geographically Separated Jewish Groups Were Independently Founded by Very Few Female Ancestors. American Journal of Human Genetics, 2002, 70, 1411-1420.	2.6	126
63	Reconciling migration models to the Americas with the variation of North American native mitogenomes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14308-14313.	3.3	122
64	mtDNA and Y-chromosome polymorphisms in four Native American populations from southern Mexico. American Journal of Human Genetics, 1994, 54, 303-18.	2.6	122
65	American Indian prehistory as written in the mitochondrial DNA: a review. Human Biology, 1992, 64, 403-16.	0.4	122
66	Evidence for Sub-Haplogroup H5 of Mitochondrial DNA as a Risk Factor for Late Onset Alzheimer's Disease. PLoS ONE, 2010, 5, e12037.	1.1	117
67	Extensive Female-Mediated Gene Flow from Sub-Saharan Africa into Near Eastern Arab Populations. American Journal of Human Genetics, 2003, 72, 1058-1064.	2.6	116
68	The A1555G Mutation in the 12S rRNA Gene of Human mtDNA: Recurrent Origins and Founder Events in Families Affected by Sensorineural Deafness. American Journal of Human Genetics, 1999, 65, 1349-1358.	2.6	111
69	Combined Use of Biallelic and Microsatellite Y-Chromosome Polymorphisms to Infer Affinities among African Populations. American Journal of Human Genetics, 1999, 65, 829-846.	2.6	107
70	Mitochondrial DNA Variation of Modern Tuscans Supports the Near Eastern Origin of Etruscans. American Journal of Human Genetics, 2007, 80, 759-768.	2.6	106
71	Autosomal and uniparental portraits of the native populations of Sakha (Yakutia): implications for the peopling of Northeast Eurasia. BMC Evolutionary Biology, 2013, 13, 127.	3.2	106
72	Identification of Native American Founder mtDNAs Through the Analysis of Complete mtDNA Sequences: Some Caveats. Annals of Human Genetics, 2003, 67, 512-524.	0.3	103

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73	The ND1 gene of complex I is a mutational hot spot for Leber's hereditary optic neuropathy. Annals of Neurology, 2004, 56, 631-641.	2.8	102
74	Neoplastic transformation is associated with coordinate induction of nuclear and cytoplasmic oxidative phosphorylation genes. Journal of Biological Chemistry, 1990, 265, 20589-93.	1.6	101
75	Origin and Spread of Bos taurus: New Clues from Mitochondrial Genomes Belonging to Haplogroup T1. PLoS ONE, 2012, 7, e38601.	1.1	93
76	The Genomic Impact of European Colonization of the Americas. Current Biology, 2019, 29, 3974-3986.e4.	1.8	89
77	Ancient Migratory Events in the Middle East: New Clues from the Y-Chromosome Variation of Modern Iranians. PLoS ONE, 2012, 7, e41252.	1.1	86
78	The Enigmatic Origin of Bovine mtDNA Haplogroup R: Sporadic Interbreeding or an Independent Event of Bos primigenius Domestication in Italy?. PLoS ONE, 2010, 5, e15760.	1.1	84
79	mtDNA Haplogroups and Frequency Patterns in Europe. American Journal of Human Genetics, 2000, 66, 1173-1177.	2.6	83
80	Y chromosome polymorphisms in Native American and Siberian populations: identification of Native American Y chromosome haplotypes. Human Genetics, 1997, 100, 536-543.	1.8	81
81	Mitochondrial DNA variation in human populations and implications for detection of mitochondrial DNA mutations of pathological significance. Journal of Bioenergetics and Biomembranes, 1994, 26, 261-271.	1.0	80
82	Human Y-chromosome variation in the Western Mediterranean area: implications for the peopling of the region. Human Immunology, 2001, 62, 871-884.	1.2	79
83	The First Peopling of South America: New Evidence from Y-Chromosome Haplogroup Q. PLoS ONE, 2013, 8, e71390.	1.1	78
84	The Background of Mitochondrial DNA Haplogroup J Increases the Sensitivity of Leber's Hereditary Optic Neuropathy Cells to 2,5-Hexanedione Toxicity. PLoS ONE, 2009, 4, e7922.	1.1	76
85	Low â€œpenetranceâ€•of phylogenetic knowledge in mitochondrial disease studies. Biochemical and Biophysical Research Communications, 2005, 333, 122-130.	1.0	74
86	The mystery of Etruscan origins: novel clues from Bos taurus mitochondrial DNA. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1175-1179.	1.2	74
87	Mitochondrial DNA Backgrounds Might Modulate Diabetes Complications Rather than T2DM as a Whole. PLoS ONE, 2011, 6, e21029.	1.1	74
88	Phylogeography of the human mitochondrial haplogroup L3e: a snapshot of African prehistory and Atlantic slave trade. Annals of Human Genetics, 2001, 65, 549-563.	0.3	73
89	Rare Primary Mitochondrial DNA Mutations and Probable Synergistic Variants in Leberâ€™s Hereditary Optic Neuropathy. PLoS ONE, 2012, 7, e42242.	1.1	73
90	Mitochondrial DNA Sequence Diversity in Bipolar Affective Disorder. American Journal of Psychiatry, 2000, 157, 1058-1064.	4.0	71

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91	Differential Structuring of Human Populations for Homologous X and Y Microsatellite Loci. American Journal of Human Genetics, 1997, 61, 719-733.	2.6	70
92	No Evidence from Genome-Wide Data of a Khazar Origin for the Ashkenazi Jews. Human Biology, 2013, 85, 859-900.	0.4	68
93	The Peopling of Modern Bosnia-Herzegovina: Y-chromosome Haplogroups in the Three Main Ethnic Groups. Annals of Human Genetics, 2005, 69, 757-763.	0.3	66
94	Rare mtDNA variants in Leber hereditary optic neuropathy families with recurrence of myoclonus. Neurology, 2008, 70, 762-770.	1.5	66
95	Prehistoric and historic traces in the mtDNA of Mozambique: insights into the Bantu expansions and the slave trade. Annals of Human Genetics, 2001, 65, 439-58.	0.3	66
96	Mitochondrial and Y-chromosome diversity of the Tharus (Nepal): a reservoir of genetic variation. BMC Evolutionary Biology, 2009, 9, 154.	3.2	63
97	The Complex and Diversified Mitochondrial Gene Pool of Berber Populations. Annals of Human Genetics, 2009, 73, 196-214.	0.3	63
98	Epidemic Neuropathy in Cuba Not Associated With Mitochondrial DNA Mutations Found in Leber's Hereditary Optic Neuropathy Patients. American Journal of Ophthalmology, 1994, 118, 158-168.	1.7	62
99	Mitochondrial Haplogroup U5b3: A Distant Echo of the Epipaleolithic in Italy and the Legacy of the Early Sardinians. American Journal of Human Genetics, 2009, 84, 814-821.	2.6	62
100	Mitogenome Diversity in Sardinians: A Genetic Window onto an Island's Past. Molecular Biology and Evolution, 2017, 34, 1230-1239.	3.5	61
101	Mitochondrial haplogroup C4c: A rare lineage entering America through the iceâ€free corridor?. American Journal of Physical Anthropology, 2012, 147, 35-39.	2.1	60
102	A mitochondrial DNA variant, identified in Leber hereditary optic neuropathy patients, which extends the amino acid sequence of cytochrome c oxidase subunit I. American Journal of Human Genetics, 1992, 51, 378-85.	2.6	60
103	The peopling of South America and the trans-Andean gene flow of the first settlers. Genome Research, 2018, 28, 767-779.	2.4	59
104	Genealogical Relationships between Early Medieval and Modern Inhabitants of Piedmont. PLoS ONE, 2015, 10, e0116801.	1.1	58
105	Y chromosome DNA polymorphisms in human populations: differences between Caucasoids and Africans detected by 49a and 49f probes. Annals of Human Genetics, 1990, 54, 287-296.	0.3	57
106	Arrival of Paleo-Indians to the Southern Cone of South America: New Clues from Mitogenomes. PLoS ONE, 2012, 7, e51311.	1.1	57
107	Reconstructing ancient mitochondrial DNA links between Africa and Europe. Genome Research, 2012, 22, 821-826.	2.4	57
108	Respiratory function in cybrid cell lines carrying European mtDNA haplogroups: implications for Leber's hereditary optic neuropathy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2002, 1588, 7-14.	1.8	55

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109	The Worldwide Spread of the Tiger Mosquito as Revealed by Mitogenome Haplogroup Diversity. Frontiers in Genetics, 2016, 7, 208.	1.1	54
110	The Paleo-Indian Entry into South America According to Mitogenomes. Molecular Biology and Evolution, 2018, 35, 299-311.	3.5	54
111	Population structure of modern-day Italians reveals patterns of ancient and archaic ancestries in Southern Europe. Science Advances, 2019, 5, eaaw3492.	4.7	53
112	Mitogenomes from Two Uncommon Haplogroups Mark Late Glacial/Postglacial Expansions from the Near East and Neolithic Dispersals within Europe. PLoS ONE, 2013, 8, e70492.	1.1	51
113	Genetic studies on the Senegal population. I. Mitochondrial DNA polymorphisms. American Journal of Human Genetics, 1988, 43, 534-44.	2.6	51
114	FMR1 in global populations. American Journal of Human Genetics, 1996, 58, 513-22.	2.6	51
115	Mitochondrial DNA nucleotide changes C14482G and C14482A in the ND6 gene are pathogenic for Leber's hereditary optic neuropathy. Annals of Neurology, 2002, 51, 774-778.	2.8	50
116	The common, Nearâ€Eastern origin of Ashkenazi and Sephardi Jews supported by Yâ€chromosome similarity. Annals of Human Genetics, 1993, 57, 55-64.	0.3	49
117	In search of the genetic footprints of Sumerians: a survey of Y-chromosome and mtDNA variation in the Marsh Arabs of Iraq. BMC Evolutionary Biology, 2011, 11, 288.	3.2	48
118	Mitochondrial DNA Haplogroups Do Not Play a Role in the Variable Phenotypic Presentation of the A3243G Mutation. American Journal of Human Genetics, 2003, 72, 1005-1012.	2.6	47
119	Peculiar combinations of individually non-pathogenic missense mitochondrial DNA variants cause low penetrance Leberâ€™s hereditary optic neuropathy. PLoS Genetics, 2018, 14, e1007210.	1.5	47
120	Phylogeography of mtDNA haplogroup R7 in the Indian peninsula. BMC Evolutionary Biology, 2008, 8, 227.	3.2	45
121	Mitochondrial Haplogroup H1 in North Africa: An Early Holocene Arrival from Iberia. PLoS ONE, 2010, 5, e13378.	1.1	44
122	Patterns of male-specific inter-population divergence in Europe, West Asia and North Africa. Annals of Human Genetics, 2000, 64, 395-412.	0.3	43
123	Mitogenomes from Egyptian Cattle Breeds: New Clues on the Origin of Haplogroup Q and the Early Spread of Bos taurus from the Near East. PLoS ONE, 2015, 10, e0141170.	1.1	41
124	Mitochondrial oxidative phosphorylation defects in Parkinson's disease. Annals of Neurology, 1992, 32, 113-114.	2.8	40
125	Mapping human dispersals into the Horn of Africa from Arabian Ice Age refugia using mitogenomes. Scientific Reports, 2016, 6, 25472.	1.6	40
126	Analysis of ancestry informative markers in three main ethnic groups from Ecuador supports a trihybrid origin of Ecuadorians. Forensic Science International: Genetics, 2017, 31, 29-33.	1.6	40

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127	Normal variation at the myotonic dystrophy locus in global human populations. American Journal of Human Genetics, 1995, 56, 123-30.	2.6	40
128	Molecular dissection of the Y chromosome haplogroup E-M78 (E3b1a): a posteriori evaluation of a microsatellite-network-based approach through six new biallelic markers. Human Mutation, 2006, 27, 831-832.	1.1	39
129	Mitochondrial DNA polymorphisms in Italy II. Molecular analysis of new and rare morphs from Sardinia and Rome. Annals of Human Genetics, 1988, 52, 39-56.	0.3	38
130	A Novel in-Frame 18-bp Microdeletion inMT-CYBCauses a Multisystem Disorder with Prominent Exercise Intolerance. Human Mutation, 2014, 35, 954-958.	1.1	38
131	mtDNA and Y chromosome-specific polymorphisms in modern Ojibwa: implications about the origin of their gene pool. American Journal of Human Genetics, 1997, 60, 241-4.	2.6	38
132	MtDNA haplogroups in Native Americans. American Journal of Human Genetics, 1995, 56, 1234-8.	2.6	38
133	Report of the committee on human mitochondrial DNA. Cytogenetic and Genome Research, 1991, 58, 1103-1123.	0.6	37
134	Mitochondrial DNA polymorphisms in Italy; III. Population data from Sicily: a possible quantitation of maternal African ancestry. Annals of Human Genetics, 1989, 53, 193-202.	0.3	36
135	Analysis of the human Y-chromosome haplogroup Q characterizes ancient population movements in Eurasia and the Americas. BMC Biology, 2019, 17, 3.	1.7	36
136	American Indian Prehistory as Written in the Mitochondrial DNA: A Review. Human Biology, 2009, 81, 509-521.	0.4	35
137	Phylogeography of the human mitochondrial haplogroup L3e: a snapshot of African prehistory and Atlantic slave trade. Annals of Human Genetics, 2001, 65, 549-63.	0.3	33
138	Frequency distribution of mitochondrial DNA haplogroups in Corsica and Sardinia. Human Biology, 2000, 72, 585-95.	0.4	33
139	Bulgarians vs the other European populations: a mitochondrial DNA perspective. International Journal of Legal Medicine, 2012, 126, 497-503.	1.2	32
140	Small effective population size and genetic homogeneity in the Val Borbera isolate. European Journal of Human Genetics, 2013, 21, 89-94.	1.4	32
141	Human settlement history between Sunda and Sahul: a focus on East Timor (Timor-Leste) and the Pleistocenic mtDNA diversity. BMC Genomics, 2015, 16, 70.	1.2	32
142	Report of the committee on human mitochondrial DNA. Cytogenetic and Genome Research, 1990, 55, 395-405.	0.6	31
143	About the â€œPathologicalâ€•Role of the mtDNA T3308C Mutationâ€¦. American Journal of Human Genetics, 1999, 65, 1457-1459.	2.6	30
144	No Evidence from Genome-wide Data of a Khazar Origin fo the Ashkenazi Jews. Human Biology, 2013, 85, 859.	0.4	30

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145	Archaeogenomic distinctiveness of the Isthmo-Colombian area. Cell, 2021, 184, 1706-1723.e24.	13.5	30
146	Genetic diversity patterns at the human clock gene period 2 are suggestive of population-specific positive selection. European Journal of Human Genetics, 2008, 16, 1526-1534.	1.4	29
147	Uniparental Genetic Heritage of Belarusians: Encounter of Rare Middle Eastern Matrilineages with a Central European Mitochondrial DNA Pool. PLoS ONE, 2013, 8, e66499.	1.1	28
148	Association of the mtDNA m.4171C>A/MT-ND1 mutation with both optic neuropathy and bilateral brainstem lesions. BMC Neurology, 2014, 14, 116.	0.8	28
149	Y-Chromosome Diversity in Modern Bulgarians: New Clues about Their Ancestry. PLoS ONE, 2013, 8, e56779.	1.1	26
150	Mitochondrial tRNA(Thr) mutations and lethal infantile mitochondrial myopathy. American Journal of Human Genetics, 1992, 51, 446-7.	2.6	26
151	African, Native American, and European mitochondrial DNAs in Cubans from Pinar del Rio Province and implications for the recent epidemic neuropathy in Cuba. Human Mutation, 1995, 5, 310-317.	1.1	25
152	â€˜Distortedâ€™ mitochondrial DNA sequences in schizophrenic patients. European Journal of Human Genetics, 2007, 15, 400-402.	1.4	25
153	Origin and spread of human mitochondrial DNA haplogroup U7. Scientific Reports, 2017, 7, 46044.	1.6	25
154	Genetic Mapping of Human Heart-Skeletal Muscle Adenine Nucleotide Translocator and Its Relationship to the Facioscapulohumeral Muscular Dystrophy Locus. Genomics, 1993, 16, 479-485.	1.3	24
155	The 13042G->A/ND5 mutation in mtDNA is pathogenic and can be associated also with a prevalent ocular phenotype. Journal of Medical Genetics, 2005, 43, e38-e38.	1.5	24
156	Mitochondrial DNA and Y Chromosome-Specific Polymorphisms in the Seminole Tribe of Florida. European Journal of Human Genetics, 1997, 5, 25-34.	1.4	23
157	Mitochondrial DNA polymorphisms among Hindus: A comparison with the Tharus of Nepal. Annals of Human Genetics, 1991, 55, 123-136.	0.3	22
158	SIL1 and SARA2 mutations in Marinesco-SjÃ¶gren and chylomicron retention diseases. Clinical Genetics, 2007, 71, 288-289.	1.0	22
159	Reconciling evidence from ancient and contemporary genomes: a major source for the European Neolithic within Mediterranean Europe. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20161976.	1.2	22
160	Haplogroup J mitogenomes are the most sensitive to the pesticide rotenone: Relevance for human diseases. Neurobiology of Disease, 2018, 114, 129-139.	2.1	22
161	A missense MT-ND5 mutation in differentiated Parkinson Disease cytoplasmic hybrid induces ROS-dependent DNA Damage Response amplified by DROSHA. Scientific Reports, 2017, 7, 9528.	1.6	20
162	Exploring the Y Chromosomal Ancestry of Modern Panamanians. PLoS ONE, 2015, 10, e0144223.	1.1	20

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163	Genetic studies in Cameroon: mitochondrial DNA polymorphisms in Bamileke. Human Biology, 1994, 66, 1-12.	0.4	20
164	LHON mutations in Italian patients affected by multiple sclerosis. Acta Neurologica Scandinavica, 1997, 96, 145-148.	1.0	19
165	Genetic Continuity in the Franco-Cantabrian Region: New Clues from Autochthonous Mitogenomes. PLoS ONE, 2012, 7, e32851.	1.1	19
166	Reconstructing the genetic history of Italians: new insights from a male (Y-chromosome) perspective. Annals of Human Biology, 2018, 45, 44-56.	0.4	19
167	Intracytoplasmic injection of spermatozoa does not appear to alter the mode of mitochondrial DNA inheritance. Human Reproduction, 1998, 13, 1747-1749.	0.4	18
168	Does mitochondrial DNA predispose to neuromyelitis optica (Devic's disease)?. Brain, 2008, 131, e93-e93.	3.7	17
169	Cybrid studies establish the causal link between the mtDNA m.3890G>A/MT-ND1 mutation and optic atrophy with bilateral brainstem lesions. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 445-452.	1.8	17
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