

Alessandro Achilli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/895503/publications.pdf>

Version: 2024-02-01

117
papers

9,636
citations

36303

51
h-index

38395

95
g-index

123
all docs

123
docs citations

123
times ranked

8652
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Overview of the Americasâ€™ First Peopling from a Patrilineal Perspective: New Evidence from the Southern Continent. <i>Genes</i> , 2022, 13, 220. | 2.4 | 5 |
| 2 | The Mitogenome Relationships and Phylogeography of Barn Swallows (<i>Hirundo rustica</i>). <i>Molecular Biology and Evolution</i> , 2022, 39, . | 8.9 | 4 |
| 3 | Helenaâ€™s Many Daughters: More Mitogenome Diversity behind the Most Common West Eurasian mtDNA Control Region Haplotype in an Extended Italian Population Sample. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6725. | 4.1 | 3 |
| 4 | Assessing temporal and geographic contacts across the Adriatic Sea through the analysis of genome-wide data from Southern Italy. <i>Genomics</i> , 2022, 114, 110405. | 2.9 | 0 |
| 5 | Mitochondrial genomes from modern and ancient Turano-Mongolian cattle reveal an ancient diversity of taurine maternal lineages in East Asia. <i>Heredity</i> , 2021, 126, 1000-1008. | 2.6 | 11 |
| 6 | Archaeogenomic distinctiveness of the Isthmo-Colombian area. <i>Cell</i> , 2021, 184, 1706-1723.e24. | 28.9 | 30 |
| 7 | Complete vertebrate mitogenomes reveal widespread repeats and gene duplications. <i>Genome Biology</i> , 2021, 22, 120. | 8.8 | 69 |
| 8 | The Mitochondrial DNA Landscape of Modern Mexico. <i>Genes</i> , 2021, 12, 1453. | 2.4 | 11 |
| 9 | Biomolecular insights into North African-related ancestry, mobility and diet in eleventh-century Al-Andalus. <i>Scientific Reports</i> , 2021, 11, 18121. | 3.3 | 8 |
| 10 | Evaluating the Impact of Sex-Biased Genetic Admixture in the Americas through the Analysis of Haplotype Data. <i>Genes</i> , 2021, 12, 1580. | 2.4 | 6 |
| 11 | Weaving Mitochondrial DNA and Y-Chromosome Variation in the Panamanian Genetic Canvas. <i>Genes</i> , 2021, 12, 1921. | 2.4 | 3 |
| 12 | Mitochondrial DNA Footprints from Western Eurasia in Modern Mongolia. <i>Frontiers in Genetics</i> , 2021, 12, 819337. | 2.3 | 4 |
| 13 | A Genetic Window on Sardinian Native Horse Breeds through Uniparental Molecular Systems. <i>Animals</i> , 2020, 10, 1544. | 2.3 | 7 |
| 14 | Ancient genomes reveal tropical bovid species in the Tibetan Plateau contributed to the prevalence of hunting game until the late Neolithic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28150-28159. | 7.1 | 28 |
| 15 | Haplogroups and the history of human evolution through mtDNA. , 2020, , 111-129. | | 4 |
| 16 | Cattle mitogenome variation reveals a post-glacial expansion of haplogroup P and an early incorporation into northeast Asian domestic herds. <i>Scientific Reports</i> , 2020, 10, 20842. | 3.3 | 9 |
| 17 | The mitogenome portrait of Umbria in Central Italy as depicted by contemporary inhabitants and pre-Roman remains. <i>Scientific Reports</i> , 2020, 10, 10700. | 3.3 | 9 |
| 18 | Genomic analyses reveal distinct genetic architectures and selective pressures in buffaloes. <i>GigaScience</i> , 2020, 9, . | 6.4 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Population structure of modern-day Italians reveals patterns of ancient and archaic ancestries in Southern Europe. <i>Science Advances</i> , 2019, 5, eaaw3492. | 10.3 | 53 |
| 20 | Analysis of the human Y-chromosome haplogroup Q characterizes ancient population movements in Eurasia and the Americas. <i>BMC Biology</i> , 2019, 17, 3. | 3.8 | 36 |
| 21 | Resolving a 150-year-old paternity case in Mormon history using DTC autosomal DNA testing of distant relatives. <i>Forensic Science International: Genetics</i> , 2019, 42, 1-7. | 3.1 | 9 |
| 22 | Y-chromosome and Surname Analyses for Reconstructing Past Population Structures: The Sardinian Population as a Test Case. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5763. | 4.1 | 5 |
| 23 | The Genomic Impact of European Colonization of the Americas. <i>Current Biology</i> , 2019, 29, 3974-3986.e4. | 3.9 | 89 |
| 24 | Haplogroup J mitogenomes are the most sensitive to the pesticide rotenone: Relevance for human diseases. <i>Neurobiology of Disease</i> , 2018, 114, 129-139. | 4.4 | 22 |
| 25 | The Paleo-Indian Entry into South America According to Mitogenomes. <i>Molecular Biology and Evolution</i> , 2018, 35, 299-311. | 8.9 | 54 |
| 26 | Reconstructing the genetic history of Italians: new insights from a male (Y-chromosome) perspective. <i>Annals of Human Biology</i> , 2018, 45, 44-56. | 1.0 | 19 |
| 27 | Ancient human genomes“keys to understanding our past. <i>Science</i> , 2018, 360, 964-965. | 12.6 | 12 |
| 28 | The peopling of South America and the trans-Andean gene flow of the first settlers. <i>Genome Research</i> , 2018, 28, 767-779. | 5.5 | 59 |
| 29 | Mitochondrial DNA variants of Podolian cattle breeds testify for a dual maternal origin. <i>PLoS ONE</i> , 2018, 13, e0192567. | 2.5 | 30 |
| 30 | Peculiar combinations of individually non-pathogenic missense mitochondrial DNA variants cause low penetrance Leber“hereditary optic neuropathy. <i>PLoS Genetics</i> , 2018, 14, e1007210. | 3.5 | 47 |
| 31 | Mitogenome Diversity in Sardinians: A Genetic Window onto an Island's Past. <i>Molecular Biology and Evolution</i> , 2017, 34, 1230-1239. | 8.9 | 61 |
| 32 | Origin and spread of human mitochondrial DNA haplogroup U7. <i>Scientific Reports</i> , 2017, 7, 46044. | 3.3 | 25 |
| 33 | Ancient individuals from the North American Northwest Coast reveal 10,000 years of regional genetic continuity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4093-4098. | 7.1 | 100 |
| 34 | Whole Mitogenomes Reveal the History of Swamp Buffalo: Initially Shaped by Glacial Periods and Eventually Modelled by Domestication. <i>Scientific Reports</i> , 2017, 7, 4708. | 3.3 | 30 |
| 35 | Characterization and Phylogenetic Analysis of Ancient Italian Landraces of Pear. <i>Frontiers in Plant Science</i> , 2017, 8, 751. | 3.6 | 38 |
| 36 | The Worldwide Spread of the Tiger Mosquito as Revealed by Mitogenome Haplogroup Diversity. <i>Frontiers in Genetics</i> , 2016, 7, 208. | 2.3 | 54 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | An Overview of Ten Italian Horse Breeds through Mitochondrial DNA. PLoS ONE, 2016, 11, e0153004. | 2.5 | 30 |
| 38 | Survey of uniparental genetic markers in the Maltese cattle breed reveals a significant founder effect but does not indicate local domestication. Animal Genetics, 2016, 47, 267-269. | 1.7 | 8 |
| 39 | Mapping human dispersals into the Horn of Africa from Arabian Ice Age refugia using mitogenomes. Scientific Reports, 2016, 6, 25472. | 3.3 | 40 |
| 40 | Uncovering the sources of DNA found on the Turin Shroud. Scientific Reports, 2015, 5, 14484. | 3.3 | 5 |
| 41 | DNA analysis of dust particles sampled from the Turin Shroud. MATEC Web of Conferences, 2015, 36, 03001. | 0.2 | 2 |
| 42 | Whole mitochondrial genomes unveil the impact of domestication on goat matrilineal variability. BMC Genomics, 2015, 16, 1115. | 2.8 | 56 |
| 43 | 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. | 2.5 | 41 |
| 44 | Human settlement history between Sunda and Sahul: a focus on East Timor (Timor-Leste) and the Pleistocenic mtDNA diversity. BMC Genomics, 2015, 16, 70. | 2.8 | 32 |
| 45 | Genealogical Relationships between Early Medieval and Modern Inhabitants of Piedmont. PLoS ONE, 2015, 10, e0116801. | 2.5 | 58 |
| 46 | Exploring the Y Chromosomal Ancestry of Modern Panamanians. PLoS ONE, 2015, 10, e0144223. | 2.5 | 20 |
| 47 | The characterization of goat genetic diversity: Towards a genomic approach. Small Ruminant Research, 2014, 121, 58-72. | 1.2 | 44 |
| 48 | A Novel in-Frame 18-bp Microdeletion in<i>MT-CYB</i> Causes a Multisystem Disorder with Prominent Exercise Intolerance. Human Mutation, 2014, 35, 954-958. | 2.5 | 38 |
| 49 | Small effective population size and genetic homogeneity in the Val Borbera isolate. European Journal of Human Genetics, 2013, 21, 89-94. | 2.8 | 32 |
| 50 | 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. | 3.8 | 17 |
| 51 | The Mountain Meadows Massacre and "poisoned springs": scientific testing of the more recent, anthrax theory. International Journal of Legal Medicine, 2013, 127, 77-83. | 2.2 | 4 |
| 52 | 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. | 7.1 | 122 |
| 53 | A substantial prehistoric European ancestry amongst Ashkenazi maternal lineages. Nature Communications, 2013, 4, 2543. | 12.8 | 80 |
| 54 | Monitoring DNA Contamination in Handled vs. Directly Excavated Ancient Human Skeletal Remains. PLoS ONE, 2013, 8, e52524. | 2.5 | 58 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Uniparental Genetic Heritage of Belarusians: Encounter of Rare Middle Eastern Matrilineages with a Central European Mitochondrial DNA Pool. PLoS ONE, 2013, 8, e66499. | 2.5 | 28 |
| 56 | Phylogenetic Relationships of Three Italian Merino-Derived Sheep Breeds Evaluated through a Complete Mitogenome Analysis. PLoS ONE, 2013, 8, e73712. | 2.5 | 47 |
| 57 | Mitogenomes from Two Uncommon Haplogroups Mark Late Glacial/Postglacial Expansions from the Near East and Neolithic Dispersals within Europe. PLoS ONE, 2013, 8, e70492. | 2.5 | 51 |
| 58 | The First Peopling of South America: New Evidence from Y-Chromosome Haplogroup Q. PLoS ONE, 2013, 8, e71390. | 2.5 | 78 |
| 59 | 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. | 7.1 | 198 |
| 60 | Genetic Continuity in the Franco-Cantabrian Region: New Clues from Autochthonous Mitogenomes. PLoS ONE, 2012, 7, e32851. | 2.5 | 19 |
| 61 | Ancient Migratory Events in the Middle East: New Clues from the Y-Chromosome Variation of Modern Iranians. PLoS ONE, 2012, 7, e41252. | 2.5 | 86 |
| 62 | Rare Primary Mitochondrial DNA Mutations and Probable Synergistic Variants in Leber's Hereditary Optic Neuropathy. PLoS ONE, 2012, 7, e42242. | 2.5 | 73 |
| 63 | Arrival of Paleo-Indians to the Southern Cone of South America: New Clues from Mitogenomes. PLoS ONE, 2012, 7, e51311. | 2.5 | 57 |
| 64 | Bulgarians vs the other European populations: a mitochondrial DNA perspective. International Journal of Legal Medicine, 2012, 126, 497-503. | 2.2 | 32 |
| 65 | Mitochondrial DNA Signals of Late Glacial Recolonization of Europe from Near Eastern Refugia. American Journal of Human Genetics, 2012, 90, 915-924. | 6.2 | 150 |
| 66 | Reconstructing ancient mitochondrial DNA links between Africa and Europe. Genome Research, 2012, 22, 821-826. | 5.5 | 57 |
| 67 | Rapid coastal spread of First Americans: Novel insights from South America's Southern Cone mitochondrial genomes. Genome Research, 2012, 22, 811-820. | 5.5 | 167 |
| 68 | Mitochondrial haplogroup C4c: A rare lineage entering America through the ice-free corridor?. American Journal of Physical Anthropology, 2012, 147, 35-39. | 2.1 | 60 |
| 69 | Decrypting the Mitochondrial Gene Pool of Modern Panamanians. PLoS ONE, 2012, 7, e38337. | 2.5 | 37 |
| 70 | Origin and Spread of Bos taurus: New Clues from Mitochondrial Genomes Belonging to Haplogroup T1. PLoS ONE, 2012, 7, e38601. | 2.5 | 93 |
| 71 | Mitochondrial DNA Backgrounds Might Modulate Diabetes Complications Rather than T2DM as a Whole. PLoS ONE, 2011, 6, e21029. | 2.5 | 74 |
| 72 | Tracing the biological origin of animal glues used in paintings through mitochondrial DNA analysis. Analytical and Bioanalytical Chemistry, 2011, 399, 2987-2995. | 3.7 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | The role of DNA polymerase alpha in the control of mutagenesis in <i>Saccharomyces cerevisiae</i> cells starved for nutrients. <i>Ecological Genetics</i> , 2011, 9, 53-61. | 0.5 | 0 |
| 74 | The initial peopling of the Americas: A growing number of founding mitochondrial genomes from Beringia. <i>Genome Research</i> , 2010, 20, 1174-1179. | 5.5 | 147 |
| 75 | The Archaeogenetics of Europe. <i>Current Biology</i> , 2010, 20, R174-R183. | 3.9 | 210 |
| 76 | The Enigmatic Origin of Bovine mtDNA Haplogroup R: Sporadic Interbreeding or an Independent Event of <i>Bos primigenius</i> Domestication in Italy?. <i>PLoS ONE</i> , 2010, 5, e15760. | 2.5 | 84 |
| 77 | Mitochondrial Haplogroup H1 in North Africa: An Early Holocene Arrival from Iberia. <i>PLoS ONE</i> , 2010, 5, e13378. | 2.5 | 44 |
| 78 | Evidence for Sub-Haplogroup H5 of Mitochondrial DNA as a Risk Factor for Late Onset Alzheimer's Disease. <i>PLoS ONE</i> , 2010, 5, e12037. | 2.5 | 117 |
| 79 | The Background of Mitochondrial DNA Haplogroup J Increases the Sensitivity of Leber's Hereditary Optic Neuropathy Cells to 2,5-Hexanedione Toxicity. <i>PLoS ONE</i> , 2009, 4, e7922. | 2.5 | 76 |
| 80 | Mitochondrial and Y-chromosome diversity of the Tharus (Nepal): a reservoir of genetic variation. <i>BMC Evolutionary Biology</i> , 2009, 9, 154. | 3.2 | 63 |
| 81 | The Complex and Diversified Mitochondrial Gene Pool of Berber Populations. <i>Annals of Human Genetics</i> , 2009, 73, 196-214. | 0.8 | 63 |
| 82 | First Genetic Insight into Libyan Tuaregs: A Maternal Perspective. <i>Annals of Human Genetics</i> , 2009, 73, 438-448. | 0.8 | 31 |
| 83 | Distinctive Paleo-Indian Migration Routes from Beringia Marked by Two Rare mtDNA Haplogroups. <i>Current Biology</i> , 2009, 19, 1-8. | 3.9 | 738 |
| 84 | Mitochondrial Haplogroup U5b3: A Distant Echo of the Epipaleolithic in Italy and the Legacy of the Early Sardinians. <i>American Journal of Human Genetics</i> , 2009, 84, 814-821. | 6.2 | 62 |
| 85 | Multiplex mtDNA coding region SNP assays for molecular dissection of haplogroups U/K and J/T. <i>Forensic Science International: Genetics</i> , 2009, 4, 21-25. | 3.1 | 20 |
| 86 | The Multifaceted Origin of Taurine Cattle Reflected by the Mitochondrial Genome. <i>PLoS ONE</i> , 2009, 4, e5753. | 2.5 | 157 |
| 87 | Italian mitochondrial DNA database: results of a collaborative exercise and proficiency testing. <i>International Journal of Legal Medicine</i> , 2008, 122, 199-204. | 2.2 | 48 |
| 88 | Mitochondrial genomes of extinct aurochs survive in domestic cattle. <i>Current Biology</i> , 2008, 18, R157-R158. | 3.9 | 231 |
| 89 | Rare mtDNA variants in Leber hereditary optic neuropathy families with recurrence of myoclonus. <i>Neurology</i> , 2008, 70, 762-770. | 1.1 | 66 |
| 90 | Mitochondrial DNA background modulates the assembly kinetics of OXPHOS complexes in a cellular model of mitochondrial disease. <i>Human Molecular Genetics</i> , 2008, 17, 4001-4011. | 2.9 | 140 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | The Phylogeny of the Four Pan-American MtDNA Haplogroups: Implications for Evolutionary and Disease Studies. PLoS ONE, 2008, 3, e1764. | 2.5 | 227 |
| 92 | The mystery of Etruscan origins: novel clues from Bos taurus mitochondrial DNA. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1175-1179. | 2.6 | 74 |
| 93 | Mitochondrial DNA Variation of Modern Tuscans Supports the Near Eastern Origin of Etruscans. American Journal of Human Genetics, 2007, 80, 759-768. | 6.2 | 106 |
| 94 | Clinical Expression of Leber Hereditary Optic Neuropathy Is Affected by the Mitochondrial DNA Haplogroup Background. American Journal of Human Genetics, 2007, 81, 228-233. | 6.2 | 331 |
| 95 | Colony density influences invasive and filamentous growth in Saccharomyces cerevisiae. Folia Microbiologica, 2007, 52, 35-38. | 2.3 | 3 |
| 96 | High rate of starvation-associated mutagenesis in Ustilago yeast caused by the overproduction of human activation-induced deaminase. Current Genetics, 2007, 52, 239-245. | 1.7 | 3 |
| 97 | The Matrilineal Ancestry of Ashkenazi Jewry: Portrait of a Recent Founder Event. American Journal of Human Genetics, 2006, 78, 487-497. | 6.2 | 140 |
| 98 | 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. | 6.2 | 166 |
| 99 | The mtDNA Legacy of the Levantine Early Upper Palaeolithic in Africa. Science, 2006, 314, 1767-1770. | 12.6 | 257 |
| 100 | Subtyping mtDNA haplogroup H by SNaPshot minisequencing and its application in forensic individual identification. International Journal of Legal Medicine, 2006, 120, 151-156. | 2.2 | 36 |
| 101 | Harvesting the fruit of the human mtDNA tree. Trends in Genetics, 2006, 22, 339-345. | 6.7 | 397 |
| 102 | Human mtDNA site-specific variability values can act as haplogroup markers. Human Mutation, 2006, 27, 965-974. | 2.5 | 7 |
| 103 | Updating the East Asian mtDNA phylogeny: a prerequisite for the identification of pathogenic mutations. Human Molecular Genetics, 2006, 15, 2076-2086. | 2.9 | 346 |
| 104 | ADAPTIVE MUTAGENESIS IN THE YEAST SACCHAROMYCES CEREVISIAE. Ecological Genetics, 2006, 4, 20-28. | 0.5 | 4 |
| 105 | Single, Rapid Coastal Settlement of Asia Revealed by Analysis of Complete Mitochondrial Genomes. Science, 2005, 308, 1034-1036. | 12.6 | 710 |
| 106 | The Peopling of Modern Bosnia-Herzegovina: Y-chromosome Haplogroups in the Three Main Ethnic Groups. Annals of Human Genetics, 2005, 69, 757-763. | 0.8 | 66 |
| 107 | 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. | 2.8 | 197 |
| 108 | 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. | 3.2 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Saami and Berbersâ€™ An Unexpected Mitochondrial DNA Link. American Journal of Human Genetics, 2005, 76, 883-886. | 6.2 | 196 |
| 110 | Low â€œpenetranceâ€• of phylogenetic knowledge in mitochondrial disease studies. Biochemical and Biophysical Research Communications, 2005, 333, 122-130. | 2.1 | 74 |
| 111 | The exceptionally high rate of spontaneous mutations in the polymerase delta proofreading exonuclease-deficient Saccharomyces cerevisiae strain starved for adenine. BMC Genetics, 2004, 5, 34. | 2.7 | 19 |
| 112 | The ND1 gene of complex I is a mutational hot spot for Leber's hereditary optic neuropathy. Annals of Neurology, 2004, 56, 631-641. | 5.3 | 102 |
| 113 | Phylogeography of Y-Chromosome Haplogroup I Reveals Distinct Domains of Prehistoric Gene Flow in Europe. American Journal of Human Genetics, 2004, 75, 128-137. | 6.2 | 256 |
| 114 | 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. | 6.2 | 397 |
| 115 | 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. | 6.2 | 47 |
| 116 | Origin and Diffusion of mtDNA Haplogroup X. American Journal of Human Genetics, 2003, 73, 1178-1190. | 6.2 | 148 |
| 117 | Stationary-phase mutations in proofreading exonuclease-deficient strains of the yeast Saccharomyces cerevisiae. Molecular Genetics and Genomics, 2001, 265, 362-366. | 2.1 | 18 |