

Jaakko Pohjoismäki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2962462/publications.pdf>

Version: 2024-02-01

43
papers

1,774
citations

331670

21
h-index

276875

41
g-index

51
all docs

51
docs citations

51
times ranked

2438
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Alterations to the expression level of mitochondrial transcription factor A, TFAM, modify the mode of mitochondrial DNA replication in cultured human cells. <i>Nucleic Acids Research</i> , 2006, 34, 5815-5828. | 14.5 | 151 |
| 2 | Expression of catalytic mutants of the mtDNA helicase Twinkle and polymerase POLG causes distinct replication stalling phenotypes. <i>Nucleic Acids Research</i> , 2007, 35, 3238-3251. | 14.5 | 126 |
| 3 | Human Heart Mitochondrial DNA Is Organized in Complex Catenated Networks Containing Abundant Four-way Junctions and Replication Forks. <i>Journal of Biological Chemistry</i> , 2009, 284, 21446-21457. | 3.4 | 110 |
| 4 | Mammalian Mitochondrial DNA Replication Intermediates Are Essentially Duplex but Contain Extensive Tracts of RNA/DNA Hybrid. <i>Journal of Molecular Biology</i> , 2010, 397, 1144-1155. | 4.2 | 110 |
| 5 | The mitochondrial transcription termination factor mTERF modulates replication pausing in human mitochondrial DNA. <i>Nucleic Acids Research</i> , 2007, 35, 6458-6474. | 14.5 | 95 |
| 6 | Tissue specific differences in mitochondrial DNA maintenance and expression. <i>Mitochondrion</i> , 2019, 44, 85-92. | 3.4 | 92 |
| 7 | The role of mitochondria in cardiac development and protection. <i>Free Radical Biology and Medicine</i> , 2017, 106, 345-354. | 2.9 | 90 |
| 8 | Indoors forensic entomology: Colonization of human remains in closed environments by specific species of sarcosaprophagous flies. <i>Forensic Science International</i> , 2010, 199, 38-42. | 2.2 | 80 |
| 9 | Ciprofloxacin impairs mitochondrial DNA replication initiation through inhibition of Topoisomerase 2. <i>Nucleic Acids Research</i> , 2018, 46, 9625-9636. | 14.5 | 80 |
| 10 | Establishing a community-wide <sc>DNA</sc> barcode library as a new tool for arctic research. <i>Molecular Ecology Resources</i> , 2016, 16, 809-822. | 4.8 | 77 |
| 11 | PrimPol is required for replication reinitiation after mtDNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11398-11403. | 7.1 | 76 |
| 12 | ATAD3 controls mitochondrial cristae structure, influencing mtDNA replication and cholesterol levels in muscle. <i>Journal of Cell Science</i> , 2018, 131, . | 2.0 | 68 |
| 13 | Of circles, forks and humanity: Topological organisation and replication of mammalian mitochondrial DNA. <i>BioEssays</i> , 2011, 33, 290-299. | 2.5 | 63 |
| 14 | Oxidative stress during mitochondrial biogenesis compromises mtDNA integrity in growing hearts and induces a global DNA repair response. <i>Nucleic Acids Research</i> , 2012, 40, 6595-6607. | 14.5 | 56 |
| 15 | Developmental and Pathological Changes in the Human Cardiac Muscle Mitochondrial DNA Organization, Replication and Copy Number. <i>PLoS ONE</i> , 2010, 5, e10426. | 2.5 | 43 |
| 16 | Overexpression of Twinkle-helicase protects cardiomyocytes from genotoxic stress caused by reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19408-19413. | 7.1 | 39 |
| 17 | Low doses of ultraviolet radiation and oxidative damage induce dramatic accumulation of mitochondrial DNA replication intermediates, fork regression, and replication initiation shift. <i>Molecular Biology of the Cell</i> , 2015, 26, 4197-4208. | 2.1 | 39 |
| 18 | Overexpression of MTERFD1 or MTERFD3 impairs the completion of mitochondrial DNA replication. <i>Molecular Biology Reports</i> , 2011, 38, 1321-1328. | 2.3 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Postnatal cardiomyocyte growth and mitochondrial reorganization cause multiple changes in the proteome of human cardiomyocytes. <i>Molecular BioSystems</i> , 2013, 9, 1210. | 2.9 | 35 |
| 20 | Widespread introgression of mountain hare genes into Fennoscandian brown hare populations. <i>PLoS ONE</i> , 2018, 13, e0191790. | 2.5 | 28 |
| 21 | Twist and Turn—Topoisomerase Functions in Mitochondrial DNA Maintenance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2041. | 4.1 | 27 |
| 22 | A molecular—based identification resource for the arthropods of Finland. <i>Molecular Ecology Resources</i> , 2022, 22, 803-822. | 4.8 | 26 |
| 23 | Replication stalling by catalytically impaired Twinkle induces mitochondrial DNA rearrangements in cultured cells. <i>Mitochondrion</i> , 2011, 11, 630-634. | 3.4 | 21 |
| 24 | Mitochondrial DNA Introgression at the Northern Edge of the Brown Hare (<i>Lepus europaeus</i>) Range. <i>Annales Zoologici Fennici</i> , 2018, 55, 15-24. | 0.6 | 21 |
| 25 | Replication fork rescue in mammalian mitochondria. <i>Scientific Reports</i> , 2019, 9, 8785. | 3.3 | 20 |
| 26 | Variation in breeding practices and geographic isolation drive subpopulation differentiation, contributing to the loss of genetic diversity within dog breed lineages. <i>Canine Medicine and Genetics</i> , 2020, 7, 5. | 4.0 | 20 |
| 27 | Hybridization with mountain hares increases the functional allelic repertoire in brown hares. <i>Scientific Reports</i> , 2021, 11, 15771. | 3.3 | 20 |
| 28 | DNA Barcodes for the Northern European Tachinid Flies (Diptera: Tachinidae). <i>PLoS ONE</i> , 2016, 11, e0164933. | 2.5 | 20 |
| 29 | Known Unknowns of Mammalian Mitochondrial DNA Maintenance. <i>BioEssays</i> , 2018, 40, e1800102. | 2.5 | 16 |
| 30 | Founder representation and effective population size in old versus young breeds—genetic diversity of Finnish and Nordic Spitz. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 422-433. | 2.0 | 14 |
| 31 | Checklist of the superfamilies Oestroidea and Hippoboscoidea of Finland (Insecta, Diptera). <i>ZooKeys</i> , 2014, 441, 383-408. | 1.1 | 13 |
| 32 | Home Ranges of Semi-Urban Brown Hares (<i>Lepus europaeus</i>) and Mountain Hares (<i>Lepus timidus</i>) at Northern Latitudes. <i>Annales Zoologici Fennici</i> , 2019, 56, 107. | 0.6 | 12 |
| 33 | The Type and Source of Reactive Oxygen Species Influences the Outcome of Oxidative Stress in Cultured Cells. <i>Cells</i> , 2021, 10, 1075. | 4.1 | 11 |
| 34 | Diversity of forest management promotes parasitoid functional diversity in boreal forests. <i>Biological Conservation</i> , 2019, 238, 108205. | 4.1 | 9 |
| 35 | Promiscuous specialists: Host specificity patterns among generalist louse flies. <i>PLoS ONE</i> , 2021, 16, e0247698. | 2.5 | 6 |
| 36 | Letter by Pohjoismäki Regarding Article, “Impaired Mitochondrial Biogenesis Precedes Heart Failure in Right Ventricular Hypertrophy in Congenital Heart Disease”; <i>Circulation: Heart Failure</i> , 2012, 5, e15; author reply e16. | 3.9 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | The thin red line between species—Genomic differentiation of <i>Gymnosoma</i> Meigen, a taxonomically challenging genus of parasitoid flies (Diptera: Tachinidae). <i>Systematic Entomology</i> , 2021, 46, 96-110. | 3.9 | 4 |
| 38 | Origins and wanderings of the Finnish hunting spitzes. <i>PLoS ONE</i> , 2018, 13, e0199992. | 2.5 | 3 |
| 39 | Linnaemya bergstroemi n. sp. (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlo | 0.5 | 2 |
| 40 | The first <i>Linguatula serrata</i> case in an imported dog in Finland. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2021, 26, 100654. | 0.5 | 2 |
| 41 | The monophyly of the Glaurocarini (Diptera: Tachinidae: Tachininae) with the description of a new species of <i>Semisuturia</i> from Australia. <i>Insect Systematics and Evolution</i> , 2017, 49, 1-22. | 0.7 | 1 |
| 42 | Adaptive and Pathological Outcomes of Radiation Stress-Induced Redox Signaling. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 336-348. | 5.4 | 1 |
| 43 | Heterozygous p.Y955C mutation in DNA polymerase β leads to alterations in bioenergetics, complex I subunit expression, and mtDNA replication. <i>Journal of Biological Chemistry</i> , 2022, 298, 102196. | 3.4 | 0 |