

Jaakko Pohjoismäki

List of Publications by Year in descending order

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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	A molecularâ€based identification resource for the arthropods of Finland. <i>Molecular Ecology Resources</i> , 2022, 22, 803-822.	4.8	26
2	Adaptive and Pathological Outcomes of Radiation Stress-Induced Redox Signaling. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 336-348.	5.4	1
3	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
4	The thin red line between speciesâ€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
5	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
6	Promiscuous specialists: Host specificity patterns among generalist louse flies. <i>PLoS ONE</i> , 2021, 16, e0247698.	2.5	6
7	Hybridization with mountain hares increases the functional allelic repertoire in brown hares. <i>Scientific Reports</i> , 2021, 11, 15771.	3.3	20
8	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
9	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
10	Diversity of forest management promotes parasitoid functional diversity in boreal forests. <i>Biological Conservation</i> , 2019, 238, 108205.	4.1	9
11	Replication fork rescue in mammalian mitochondria. <i>Scientific Reports</i> , 2019, 9, 8785.	3.3	20
12	Twist and Turnâ€Topoisomerase Functions in Mitochondrial DNA Maintenance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2041.	4.1	27
13	Tissue specific differences in mitochondrial DNA maintenance and expression. <i>Mitochondrion</i> , 2019, 44, 85-92.	3.4	92
14	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
15	Ciprofloxacin impairs mitochondrial DNA replication initiation through inhibition of Topoisomerase 2. <i>Nucleic Acids Research</i> , 2018, 46, 9625-9636.	14.5	80
16	Origins and wanderings of the Finnish hunting spitzes. <i>PLoS ONE</i> , 2018, 13, e0199992.	2.5	3
17	Known Unknowns of Mammalian Mitochondrial DNA Maintenance. <i>BioEssays</i> , 2018, 40, e1800102.	2.5	16
18	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

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19	ATAD3 controls mitochondrial cristae structure, influencing mtDNA replication and cholesterol levels in muscle. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	68
20	Widespread introgression of mountain hare genes into Fennoscandian brown hare populations. <i>PLoS ONE</i> , 2018, 13, e0191790.	2.5	28
21	The role of mitochondria in cardiac development and protection. <i>Free Radical Biology and Medicine</i> , 2017, 106, 345-354.	2.9	90
22	Founder representation and effective population size in old versus young breedsâ€”genetic diversity of Finnish and Nordic Spitz. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 422-433.	2.0	14
23	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
24	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
25	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
26	DNA Barcodes for the Northern European Tachinid Flies (Diptera: Tachinidae). <i>PLoS ONE</i> , 2016, 11, e0164933.	2.5	20
27	Linnaemya; bergstroemi; n. sp. (Diptera: Tj ETQq1 1 0.784314 rgBJ /Overlo	0.5	2
28	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
29	Checklist of the superfamilies Oestroidea and Hippoboscoidea of Finland (Insecta, Diptera). <i>ZooKeys</i> , 2014, 441, 383-408.	1.1	13
30	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
31	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
32	Letter by Pohjoismäki Regarding Article, â€œImpaired Mitochondrial Biogenesis Precedes Heart Failure in Right Ventricular Hypertrophy in Congenital Heart Diseaseâ€• <i>Circulation: Heart Failure</i> , 2012, 5, e15; author reply e16.	3.9	5
33	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
34	Replication stalling by catalytically impaired Twinkle induces mitochondrial DNA rearrangements in cultured cells. <i>Mitochondrion</i> , 2011, 11, 630-634.	3.4	21
35	Overexpression of MTERFD1 or MTERFD3 impairs the completion of mitochondrial DNA replication. <i>Molecular Biology Reports</i> , 2011, 38, 1321-1328.	2.3	36
36	Of circles, forks and humanity: Topological organisation and replication of mammalian mitochondrial DNA. <i>BioEssays</i> , 2011, 33, 290-299.	2.5	63

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37	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
38	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
39	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
40	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
41	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
42	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
43	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