

Aurelio Reyes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8558300/publications.pdf>

Version: 2024-02-01

67
papers

5,604
citations

76294

40
h-index

88593

70
g-index

73
all docs

73
docs citations

73
times ranked

6952
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA polymerase gamma mutations that impair holoenzyme stability cause catalytic subunit depletion. <i>Nucleic Acids Research</i> , 2021, 49, 5230-5248.	6.5	15
2	Mutation in the MICOS subunit gene <i>APOO</i> (MIC26) associated with an X-linked recessive mitochondrial myopathy, lactic acidosis, cognitive impairment and autistic features. <i>Journal of Medical Genetics</i> , 2021, 58, 155-167.	1.5	28
3	Novel compound heterozygous pathogenic variants in nucleotide-binding protein like protein (NUBPL) cause leukoencephalopathy with multi-systemic involvement. <i>Molecular Genetics and Metabolism</i> , 2020, 129, 26-34.	0.5	9
4	Neurodevelopmental regression, severe generalized dystonia, and metabolic acidosis caused by POLR3A mutations. <i>Neurology: Genetics</i> , 2020, 6, e521.	0.9	4
5	RCC1L (WBSR16) isoforms coordinate mitochondrial ribosome assembly through their interaction with GTPases. <i>PLoS Genetics</i> , 2020, 16, e1008923.	1.5	18
6	RNase H1 directs origin-specific initiation of DNA replication in human mitochondria. <i>PLoS Genetics</i> , 2019, 15, e1007781.	1.5	58
7	RNase H1 Regulates Mitochondrial Transcription and Translation via the Degradation of 7S RNA. <i>Frontiers in Genetics</i> , 2019, 10, 1393.	1.1	12
8	Compound heterozygous missense and deep intronic variants in NDUFAF6 unraveled by exome sequencing and mRNA analysis. <i>Journal of Human Genetics</i> , 2018, 63, 563-568.	1.1	15
9	Transcript availability dictates the balance between strand-asynchronous and strand-coupled mitochondrial DNA replication. <i>Nucleic Acids Research</i> , 2018, 46, 10771-10781.	6.5	20
10	Mutations in <i>TIMM50</i> compromise cell survival in OxPhos-dependent metabolic conditions. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	23
11	Mitochondrial maintenance under oxidative stress depends on mitochondrial but not nuclear isoform of OGG1. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	21
12	A two-nuclease pathway involving RNase H1 is required for primer removal at human mitochondrial OriL. <i>Nucleic Acids Research</i> , 2018, 46, 9471-9483.	6.5	25
13	A novel de novo dominant mutation in <i>ISCU</i> associated with mitochondrial myopathy. <i>Journal of Medical Genetics</i> , 2017, 54, 815-824.	1.5	25
14	Functionally pathogenic <i>EARS2</i> variants in vitro may not manifest a phenotype in vivo. <i>Neurology: Genetics</i> , 2017, 3, e162.	0.9	11
15	The Role of DNA Repair in Maintaining Mitochondrial DNA Stability. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1038, 85-105.	0.8	6
16	<i>COA7</i> (<i>C1orf163</i> / <i>RESA1</i>) mutations associated with mitochondrial leukoencephalopathy and cytochrome c oxidase deficiency. <i>Journal of Medical Genetics</i> , 2016, 53, 846-849.	1.5	40
17	Defective <i>PITRM</i> 1 mitochondrial peptidase is associated with $A\beta$ amyloidotic neurodegeneration. <i>EMBO Molecular Medicine</i> , 2016, 8, 176-190.	3.3	60
18	New genes and pathomechanisms in mitochondrial disorders unraveled by NGS technologies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1326-1335.	0.5	87

#	ARTICLE	IF	CITATIONS
19	Analysis of Replicating Mitochondrial DNA by In Organello Labeling and Two-Dimensional Agarose Gel Electrophoresis. <i>Methods in Molecular Biology</i> , 2016, 1351, 95-113.	0.4	2
20	Human Mitochondrial DNA-Protein Complexes Attach to a Cholesterol-Rich Membrane Structure. <i>Scientific Reports</i> , 2015, 5, 15292.	1.6	73
21	RNASEH1 Mutations Impair mtDNA Replication and Cause Adult-Onset Mitochondrial Encephalomyopathy. <i>American Journal of Human Genetics</i> , 2015, 97, 186-193.	2.6	91
22	Foxg1 localizes to mitochondria and coordinates cell differentiation and bioenergetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13910-13915.	3.3	54
23	Tissue-specific mtDNA abundance from exome data and its correlation with mitochondrial transcription, mass and respiratory activity. <i>Mitochondrion</i> , 2015, 20, 13-21.	1.6	146
24	Amino Acid Starvation Has Opposite Effects on Mitochondrial and Cytosolic Protein Synthesis. <i>PLoS ONE</i> , 2014, 9, e93597.	1.1	48
25	MPV17L2 is required for ribosome assembly in mitochondria. <i>Nucleic Acids Research</i> , 2014, 42, 8500-8515.	6.5	56
26	Linear mtDNA fragments and unusual mtDNA rearrangements associated with pathological deficiency of MGME1 exonuclease. <i>Human Molecular Genetics</i> , 2014, 23, 6147-6162.	1.4	64
27	The isolated carboxy-terminal domain of human mitochondrial leucyl-tRNA synthetase rescues the pathological phenotype of mitochondrial tRNA mutations in human cells. <i>EMBO Molecular Medicine</i> , 2014, 6, 169-182.	3.3	43
28	Mutations in FBXL4, Encoding a Mitochondrial Protein, Cause Early-Onset Mitochondrial Encephalomyopathy. <i>American Journal of Human Genetics</i> , 2013, 93, 482-495.	2.6	138
29	PrimPol, an Archaic Primase/Polymerase Operating in Human Cells. <i>Molecular Cell</i> , 2013, 52, 541-553.	4.5	322
30	Mitochondrial DNA replication proceeds via a "bootlace" mechanism involving the incorporation of processed transcripts. <i>Nucleic Acids Research</i> , 2013, 41, 5837-5850.	6.5	93
31	Alternative translation initiation augments the human mitochondrial proteome. <i>Nucleic Acids Research</i> , 2013, 41, 2354-2369.	6.5	56
32	A Cryptic Targeting Signal Creates a Mitochondrial FEN1 Isoform with Tailed R-Loop Binding Properties. <i>PLoS ONE</i> , 2013, 8, e62340.	1.1	36
33	Human Mitochondrial DNA Replication. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a012971-a012971.	2.3	121
34	Minimizing the damage: repair pathways keep mitochondrial DNA intact. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 659-671.	16.1	324
35	Human telomerase acts as a hTR-independent reverse transcriptase in mitochondria. <i>Nucleic Acids Research</i> , 2012, 40, 712-725.	6.5	142
36	Molecular variability and phylogenetic relationships among different species and populations of <i>Pratylenchus</i> (Nematoda: Pratylenchidae) as inferred from the analysis of the ITS rDNA. <i>European Journal of Plant Pathology</i> , 2011, 130, 415-426.	0.8	48

#	ARTICLE	IF	CITATIONS
37	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.	2.0	110
38	Mice expressing an error-prone DNA polymerase in mitochondria display elevated replication pausing and chromosomal breakage at fragile sites of mitochondrial DNA. <i>Nucleic Acids Research</i> , 2009, 37, 2327-2335.	6.5	87
39	Characterization of the heat shock protein 90 gene in the plant parasitic nematode <i>Meloidogyne artiellia</i> and its expression as related to different developmental stages and temperature. <i>Gene</i> , 2009, 440, 16-22.	1.0	20
40	Analysis of Mitochondrial DNA by Two-Dimensional Agarose Gel Electrophoresis. <i>Methods in Molecular Biology</i> , 2009, 554, 15-35.	0.4	19
41	The AAA+ protein ATAD3 has displacement loop binding properties and is involved in mitochondrial nucleoid organization. <i>Journal of Cell Biology</i> , 2007, 176, 141-146.	2.3	198
42	The mitochondrial transcription termination factor mTERF modulates replication pausing in human mitochondrial DNA. <i>Nucleic Acids Research</i> , 2007, 35, 6458-6474.	6.5	95
43	Mammalian mitochondrial nucleoids: Organizing an independently minded genome. <i>Mitochondrion</i> , 2007, 7, 311-321.	1.6	142
44	Analysis of Replicating Mitochondrial DNA by Two-Dimensional Agarose Gel Electrophoresis. <i>Methods in Molecular Biology</i> , 2007, 372, 219-232.	0.4	14
45	Phylogenetic analyses of complete mitochondrial genome sequences suggest a basal divergence of the enigmatic rodent <i>Anomalurus</i> . <i>BMC Evolutionary Biology</i> , 2007, 7, 16.	3.2	45
46	Replication of vertebrate mitochondrial DNA entails transient ribonucleotide incorporation throughout the lagging strand. <i>EMBO Journal</i> , 2006, 25, 5358-5371.	3.5	205
47	A Novel Lipoxygenase in Pea Roots. Its Function in Wounding and Biotic Stress. <i>Plant Physiology</i> , 2006, 141, 1045-1055.	2.3	54
48	Bidirectional Replication Initiates at Sites Throughout the Mitochondrial Genome of Birds. <i>Journal of Biological Chemistry</i> , 2005, 280, 3242-3250.	1.6	71
49	Comparison of the sequences of the D3 expansion of the 26S ribosomal genes reveals different degrees of heterogeneity in different populations and species of <i>Pratylenchus</i> from the Mediterranean region. <i>European Journal of Plant Pathology</i> , 2004, 110, 949-957.	0.8	59
50	Congruent Mammalian Trees from Mitochondrial and Nuclear Genes Using Bayesian Methods. <i>Molecular Biology and Evolution</i> , 2003, 21, 397-403.	3.5	111
51	Mammalian Mitochondrial DNA Replicates Bidirectionally from an Initiation Zone. <i>Journal of Biological Chemistry</i> , 2003, 278, 50961-50969.	1.6	174
52	DNA Sequence Variation in the Mitochondrial Control Region of Subterranean Mole Rats, <i>Spalax ehrenbergi</i> Superspecies, in Israel. <i>Molecular Biology and Evolution</i> , 2003, 20, 622-632.	3.5	33
53	Biased Incorporation of Ribonucleotides on the Mitochondrial L-Strand Accounts for Apparent Strand-Asymmetric DNA Replication. <i>Cell</i> , 2002, 111, 495-505.	13.5	238
54	Mitochondrial DNA in metazoa: degree of freedom in a frozen event. <i>Gene</i> , 2002, 286, 3-12.	1.0	97

#	ARTICLE	IF	CITATIONS
55	Characterization of the mtTFA gene and identification of a processed pseudogene in rat. <i>Gene</i> , 2002, 286, 105-112.	1.0	7
56	Human mitochondrial transcription factor A (mtTFA): gene structure and characterization of related pseudogenes. <i>Gene</i> , 2002, 291, 223-232.	1.0	31
57	Characterization of the (GAAA) microsatellite region in the plant parasitic nematode <i>Meloidogyne artiellia</i> . <i>Gene</i> , 2002, 293, 191-198.	1.0	19
58	Lineage Specificity of the Evolutionary Dynamics of the mtDNA D-Loop Region in Rodents. <i>Journal of Molecular Evolution</i> , 2002, 54, 145-155.	0.8	40
59	Evolutionary History of the Most Speciose Mammals: Molecular Phylogeny of Muroid Rodents. <i>Molecular Biology and Evolution</i> , 2001, 18, 2017-2031.	3.5	148
60	Where Do Rodents Fit? Evidence from the Complete Mitochondrial Genome of <i>Sciurus vulgaris</i> . <i>Molecular Biology and Evolution</i> , 2000, 17, 979-983.	3.5	110
61	Lineage-Specific Evolutionary Rate in Mammalian mtDNA. <i>Molecular Biology and Evolution</i> , 2000, 17, 1022-1031.	3.5	107
62	Long-branch attraction phenomenon and the impact of among-site rate variation on rodent phylogeny. <i>Gene</i> , 2000, 259, 177-187.	1.0	45
63	Evolution of the mitochondrial genetic system: an overview. <i>Gene</i> , 2000, 261, 153-159.	1.0	122
64	Evolutionary genomics in Metazoa: the mitochondrial DNA as a model system. <i>Gene</i> , 1999, 238, 195-209.	1.0	396
65	Genetic differentiation in Spanish populations of <i>Ceratitis capitata</i> as revealed by abundant soluble protein analysis. <i>Genetica</i> , 1998, 104, 59-66.	0.5	5
66	Use of Molecular Markers for Detecting the Geographical Origin of <i>Ceratitis capitata</i> (Diptera): Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 302	1.3	17
67	Mammalian mitochondrial D-loop region structural analysis: identification of new conserved sequences and their functional and evolutionary implications. <i>Gene</i> , 1997, 205, 125-140.	1.0	437