

Matthew J Young

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

655
citations

687363

13
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Human mitochondrial DNA replication machinery and disease. <i>Current Opinion in Genetics and Development</i> , 2016, 38, 52-62.	3.3	147
2	The evolutionary history of mitochondrial porins. <i>BMC Evolutionary Biology</i> , 2007, 7, 31.	3.2	118
3	Polg2 is essential for mammalian embryogenesis and is required for mtDNA maintenance. <i>Human Molecular Genetics</i> , 2013, 22, 1017-1025.	2.9	62
4	Biochemical analysis of human POLG2 variants associated with mitochondrial disease. <i>Human Molecular Genetics</i> , 2011, 20, 3052-3066.	2.9	57
5	Off-Target Effects of Drugs that Disrupt Human Mitochondrial DNA Maintenance. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 74.	3.5	57
6	Phylogenetic and coevolutionary analysis of the β -barrel protein family comprised of mitochondrial porin (VDAC) and Tom40. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1502-1519.	2.6	42
7	Effects of the S288c genetic background and common auxotrophic markers on mitochondrial DNA function in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2008, 25, 903-912.	1.7	38
8	<i>POLG2</i> disease variants: analyses reveal a dominant negative heterodimer, altered mitochondrial localization and impaired respiratory capacity. <i>Human Molecular Genetics</i> , 2015, 24, 5184-5197.	2.9	27
9	A p.R369G <i>POLG2</i> mutation associated with adPEO and multiple mtDNA deletions causes decreased affinity between polymerase β subunits. <i>Mitochondrion</i> , 2012, 12, 313-319.	3.4	21
10	Purification and functional characterization of human mitochondrial DNA polymerase gamma harboring disease mutations. <i>Methods</i> , 2010, 51, 379-384.	3.8	17
11	Comparison of HepaRG cells following growth in proliferative and differentiated culture conditions reveals distinct bioenergetic profiles. <i>Cell Cycle</i> , 2019, 18, 476-499.	2.6	15
12	The carboxyl-terminal extension on fungal mitochondrial DNA polymerases: identification of a critical region of the enzyme from <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2006, 23, 101-116.	1.7	14
13	The antiretroviral 2',3'-dideoxycytidine causes mitochondrial dysfunction in proliferating and differentiated HepaRG human cell cultures. <i>Journal of Biological Chemistry</i> , 2021, 296, 100206.	3.4	14
14	Analysis of Human Mitochondrial DNA Content by Southern Blotting and Nonradioactive Probe Hybridization. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2019, 80, e75.	1.1	8
15	Remdesivir triphosphate blocks DNA synthesis and increases exonucleolysis by the replicative mitochondrial DNA polymerase, Pol β . <i>Mitochondrion</i> , 2021, 61, 147-158.	3.4	5
16	Analysis of Mitochondrial DNA Polymorphisms in the Human Cell Lines HepaRG and SJCRH30. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3245.	4.1	4
17	Identification of Somatic Mitochondrial DNA Mutations, Heteroplasmy, and Increased Levels of Catenanes in Tumor Specimens Obtained from Three Endometrial Cancer Patients. <i>Life</i> , 2022, 12, 562.	2.4	2
18	A non-radioactive DNA synthesis assay demonstrates that elements of the Sigma 1278b Mip1 mitochondrial DNA polymerase domain and C-terminal extension facilitate robust enzyme activity. <i>Yeast</i> , 2021, 38, 262-275.	1.7	1

#	ARTICLE	IF	CITATIONS
19	The complexity of heterozygous POLG2 mutations associated with human mitochondrial disease. Mitochondrion, 2013, 13, 930.	3.4	0
20	Observation on the ultrastructure morphology of HeLa cells treated with ethanol: Statistical analysis. Ultrastructural Pathology, 2016, 40, 324-332.	0.9	0
21	Abstract B48: Ovarian cancer risk in laying hens is reduced by dietary polyunsaturated fatty acids: Implications for soluble E-cadherin, de novo lipogenesis, and mitochondrial metabolism. , 2020, , .		0
22	Heterozygous p.Y955C mutation in DNA polymerase β leads to alterations in bioenergetics, complex I subunit expression, and mtDNA replication. Journal of Biological Chemistry, 2022, 298, 102196.	3.4	0