Christopher B Jackson

List of Publications by Year
in descending order

31 papers	1,364 citations	448610 19 h-index	511568 30 g-index
34 all docs	34 docs citations	34 times ranked	2820 citing authors

#	Article	IF	Citations
1	Translation of MT-ATP6 pathogenic variants reveals distinct regulatory consequences from the co-translational quality control of mitochondrial protein synthesis. Human Molecular Genetics, 2022, 31, 1230-1241.	1.4	5
2	Progressive myoclonus epilepsiesâ€"Residual unsolved cases have marked genetic heterogeneity including dolichol-dependent protein glycosylation pathway genes. American Journal of Human Genetics, 2021, 108, 722-738.	2.6	41
3	In-frame deletion in canine PITRM1 is associated with a severe early-onset epilepsy, mitochondrial dysfunction and neurodegeneration. Human Genetics, 2021, 140, 1593-1609.	1.8	9
4	The roles of assembly factors in mammalian mitoribosome biogenesis. Mitochondrion, 2021, 60, 70-84.	1.6	16
5	High-Resolution Respirometry to Assess Bioenergetics in Cells and Tissues Using Chamber- and Plate-Based Respirometers. Journal of Visualized Experiments, 2021, , .	0.2	4
6	SUCLA2 mutations cause global protein succinylation contributing to the pathomechanism of a hereditary mitochondrial disease. Nature Communications, 2020, 11, 5927.	5.8	35
7	3D Co-culture of hiPSC-Derived Cardiomyocytes With Cardiac Fibroblasts Improves Tissue-Like Features of Cardiac Spheroids. Frontiers in Molecular Biosciences, 2020, 7, 14.	1.6	110
8	Therapeutic Manipulation of mtDNA Heteroplasmy: A Shifting Perspective. Trends in Molecular Medicine, 2020, 26, 698-709.	3.5	52
9	Novel synonymous and missense variants in FGFR1 causing Hartsfield syndrome. American Journal of Medical Genetics, Part A, 2019, 179, 2447-2453.	0.7	10
10	Fibroblast Growth Factor 21 Drives Dynamics of Local and Systemic Stress Responses in Mitochondrial Myopathy with mtDNA Deletions. Cell Metabolism, 2019, 30, 1040-1054.e7.	7.2	166
11	A variant inMRPS14(uS14m) causes perinatal hypertrophic cardiomyopathy with neonatal lactic acidosis, growth retardation, dysmorphic features and neurological involvement. Human Molecular Genetics, 2019, 28, 639-649.	1.4	33
12	Reply to â€˜Letter to Editor by Finsterer J and Zarrouk-Mahjoub S: Phenotypic manifestations of the m.8969G>A variantâ€™. Neurogenetics, 2018, 19, 133-134.	0.7	0
13	Defective mitochondrial ATPase due to rare mtDNA m.8969G>A mutationâ€"causing lactic acidosis, intellectual disability, and poor growth. Neurogenetics, 2018, 19, 49-53.	0.7	7
14	Loss of mtDNA activates astrocytes and leads to spongiotic encephalopathy. Nature Communications, 2018, 9, 70.	5.8	38
15	Neutrophil extracellular trap formation requires OPA1-dependent glycolytic ATP production. Nature Communications, 2018, 9, 2958.	5.8	121
16	A novel mitochondrial ATP6 frameshift mutation causing isolated complex V deficiency, ataxia and encephalomyopathy. European Journal of Medical Genetics, 2017, 60, 345-351.	0.7	25
17	SDHA mutation with dominant transmission results in complex II deficiency with ocular, cardiac, and neurologic involvement. American Journal of Medical Genetics, Part A, 2017, 173, 225-230.	0.7	26
18	Near-complete elimination of mutant mtDNA by iterative or dynamic dose-controlled treatment with mtZFNs. Nucleic Acids Research, 2016, 44, 7804-7816.	6.5	97

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19	Robust Label-free, Quantitative Profiling of Circulating Plasma Microparticle (MP) Associated Proteins. Molecular and Cellular Proteomics, 2016, 15, 3640-3652.	2.5	33
20	Calcification of vascular smooth muscle cells is induced by secondary calciprotein particles and enhanced by tumor necrosis factor-Î±. Atherosclerosis, 2016, 251, 404-414.	0.4	188
21	A novel mutation in BCS1L associated with deafness, tubulopathy, growth retardation and microcephaly. European Journal of Pediatrics, 2016, 175, 517-525.	1.3	14
22	Deficiency of <scp>ECHS</scp>1 causes mitochondrial encephalopathy with cardiac involvement. Annals of Clinical and Translational Neurology, 2015, 2, 492-509.	1.7	90
23	Mutations inSDHDlead to autosomal recessive encephalomyopathy and isolated mitochondrial complex II deficiency. Journal of Medical Genetics, 2014, 51, 170-175.	1.5	75
24	Novel mitochondrial tRNAIlem.4282A>G gene mutation leads to chronic progressive external ophthalmoplegia plus phenotype. British Journal of Ophthalmology, 2014, 98, 1453-1459.	2.1	11
25	Mitochondrial leucine tRNA level and PTCD1 are regulated in response to leucine starvation. Amino Acids, 2014, 46, 1775-1783.	1.2	8
26	Trypanosomal TAC40 constitutes a novel subclass of mitochondrial Î²-barrel proteins specialized in mitochondrial genome inheritance. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7624-7629.	3.3	47
27	Heterologous expression from the human D-Loop in organello. Mitochondrion, 2014, 17, 67-75.	1.6	7
28	qPCR-based mitochondrial DNA quantification: Influence of template DNA fragmentation on accuracy. Biochemical and Biophysical Research Communications, 2012, 423, 441-447.	1.0	21
29	Impairment of mitochondrial tRNAIle processing by a novel mutation associated with chronic progressive external ophthalmoplegia. Mitochondrion, 2011, 11, 488-496.	1.6	18
30	Molecular and biochemical characterisation of a novel mutation in POLGassociated with Alpers syndrome. BMC Neurology, 2011, 11, 4.	0.8	31
31	Quantitative 1-Step DNA Methylation Analysis with Native Genomic DNA as Template. Clinical Chemistry, 2010, 56, 1098-1106.	1.5	24