Christopher B Jackson

List of Publications by Year
in descending order

31 papers	1,364 citations	394421 19 h-index	454955 30 g-index
34 all docs	34 docs citations	34 times ranked	2637 citing authors

#	Article	IF	Citations
1	Calcification of vascular smooth muscle cells is induced by secondary calciprotein particles and enhanced by tumor necrosis factor-Î±. Atherosclerosis, 2016, 251, 404-414.	0.8	188
2	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.	16.2	166
3	Neutrophil extracellular trap formation requires OPA1-dependent glycolytic ATP production. Nature Communications, 2018, 9, 2958.	12.8	121
4	3D Co-culture of hiPSC-Derived Cardiomyocytes With Cardiac Fibroblasts Improves Tissue-Like Features of Cardiac Spheroids. Frontiers in Molecular Biosciences, 2020, 7, 14.	3.5	110
5	Near-complete elimination of mutant mtDNA by iterative or dynamic dose-controlled treatment with mtZFNs. Nucleic Acids Research, 2016, 44, 7804-7816.	14.5	97
6	Deficiency of <scp>ECHS</scp>1 causes mitochondrial encephalopathy with cardiac involvement. Annals of Clinical and Translational Neurology, 2015, 2, 492-509.	3.7	90
7	Mutations inSDHDlead to autosomal recessive encephalomyopathy and isolated mitochondrial complex II deficiency. Journal of Medical Genetics, 2014, 51, 170-175.	3.2	75
8	Therapeutic Manipulation of mtDNA Heteroplasmy: A Shifting Perspective. Trends in Molecular Medicine, 2020, 26, 698-709.	6.7	52
9	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.	7.1	47
10	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.	6.2	41
11	Loss of mtDNA activates astrocytes and leads to spongiotic encephalopathy. Nature Communications, 2018, 9, 70.	12.8	38
12	SUCLA2 mutations cause global protein succinylation contributing to the pathomechanism of a hereditary mitochondrial disease. Nature Communications, 2020, 11, 5927.	12.8	35
13	Robust Label-free, Quantitative Profiling of Circulating Plasma Microparticle (MP) Associated Proteins. Molecular and Cellular Proteomics, 2016, 15, 3640-3652.	3.8	33
14	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.	2.9	33
15	Molecular and biochemical characterisation of a novel mutation in POLGassociated with Alpers syndrome. BMC Neurology, 2011, 11, 4.	1.8	31
16	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.	1.2	26
17	A novel mitochondrial ATP6 frameshift mutation causing isolated complex V deficiency, ataxia and encephalomyopathy. European Journal of Medical Genetics, 2017, 60, 345-351.	1.3	25
18	Quantitative 1-Step DNA Methylation Analysis with Native Genomic DNA as Template. Clinical Chemistry, 2010, 56, 1098-1106.	3.2	24

#	Article	IF	Citations
19	qPCR-based mitochondrial DNA quantification: Influence of template DNA fragmentation on accuracy. Biochemical and Biophysical Research Communications, 2012, 423, 441-447.	2.1	21
20	Impairment of mitochondrial tRNAIle processing by a novel mutation associated with chronic progressive external ophthalmoplegia. Mitochondrion, 2011, 11, 488-496.	3.4	18
21	The roles of assembly factors in mammalian mitoribosome biogenesis. Mitochondrion, 2021, 60, 70-84.	3.4	16
22	A novel mutation in BCS1L associated with deafness, tubulopathy, growth retardation and microcephaly. European Journal of Pediatrics, 2016, 175, 517-525.	2.7	14
23	Novel mitochondrial tRNAIlem.4282A>G gene mutation leads to chronic progressive external ophthalmoplegia plus phenotype. British Journal of Ophthalmology, 2014, 98, 1453-1459.	3.9	11
24	Novel synonymous and missense variants in FGFR1 causing Hartsfield syndrome. American Journal of Medical Genetics, Part A, 2019, 179, 2447-2453.	1.2	10
25	In-frame deletion in canine PITRM1 is associated with a severe early-onset epilepsy, mitochondrial dysfunction and neurodegeneration. Human Genetics, 2021, 140, 1593-1609.	3.8	9
26	Mitochondrial leucine tRNA level and PTCD1 are regulated in response to leucine starvation. Amino Acids, 2014, 46, 1775-1783.	2.7	8
27	Heterologous expression from the human D-Loop in organello. Mitochondrion, 2014, 17, 67-75.	3.4	7
28	Defective mitochondrial ATPase due to rare mtDNA m.8969G>A mutationâ€"causing lactic acidosis, intellectual disability, and poor growth. Neurogenetics, 2018, 19, 49-53.	1.4	7
29	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.	2.9	5
30	High-Resolution Respirometry to Assess Bioenergetics in Cells and Tissues Using Chamber- and Plate-Based Respirometers. Journal of Visualized Experiments, 2021, , .	0.3	4
31	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.	1.4	0