Pedro Rebelo-Guiomar

List of Publications by Year
in descending order

17 papers	1,208 citations	687220 13 h-index	887953 17 g-index
20 all docs	20 docs citations	20 times ranked	1796 citing authors

#	Article	IF	Citations
1	Genome editing in mitochondria corrects a pathogenic mtDNA mutation in vivo. Nature Medicine, 2018, 24, 1691-1695.	15.2	215
2	Regulation of Mammalian Mitochondrial Gene Expression: Recent Advances. Trends in Biochemical Sciences, 2017, 42, 625-639.	3.7	151
3	Linear mitochondrial DNA is rapidly degraded by components of the replication machinery. Nature Communications, 2018, 9, 1727.	5.8	151
4	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
5	Variants in PUS7 Cause Intellectual Disability with Speech Delay, Microcephaly, Short Stature, and Aggressive Behavior. American Journal of Human Genetics, 2018, 103, 1045-1052.	2.6	89
6	The Pseudouridine Synthase RPUSD4 Is an Essential Component of Mitochondrial RNA Granules. Journal of Biological Chemistry, 2017, 292, 4519-4532.	1.6	79
7	Maturation of selected human mitochondrial tRNAs requires deadenylation. ELife, 2017, 6, .	2.8	72
8	METTL15 introduces N4-methylcytidine into human mitochondrial 12S rRNA and is required for mitoribosome biogenesis. Nucleic Acids Research, 2019, 47, 10267-10281.	6.5	70
9	Defective mitochondrial rRNA methyltransferase MRM2 causes MELAS-like clinical syndrome. Human Molecular Genetics, 2017, 26, 4257-4266.	1.4	63
10	Biallelic C1QBP Mutations Cause Severe Neonatal-, Childhood-, or Later-Onset Cardiomyopathy Associated with Combined Respiratory-Chain Deficiencies. American Journal of Human Genetics, 2017, 101, 525-538.	2.6	58
11	Pathogenic variants in glutamyl-tRNAGln amidotransferase subunits cause a lethal mitochondrial cardiomyopathy disorder. Nature Communications, 2018, 9, 4065.	5.8	44
12	The mammalian mitochondrial epitranscriptome. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 429-446.	0.9	40
13	Mutations inELAC2associated with hypertrophic cardiomyopathy impair mitochondrial tRNA 3â€²â€end processing. Human Mutation, 2019, 40, 1731-1748.	1.1	31
14	Quantitative density gradient analysis by mass spectrometry (qDGMS) and complexome profiling analysis (ComPrAn) R package for the study of macromolecular complexes. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148399.	0.5	16
15	A late-stage assembly checkpoint of the human mitochondrial ribosome large subunit. Nature Communications, 2022, 13, 929.	5.8	13
16	Cardiac mitochondrial function depends on BUD23 mediated ribosome programming. ELife, 2020, 9, .	2.8	10
17	YbeY is required for ribosome small subunit assembly and tRNA processing in human mitochondria. Nucleic Acids Research, 2021, 49, 5798-5812.	6.5	8