Sarah E Calvo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/693440/publications.pdf

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27 papers	7,284 citations	257450 24 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	12357 citing authors

#	Article	IF	Citations
1	A Mitochondrial Protein Compendium Elucidates Complex I Disease Biology. Cell, 2008, 134, 112-123.	28.9	1,766
2	MitoCarta2.0: an updated inventory of mammalian mitochondrial proteins. Nucleic Acids Research, 2016, 44, D1251-D1257.	14.5	1,170
3	MitoCarta3.0: an updated mitochondrial proteome now with sub-organelle localization and pathway annotations. Nucleic Acids Research, 2021, 49, D1541-D1547.	14.5	760
4	EMRE Is an Essential Component of the Mitochondrial Calcium Uniporter Complex. Science, 2013, 342, 1379-1382.	12.6	537
5	The Mitochondrial Proteome and Human Disease. Annual Review of Genomics and Human Genetics, 2010, 11, 25-44.	6.2	497
6	Molecular Diagnosis of Infantile Mitochondrial Disease with Targeted Next-Generation Sequencing. Science Translational Medicine, 2012, 4, 118ra10.	12.4	406
7	High-throughput, pooled sequencing identifies mutations in NUBPL and FOXRED1 in human complex I deficiency. Nature Genetics, 2010, 42, 851-858.	21.4	332
8	Systematic identification of human mitochondrial disease genes through integrative genomics. Nature Genetics, 2006, 38, 576-582.	21.4	321
9	A Genome-wide CRISPR Death Screen Identifies Genes Essential for Oxidative Phosphorylation. Cell Metabolism, 2016, 24, 875-885.	16.2	244
10	Widespread Chromosomal Losses and Mitochondrial DNA Alterations as Genetic Drivers in HÃ¼rthle Cell Carcinoma. Cancer Cell, 2018, 34, 242-255.e5.	16.8	185
11	Targeted exome sequencing of suspected mitochondrial disorders. Neurology, 2013, 80, 1762-1770.	1.1	155
12	Genetic Screen for Cell Fitness in High or Low Oxygen Highlights Mitochondrial and Lipid Metabolism. Cell, 2020, 181, 716-727.e11.	28.9	126
13	Expansion of Biological Pathways Based on Evolutionary Inference. Cell, 2014, 158, 213-225.	28.9	107
14	Biallelic Mutations in MRPS34 Lead to Instability of the Small Mitoribosomal Subunit and Leigh Syndrome. American Journal of Human Genetics, 2017, 101, 239-254.	6.2	83
15	Spatiotemporal compartmentalization of hepatic NADH and NADPH metabolism. Journal of Biological Chemistry, 2018, 293, 7508-7516.	3.4	81
16	Hypoxia Rescues Frataxin Loss by Restoring Iron Sulfur Cluster Biogenesis. Cell, 2019, 177, 1507-1521.e16.	28.9	80
17	Comparative Analysis of Mitochondrial N-Termini from Mouse, Human, and Yeast. Molecular and Cellular Proteomics, 2017, 16, 512-523.	3.8	71
18	Early loss of mitochondrial complex I and rewiring of glutathione metabolism in renal oncocytoma. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6283-E6290.	7.1	70

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19	Mitochondrial DNA variation across 56,434 individuals in gnomAD. Genome Research, 2022, 32, 569-582.	5.5	59
20	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.	6.2	58
21	Fatal Perinatal Mitochondrial Cardiac Failure Caused by Recurrent De Novo Duplications in the ATAD3 Locus. Med, 2021, 2, 49-73.e10.	4.4	33
22	Loss of LUC7L2 and U1 snRNP subunits shifts energy metabolism from glycolysis to OXPHOS. Molecular Cell, 2021, 81, 1905-1919.e12.	9.7	33
23	Combinatorial GxGxE CRISPR screen identifies SLC25A39 in mitochondrial glutathione transport linking iron homeostasis to OXPHOS. Nature Communications, 2022, 13, 2483.	12.8	31
24	CLIC, a tool for expanding biological pathways based on co-expression across thousands of datasets. PLoS Computational Biology, 2017, 13, e1005653.	3.2	30
25	CLYBL is a polymorphic human enzyme with malate synthase and Î²-methylmalate synthase activity. Human Molecular Genetics, 2014, 23, 2313-2323.	2.9	29
26	A patient with homozygous nonsense variants in two Leigh syndrome disease genes: Distinguishing a dual diagnosis from a hypomorphic proteinâ€truncating variant. Human Mutation, 2019, 40, 893-898.	2.5	8
27	Megaloblastic Anemia and Mitochondriopathy Caused by a Homozygous Mutation in Sideroflexin-4.. Blood, 2012, 120, 79-79.	1.4	0