Sergio Guerrero-Castillo

List of Publications by Year
in descending order

38	1,882	304743	315739
papers	citations	22 h-index	38 g-index

42	42	42	2947
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ZBTB11 dysfunction: spectrum of brain abnormalities, biochemical signature and cellular consequences. Brain, 2022, 145, 2602-2616.	7.6	5
2	The plastid proteome of the nonphotosynthetic chlorophycean alga Polytomella parva. Microbiological Research, 2021, 243, 126649.	5.3	5
3	Neutropenia and intellectual disability are hallmarks of biallelic and de novo CLPB deficiency. Genetics in Medicine, 2021, 23, 1705-1714.	2.4	22
4	CEDAR, an online resource for the reporting and exploration of complexome profiling data. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148411.	1.0	27
5	Multiplexed complexome profiling using tandem mass tags. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148448.	1.0	6
6	Ablation of mitochondrial DNA results in widespread remodeling of the mitochondrial complexome. EMBO Journal, 2021, 40, e108648.	7.8	18
7	Complexome Profilingâ€"Exploring Mitochondrial Protein Complexes in Health and Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 796128.	3.7	20
8	Novel defect in phosphatidylinositol 4â€kinase type 2â€alpha (<scp>PI4K2A</scp>) at the membraneâ€enzyme interface is associated with metabolic cutis laxa. Journal of Inherited Metabolic Disease, 2020, 43, 1382-1391.	3.6	7
9	TMEM70 functions in the assembly of complexes I and V. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148202.	1.0	31
10	A salvage pathway maintains highly functional respiratory complex I. Nature Communications, 2020, 11, 1643.	12.8	80
11	Complexome analysis of the nitrite-dependent methanotroph Methylomirabilis lanthanidiphila. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 734-744.	1.0	18
12	COmplexome Profiling ALignment (COPAL) reveals remodeling of mitochondrial protein complexes in Barth syndrome. Bioinformatics, 2019, 35, 3083-3091.	4.1	37
13	Deactivation of mitochondrial complex I after hypoxiaâ€"ischemia in the immature brain. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1790-1802.	4.3	24
14	Bi-allelic Mutations in the Mitochondrial Ribosomal Protein MRPS2 Cause Sensorineural Hearing Loss, Hypoglycemia, and Multiple OXPHOS Complex Deficiencies. American Journal of Human Genetics, 2018, 102, 685-695.	6.2	61
15	Locking loop movement in the ubiquinone pocket of complex I disengages the proton pumps. Nature Communications, 2018, 9, 4500.	12.8	80
16	Barth syndrome cells display widespread remodeling of mitochondrial complexes without affecting metabolic flux distribution. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3650-3658.	3.8	53
17	Mutations in ATP6V1E1 or ATP6V1A Cause Autosomal-Recessive Cutis Laxa. American Journal of Human Genetics, 2017, 100, 216-227.	6.2	82
18	MR-1S Interacts with PET100 and PET117 in Module-Based Assembly of Human Cytochrome c Oxidase. Cell Reports, 2017, 18, 1727-1738.	6.4	86

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19	A homozygous missense mutation in ERAL1, encoding a mitochondrial rRNA chaperone, causes Perrault syndrome. Human Molecular Genetics, 2017, 26, 2541-2550.	2.9	61
20	Identification and evolutionary analysis of tissue-specific isoforms of mitochondrial complex I subunit NDUFV3. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 208-217.	1.0	33
21	The Assembly Pathway of Mitochondrial Respiratory Chain Complex I. Cell Metabolism, 2017, 25, 128-139.	16.2	325
22	Mutations in Complex I Assembly Factor TMEM126B Result in Muscle Weakness and Isolated Complex I Deficiency. American Journal of Human Genetics, 2016, 99, 208-216.	6.2	51
23	Mitochondrial Dysfunction during the Early Stages of Excitotoxic Spinal Motor Neuron Degeneration in Vivo. ACS Chemical Neuroscience, 2016, 7, 886-896.	3.5	18
24	Unraveling the complexity of mitochondrial complex I assembly: A dynamic process. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 980-990.	1.0	110
25	The m -AAA Protease Associated with Neurodegeneration Limits MCU Activity in Mitochondria. Molecular Cell, 2016, 64, 148-162.	9.7	153
26	Evolution and structural organization of the mitochondrial contact site (MICOS) complex and the mitochondrial intermembrane space bridging (MIB) complex. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 91-101.	4.1	150
27	Staphylococcus epidermidis: metabolic adaptation and biofilm formation in response to different oxygen concentrations. Pathogens and Disease, 2016, 74, ftv111.	2.0	35
28	Accessory NUMM (NDUFS6) subunit harbors a Zn-binding site and is essential for biogenesis of mitochondrial complex I. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5685-5690.	7.1	64
29	The Saccharomyces cerevisiae mitochondrial unselective channel behaves as a physiological uncoupling system regulated by Ca2+, Mg2+, phosphate and ATP. Journal of Bioenergetics and Biomembranes, 2015, 47, 477-491.	2.3	10
30	Oxidative phosphorylation in Debaryomyces hansenii: Physiological uncoupling at different growth phases. Biochimie, 2014, 102, 124-136.	2.6	5
31	The branched mitochondrial respiratory chain from Debaryomyces hansenii: Components and supramolecular organization. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 73-84.	1.0	19
32	A critical tyrosine residue determines the uncoupling protein-like activity of the yeast mitochondrial oxaloacetate carrier. Biochemical Journal, 2012, 443, 317-325.	3.7	4
33	Effect of glycolysis inhibition on mitochondrial function in rat brain. Journal of Biochemical and Molecular Toxicology, 2012, 26, 206-211.	3.0	12
34	During the stationary growth phase, Yarrowia lipolytica prevents the overproduction of reactive oxygen species by activating an uncoupled mitochondrial respiratory pathway. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 353-362.	1.0	25
35	Physiological uncoupling of mitochondrial oxidative phosphorylation. Studies in different yeast species. Journal of Bioenergetics and Biomembranes, 2011, 43, 323-331.	2.3	38
36	Mitochondrial Unselective Channels throughout the eukaryotic domain. Mitochondrion, 2011, 11, 382-390.	3.4	35

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37	Mitochondria from the salt-tolerant yeast Debaryomyces hansenii (halophilic organelles?). Journal of Bioenergetics and Biomembranes, 2010, 42, 11-19.	2.3	25
38	In Yarrowia lipolytica mitochondria, the alternative NADH dehydrogenase interacts specifically with the cytochrome complexes of the classic respiratory pathway. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 75-85.	1.0	42