Luke Ethan Formosa

List of Publications by Year
in descending order

24 papers	1,296 citations	567281 15 h-index	580821 25 g-index
28 all docs	28 docs citations	28 times ranked	2249 citing authors

#	Article	IF	Citations
1	Accessory subunits are integral for assembly and function of human mitochondrial complex I. Nature, 2016, 538, 123-126.	27.8	429
2	Building a complex complex: Assembly of mitochondrial respiratory chain complex I. Seminars in Cell and Developmental Biology, 2018, 76, 154-162.	5.0	145
3	Gene Knockout Using Transcription Activator-like Effector Nucleases (TALENs) Reveals That Human NDUFA9 Protein Is Essential for Stabilizing the Junction between Membrane and Matrix Arms of Complex I. Journal of Biological Chemistry, 2013, 288, 1685-1690.	3.4	68
4	Dissecting the Roles of Mitochondrial Complex I Intermediate Assembly Complex Factors in the Biogenesis of Complex I. Cell Reports, 2020, 31, 107541.	6.4	64
5	The â€˜mitochondrial contact site and cristae organising systemâ€™ (MICOS) in health and human disease. Journal of Biochemistry, 2020, 167, 243-255.	1.7	62
6	Preservation of skeletal muscle mitochondrial content in older adults: relationship between mitochondria, fibre type and highâ€intensity exercise training. Journal of Physiology, 2017, 595, 3345-3359.	2.9	60
7	Characterization of mitochondrial FOXRED1 in the assembly of respiratory chain complex I. Human Molecular Genetics, 2015, 24, 2952-2965.	2.9	59
8	Biallelic Mutations in TMEM126B Cause Severe Complex I Deficiency with a Variable Clinical Phenotype. American Journal of Human Genetics, 2016, 99, 217-227.	6.2	57
9	<scp>OXA</scp> 1L mutations cause mitochondrial encephalopathy and a combined oxidative phosphorylation defect. EMBO Molecular Medicine, 2018, 10, .	6.9	54
10	Mitochondrial OXPHOS complex assembly lines. Nature Cell Biology, 2018, 20, 511-513.	10.3	51
11	The Mitochondrial Acyl-carrier Protein Interaction Network Highlights Important Roles for LYRM Family Members in Complex I and Mitoribosome Assembly. Molecular and Cellular Proteomics, 2020, 19, 65-77.	3.8	43
12	Metabolic characteristics of CD8+ T cell subsets in young and aged individuals are not predictive of functionality. Nature Communications, 2020, 11, 2857.	12.8	33
13	Fatal Perinatal Mitochondrial Cardiac Failure Caused by Recurrent De Novo Duplications in the ATAD3 Locus. Med, 2021, 2, 49-73.e10.	4.4	33
14	Mitochondrial fusion: Reaching the end of mitofusinâ€™s tether. Journal of Cell Biology, 2016, 215, 597-598.	5.2	20
15	A homozygous variant in <scp>NDUFA8</scp> is associated with developmental delay, microcephaly, and epilepsy due to mitochondrial complex I deficiency. Clinical Genetics, 2020, 98, 155-165.	2.0	18
16	SILAC-based complexome profiling dissects the structural organization of the human respiratory supercomplexes in SCAFIKO cells. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148414.	1.0	15
17	Optic atrophyâ€“associated TMEM126A is an assembly factor for the ND4-module of mitochondrial complex I. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
18	Translation and Assembly of Radiolabeled Mitochondrial DNA-Encoded Protein Subunits from Cultured Cells and Isolated Mitochondria. Methods in Molecular Biology, 2016, 1351, 115-129.	0.9	12

#	Article	IF	Citations
19	Mitochondrial COA7 is a heme-binding protein with disulfide reductase activity, which acts in the early stages of complex IV assembly. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	12
20	A Role for the Mitochondrial Protein Mrpl44 in Maintaining OXPHOS Capacity. PLoS ONE, 2015, 10, e0134326.	2.5	11
21	Sideroflexin 4 is a complex I assembly factor that interacts with the MCIA complex and is required for the assembly of the ND2 module. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115566119.	7.1	10
22	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
23	Abnormalities of mitochondrial dynamics and bioenergetics in neuronal cells from CDKL5 deficiency disorder. Neurobiology of Disease, 2021, 155, 105370.	4.4	6
24	Inwardly rectifying potassium channels mediate polymyxin-induced nephrotoxicity. Cellular and Molecular Life Sciences, 2022, 79, 296.	5.4	4