

# Luke Ethan Formosa

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Mitochondrial COA7 is a heme-binding protein with disulfide reductase activity, which acts in the early stages of complex IV assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	12
2	Sideroflexin 4 is a complex I assembly factor that interacts with the MCI1 complex and is required for the assembly of the ND2 module. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115566119.	7.1	10
3	Inwardly rectifying potassium channels mediate polymyxin-induced nephrotoxicity. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 296.	5.4	4
4	Fatal Perinatal Mitochondrial Cardiac Failure Caused by Recurrent De Novo Duplications in the ATAD3 Locus. <i>Med</i> , 2021, 2, 49-73.e10.	4.4	33
5	Optic atrophy-associated TMEM126A is an assembly factor for the ND4-module of mitochondrial complex I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
6	SILAC-based complexome profiling dissects the structural organization of the human respiratory supercomplexes in SCAFIKO cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148414.	1.0	15
7	Abnormalities of mitochondrial dynamics and bioenergetics in neuronal cells from CDKL5 deficiency disorder. <i>Neurobiology of Disease</i> , 2021, 155, 105370.	4.4	6
8	The Mitochondrial Acyl-carrier Protein Interaction Network Highlights Important Roles for LYRM Family Members in Complex I and Mitoribosome Assembly. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 65-77.	3.8	43
9	The "mitochondrial contact site and cristae organising system" (MICOS) in health and human disease. <i>Journal of Biochemistry</i> , 2020, 167, 243-255.	1.7	62
10	A homozygous variant in <i>NDUFA8</i> is associated with developmental delay, microcephaly, and epilepsy due to mitochondrial complex I deficiency. <i>Clinical Genetics</i> , 2020, 98, 155-165.	2.0	18
11	Metabolic characteristics of CD8+ T cell subsets in young and aged individuals are not predictive of functionality. <i>Nature Communications</i> , 2020, 11, 2857.	12.8	33
12	Dissecting the Roles of Mitochondrial Complex I Intermediate Assembly Complex Factors in the Biogenesis of Complex I. <i>Cell Reports</i> , 2020, 31, 107541.	6.4	64
13	A patient with homozygous nonsense variants in two Leigh syndrome disease genes: Distinguishing a dual diagnosis from a hypomorphic protein-truncating variant. <i>Human Mutation</i> , 2019, 40, 893-898.	2.5	8
14	Mitochondrial OXPHOS complex assembly lines. <i>Nature Cell Biology</i> , 2018, 20, 511-513.	10.3	51
15	Building a complex complex: Assembly of mitochondrial respiratory chain complex I. <i>Seminars in Cell and Developmental Biology</i> , 2018, 76, 154-162.	5.0	145
16	<i>OXA1L</i> mutations cause mitochondrial encephalopathy and a combined oxidative phosphorylation defect. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	54
17	Preservation of skeletal muscle mitochondrial content in older adults: relationship between mitochondria, fibre type and high-intensity exercise training. <i>Journal of Physiology</i> , 2017, 595, 3345-3359.	2.9	60
18	Biallelic Mutations in TMEM126B Cause Severe Complex I Deficiency with a Variable Clinical Phenotype. <i>American Journal of Human Genetics</i> , 2016, 99, 217-227.	6.2	57

#	ARTICLE	IF	CITATIONS
19	Mitochondrial fusion: Reaching the end of mitofusin's tether. <i>Journal of Cell Biology</i> , 2016, 215, 597-598.	5.2	20
20	Accessory subunits are integral for assembly and function of human mitochondrial complex I. <i>Nature</i> , 2016, 538, 123-126.	27.8	429
21	Translation and Assembly of Radiolabeled Mitochondrial DNA-Encoded Protein Subunits from Cultured Cells and Isolated Mitochondria. <i>Methods in Molecular Biology</i> , 2016, 1351, 115-129.	0.9	12
22	A Role for the Mitochondrial Protein Mrpl44 in Maintaining OXPHOS Capacity. <i>PLoS ONE</i> , 2015, 10, e0134326.	2.5	11
23	Characterization of mitochondrial FOXRED1 in the assembly of respiratory chain complex I. <i>Human Molecular Genetics</i> , 2015, 24, 2952-2965.	2.9	59
24	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. <i>Journal of Biological Chemistry</i> , 2013, 288, 1685-1690.	3.4	68