

Erika Fernandez-Vizarra

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3577819/erika-fernandez-vizarra-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

3,577
citations

31
h-index

59
g-index

69
ext. papers

4,318
ext. citations

7.5
avg. IF

5.33
L-index

#	Paper	IF	Citations
63	Measurement of mitochondrial respiratory chain enzymatic activities in samples.. <i>STAR Protocols</i> , 2022 , 3, 101322	1.4	1
62	Mutation in the MICOS subunit gene (MIC26) associated with an X-linked recessive mitochondrial myopathy, lactic acidosis, cognitive impairment and autistic features. <i>Journal of Medical Genetics</i> , 2021 , 58, 155-167	5.8	10
61	NDUFS3 depletion permits complex I maturation and reveals TMEM126A/OPA7 as an assembly factor binding the ND4-module intermediate. <i>Cell Reports</i> , 2021 , 35, 109002	10.6	5
60	Neural stem cells traffic functional mitochondria via extracellular vesicles. <i>PLoS Biology</i> , 2021 , 19, e3001956	10.6	28
59	Duplexing complexome profiling with SILAC to study human respiratory chain assembly defects. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021 , 1862, 148395	4.6	9
58	SILAC-based complexome profiling dissects the structural organization of the human respiratory supercomplexes in SCAFI cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021 , 1862, 148414	4.6	8
57	CEDAR, an online resource for the reporting and exploration of complexome profiling data. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021 , 1862, 148411	4.6	8
56	Mitochondrial disorders of the OXPHOS system. <i>FEBS Letters</i> , 2021 , 595, 1062-1106	3.8	21
55	Loss of COX4I1 Leads to Combined Respiratory Chain Deficiency and Impaired Mitochondrial Protein Synthesis. <i>Cells</i> , 2021 , 10,	7.9	8
54	Redox-Mediated Regulation of Mitochondrial Biogenesis, Dynamics, and Respiratory Chain Assembly in Yeast and Human Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 720656	5.7	4
53	Blue-Native Electrophoresis to Study the OXPHOS Complexes. <i>Methods in Molecular Biology</i> , 2021 , 2192, 287-311	1.4	4
52	Inflammation causes remodeling of mitochondrial cytochrome oxidase mediated by the bifunctional gene. <i>Science Advances</i> , 2021 , 7, eabl5182	14.3	1
51	A homozygous MRPL24 mutation causes a complex movement disorder and affects the mitoribosome assembly. <i>Neurobiology of Disease</i> , 2020 , 141, 104880	7.5	13
50	Respiratory supercomplexes act as a platform for complex III-mediated maturation of human mitochondrial complexes I and IV. <i>EMBO Journal</i> , 2020 , 39, e102817	13	57
49	Bioenergetic consequences from xenotopic expression of a tunicate AOX in mouse mitochondria: Switch from RET and ROS to FET. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148137	4.6	23
48	Biallelic mutations in NDUFA8 cause complex I deficiency in two siblings with favorable clinical evolution. <i>Molecular Genetics and Metabolism</i> , 2020 , 131, 349-357	3.7	2
47	Knockdown of Causes Cytochrome Oxidase Deficiency, Neuromuscular Impairment, and Reduced Resistance to Oxidative Stress in. <i>Frontiers in Physiology</i> , 2019 , 10, 1143	4.6	7

46	Inhibition of proteasome rescues a pathogenic variant of respiratory chain assembly factor COA7. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	37
45	miR-181a/b downregulation exerts a protective action on mitochondrial disease models. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	38
44	Mitochondrially-targeted APOBEC1 is a potent mtDNA mutator affecting mitochondrial function and organismal fitness in <i>Drosophila</i> . <i>Nature Communications</i> , 2019 , 10, 3280	17.4	10
43	APOPT1/COA8 assists COX assembly and is oppositely regulated by UPS and ROS. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	9
42	Neuronal complex I deficiency occurs throughout the Parkinson's disease brain, but is not associated with neurodegeneration or mitochondrial DNA damage. <i>Acta Neuropathologica</i> , 2018 , 135, 409-425	14.3	59
41	SURF1 knockout cloned pigs: Early onset of a severe lethal phenotype. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 2131-2142	6.9	12
40	Cavitating Leukoencephalopathy With Posterior Predominance Caused by a Deletion in the APOPT1 Gene in an Indian Boy. <i>Journal of Child Neurology</i> , 2018 , 33, 428-431	2.5	8
39	Assembly of mammalian oxidative phosphorylation complexes I-V and supercomplexes. <i>Essays in Biochemistry</i> , 2018 , 62, 255-270	7.6	107
38	Mitochondrial complex III Rieske Fe-S protein processing and assembly. <i>Cell Cycle</i> , 2018 , 17, 681-687	4.7	28
37	Novel mutation in mitochondrial Elongation Factor EF-Tu associated to dysplastic leukoencephalopathy and defective mitochondrial DNA translation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 961-967	6.9	7
36	MR-1S Interacts with PET100 and PET117 in Module-Based Assembly of Human Cytochrome c Oxidase. <i>Cell Reports</i> , 2017 , 18, 1727-1738	10.6	64
35	TTC19 Plays a Husbandry Role on UQCRC1 Turnover in the Biogenesis of Mitochondrial Respiratory Complex III. <i>Molecular Cell</i> , 2017 , 67, 96-105.e4	17.6	43
34	COX7A2L Is a Mitochondrial Complex III Binding Protein that Stabilizes the III2+IV Supercomplex without Affecting Respirasome Formation. <i>Cell Reports</i> , 2016 , 16, 2387-98	10.6	71
33	Defective PITRM1 mitochondrial peptidase is associated with Alzheimer's neurodegeneration. <i>EMBO Molecular Medicine</i> , 2016 , 8, 176-90	12	46
32	COA7 (C1orf163/RESA1) mutations associated with mitochondrial leukoencephalopathy and cytochrome c oxidase deficiency. <i>Journal of Medical Genetics</i> , 2016 , 53, 846-849	5.8	31
31	Exome sequencing coupled with mRNA analysis identifies NDUFAF6 as a Leigh gene. <i>Molecular Genetics and Metabolism</i> , 2016 , 119, 214-222	3.7	19
30	Nuclear gene mutations as the cause of mitochondrial complex III deficiency. <i>Frontiers in Genetics</i> , 2015 , 6, 134	4.5	88
29	Mutations in NDUFB11, encoding a complex I component of the mitochondrial respiratory chain, cause microphthalmia with linear skin defects syndrome. <i>American Journal of Human Genetics</i> , 2015 , 96, 640-50	11	49

28	Mutations in APOPT1, encoding a mitochondrial protein, cause cavitating leukoencephalopathy with cytochrome c oxidase deficiency. <i>American Journal of Human Genetics</i> , 2014 , 95, 315-25	11	48
27	Supercomplex assembly determines electron flux in the mitochondrial electron transport chain. <i>Science</i> , 2013 , 340, 1567-70	33.3	528
26	LYRM7/MZM1L is a UQCRFS1 chaperone involved in the last steps of mitochondrial Complex III assembly in human cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 285-93	4.6	60
25	Proteomics and gene expression analyses of mitochondria from squalene-treated apoE-deficient mice identify short-chain specific acyl-CoA dehydrogenase changes associated with fatty liver amelioration. <i>Journal of Proteomics</i> , 2012 , 75, 2563-75	3.9	10
24	Loss of mitochondrial protease OMA1 alters processing of the GTPase OPA1 and causes obesity and defective thermogenesis in mice. <i>EMBO Journal</i> , 2012 , 31, 2117-33	13	180
23	Partial tandem duplication of mtDNA-tRNA(Phe) impairs mtDNA translation in late-onset mitochondrial myopathy. <i>Neuromuscular Disorders</i> , 2012 , 22, 50-5	2.9	1
22	Tissue-specific differences in mitochondrial activity and biogenesis. <i>Mitochondrion</i> , 2011 , 11, 207-13	4.9	96
21	Five entry points of the mitochondrially encoded subunits in mammalian complex I assembly. <i>Molecular and Cellular Biology</i> , 2010 , 30, 3038-47	4.8	52
20	Isolation of mitochondria for biogenetical studies: An update. <i>Mitochondrion</i> , 2010 , 10, 253-62	4.9	125
19	Early-onset liver mtDNA depletion and late-onset proteinuric nephropathy in Mpv17 knockout mice. <i>Human Molecular Genetics</i> , 2009 , 18, 12-26	5.6	77
18	Assembly of the oxidative phosphorylation system in humans: what we have learned by studying its defects. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 200-11	4.9	160
17	Nonsense mutation in pseudouridylate synthase 1 (PUS1) in two brothers affected by myopathy, lactic acidosis and sideroblastic anaemia (MLASA). <i>BMJ Case Reports</i> , 2009 , 2009,	0.9	5
16	How do human cells react to the absence of mitochondrial DNA?. <i>PLoS ONE</i> , 2009 , 4, e5713	3.7	25
15	Mitochondrial gene expression is regulated at multiple levels and differentially in the heart and liver by thyroid hormones. <i>Current Genetics</i> , 2008 , 54, 13-22	2.9	33
14	Severe infantile encephalomyopathy caused by a mutation in COX6B1, a nucleus-encoded subunit of cytochrome c oxidase. <i>American Journal of Human Genetics</i> , 2008 , 82, 1281-9	11	151
13	FASTKD2 nonsense mutation in an infantile mitochondrial encephalomyopathy associated with cytochrome c oxidase deficiency. <i>American Journal of Human Genetics</i> , 2008 , 83, 415-23	11	93
12	Nonsense mutation in pseudouridylate synthase 1 (PUS1) in two brothers affected by myopathy, lactic acidosis and sideroblastic anaemia (MLASA). <i>Journal of Medical Genetics</i> , 2007 , 44, 173-80	5.8	107
11	Impaired complex III assembly associated with BCS1L gene mutations in isolated mitochondrial encephalopathy. <i>Human Molecular Genetics</i> , 2007 , 16, 1241-52	5.6	141

10	Infantile encephalopathy and defective mitochondrial DNA translation in patients with mutations of mitochondrial elongation factors EFG1 and EFTu. <i>American Journal of Human Genetics</i> , 2007 , 80, 44-58 ¹¹		156
9	In vivo and in organello analyses of mitochondrial translation. <i>Methods in Cell Biology</i> , 2007 , 80, 571-88	1.8	40
8	Isolation of Mitochondria from Mammalian Tissues and Cultured Cells 2006 , 69-77		4
7	MPV17 encodes an inner mitochondrial membrane protein and is mutated in infantile hepatic mitochondrial DNA depletion. <i>Nature Genetics</i> , 2006 , 38, 570-5	36.3	341
6	In vitro transcription termination activity of the Drosophila mitochondrial DNA-binding protein DmTTF. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 331, 357-62	3.4	20
5	Redox activation of mitochondrial intermembrane space Cu,Zn-superoxide dismutase. <i>Biochemical Journal</i> , 2005 , 387, 203-9	3.8	49
4	Isolation of biogenetically competent mitochondria from mammalian tissues and cultured cells. <i>Methods</i> , 2002 , 26, 292-7	4.6	129
3	Neural stem cells traffic functional mitochondria via extracellular vesicles to correct mitochondrial dysfunction in target cells		4
2	Biogenesis of NDUFS3-less complex I indicates TMEM126A/OPA7 as an assembly factor of the ND4-module		2
1	CEDAR, an online resource for the reporting and exploration of complexome profiling data		4