

Erika Fernandez-Vizarra

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,900
citations

109321

35
h-index

128289

60
g-index

69
all docs

69
docs citations

69
times ranked

6720
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of mitochondrial respiratory chain enzymatic activities in <i>Drosophila melanogaster</i> samples. <i>STAR Protocols</i> , 2022, 3, 101322.	1.2	9
2	Mitochondrial Cytochrome c Oxidase Defects Alter Cellular Homeostasis of Transition Metals. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	3.7	5
3	Mitochondrial disorders of the OXPHOS system. <i>FEBS Letters</i> , 2021, 595, 1062-1106.	2.8	117
4	Loss of COX4I1 Leads to Combined Respiratory Chain Deficiency and Impaired Mitochondrial Protein Synthesis. <i>Cells</i> , 2021, 10, 369.	4.1	21
5	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.	6.4	13
6	Neural stem cells traffic functional mitochondria via extracellular vesicles. <i>PLoS Biology</i> , 2021, 19, e3001166.	5.6	95
7	Duplexing complexome profiling with SILAC to study human respiratory chain assembly defects. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148395.	1.0	15
8	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
9	CEDAR, an online resource for the reporting and exploration of complexome profiling data. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021, 1862, 148411.	1.0	27
10	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.	3.7	25
11	Blue-Native Electrophoresis to Study the OXPHOS Complexes. <i>Methods in Molecular Biology</i> , 2021, 2192, 287-311.	0.9	17
12	Mutation in the MICOS subunit gene <i>APOO</i> (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.	3.2	28
13	Inflammation causes remodeling of mitochondrial cytochrome <i>c</i> oxidase mediated by the bifunctional gene <i>C15orf48</i> . <i>Science Advances</i> , 2021, 7, eabl5182.	10.3	29
14	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.	7.8	102
15	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.	1.0	46
16	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.	1.1	6
17	A homozygous MRPL24 mutation causes a complex movement disorder and affects the mitoribosome assembly. <i>Neurobiology of Disease</i> , 2020, 141, 104880.	4.4	29
18	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.	12.8	23

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19	Knockdown of APOPT1/COA8 Causes Cytochrome c Oxidase Deficiency, Neuromuscular Impairment, and Reduced Resistance to Oxidative Stress in <i>Drosophila melanogaster</i> . <i>Frontiers in Physiology</i> , 2019, 10, 1143.	2.8	19
20	Inhibition of proteasome rescues a pathogenic variant of respiratory chain assembly factor COA7. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	59
21	miR-181a/b downregulation exerts a protective action on mitochondrial disease models. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	58
22	APOPT 1/ COA 8 assists COX assembly and is oppositely regulated by UPS and ROS. <i>EMBO Molecular Medicine</i> , 2019, 11, .	6.9	19
23	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.	7.7	89
24	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.	3.8	24
25	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.	1.4	16
26	Mitochondrial complex III Rieske Fe-S protein processing and assembly. <i>Cell Cycle</i> , 2018, 17, 681-687.	2.6	70
27	Assembly of mammalian oxidative phosphorylation complexes I-V and supercomplexes. <i>Essays in Biochemistry</i> , 2018, 62, 255-270.	4.7	191
28	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.	3.8	12
29	MR-1S Interacts with PET100 and PET117 in Module-Based Assembly of Human Cytochrome c Oxidase. <i>Cell Reports</i> , 2017, 18, 1727-1738.	6.4	86
30	TTC19 Plays a Husbandry Role on UQCRCF1 Turnover in the Biogenesis of Mitochondrial Respiratory Complex III. <i>Molecular Cell</i> , 2017, 67, 96-105.e4.	9.7	64
31	COA7 (C1orf163/RESA1) mutations associated with mitochondrial leukoencephalopathy and cytochrome c oxidase deficiency. <i>Journal of Medical Genetics</i> , 2016, 53, 846-849.	3.2	40
32	Exome sequencing coupled with mRNA analysis identifies NDUF6 as a Leigh gene. <i>Molecular Genetics and Metabolism</i> , 2016, 119, 214-222.	1.1	21
33	COX7A2L Is a Mitochondrial Complex III Binding Protein that Stabilizes the III ₂ +IV Supercomplex without Affecting Respirasome Formation. <i>Cell Reports</i> , 2016, 16, 2387-2398.	6.4	93
34	Defective PITRM1 mitochondrial peptidase is associated with A β 2 amyloidotic neurodegeneration. <i>EMBO Molecular Medicine</i> , 2016, 8, 176-190.	6.9	60
35	Nuclear gene mutations as the cause of mitochondrial complex III deficiency. <i>Frontiers in Genetics</i> , 2015, 6, 134.	2.3	116
36	Mutations in NDUF11, 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, 640-650.	6.2	56

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37	Mutations in APOPT1, Encoding a Mitochondrial Protein, Cause Cavitating Leukoencephalopathy with Cytochrome c Oxidase Deficiency. <i>American Journal of Human Genetics</i> , 2014, 95, 315-325.	6.2	64
38	Supercomplex Assembly Determines Electron Flux in the Mitochondrial Electron Transport Chain. <i>Science</i> , 2013, 340, 1567-1570.	12.6	687
39	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, 285-293.	1.0	71
40	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, 2117-2133.	7.8	230
41	Partial tandem duplication of mtDNAâ€™tRNAPhe impairs mtDNA translation in late-onset mitochondrial myopathy. <i>Neuromuscular Disorders</i> , 2012, 22, 50-55.	0.6	2
42	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, 2563-2575.	2.4	14
43	Tissue-specific differences in mitochondrial activity and biogenesis. <i>Mitochondrion</i> , 2011, 11, 207-213.	3.4	139
44	Five Entry Points of the Mitochondrially Encoded Subunits in Mammalian Complex I Assembly. <i>Molecular and Cellular Biology</i> , 2010, 30, 3038-3047.	2.3	68
45	Isolation of mitochondria for biogenetical studies: An update. <i>Mitochondrion</i> , 2010, 10, 253-262.	3.4	158
46	Early-onset liver mtDNA depletion and late-onset proteinuric nephropathy in Mpv17 knockout mice. <i>Human Molecular Genetics</i> , 2009, 18, 12-26.	2.9	87
47	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, 200-211.	4.1	182
48	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, bcr0520091889-bcr0520091889.	0.5	10
49	How Do Human Cells React to the Absence of Mitochondrial DNA?. <i>PLoS ONE</i> , 2009, 4, e5713.	2.5	31
50	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.	1.7	39
51	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, 1281-1289.	6.2	165
52	FASTKD2 Nonsense Mutation in an Infantile Mitochondrial Encephalomyopathy Associated with Cytochrome C Oxidase Deficiency. <i>American Journal of Human Genetics</i> , 2008, 83, 415-423.	6.2	107
53	Impaired complex III assembly associated with BCS1L gene mutations in isolated mitochondrial encephalopathy. <i>Human Molecular Genetics</i> , 2007, 16, 1241-1252.	2.9	158
54	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.	6.2	172

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55	In Vivo and In Organello Analyses of Mitochondrial Translation. <i>Methods in Cell Biology</i> , 2007, 80, 571-588.	1.1	45
56	Isolation of Mitochondria from Mammalian Tissues and Cultured Cells. , 2006, , 69-77.		10
57	MPV17 encodes an inner mitochondrial membrane protein and is mutated in infantile hepatic mitochondrial DNA depletion. <i>Nature Genetics</i> , 2006, 38, 570-575.	21.4	380
58	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> , 2006, 44, 173-180.	3.2	128
59	Redox activation of mitochondrial intermembrane space Cu,Zn-superoxide dismutase. <i>Biochemical Journal</i> , 2005, 387, 203-209.	3.7	56
60	In vitro transcription termination activity of the Drosophila mitochondrial DNA-binding protein DmTTF. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 357-362.	2.1	21
61	Isolation of biogenetically competent mitochondria from mammalian tissues and cultured cells. <i>Methods</i> , 2002, 26, 292-297.	3.8	142
62	Biogenesis of NDUFS3-Less Complex I Indicates TMEM126A/OPA7 as an Assembly Factor of the ND4-Module. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
63	CG7630 is the <i>Drosophila melanogaster</i> homolog of the cytochrome <i>c</i> oxidase subunit COX7B. <i>EMBO Reports</i> , 0, , .	4.5	7