

Arnaud Mourier

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

3,893
citations

159358

30
h-index

214527

47
g-index

61
all docs

61
docs citations

61
times ranked

7199
citing authors

#	ARTICLE	IF	CITATIONS
1	MDH2 produced OAA is a metabolic switch rewiring the fuelling of respiratory chain and TCA cycle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148532.	0.5	13
2	NADH-independent enzymatic assay to quantify extracellular and intracellular L-lactate levels. <i>STAR Protocols</i> , 2022, 3, 101403.	0.5	1
3	Clinical Presentation, Genetic Etiology, and Coenzyme Q10 Levels in 55 Children with Combined Enzyme Deficiencies of the Mitochondrial Respiratory Chain. <i>Journal of Pediatrics</i> , 2021, 228, 240-251.e2.	0.9	6
4	Blocking Aerobic Glycolysis by Targeting Pyruvate Dehydrogenase Kinase in Combination with EGFR TKI and Ionizing Radiation Increases Therapeutic Effect in Non-Small Cell Lung Cancer Cells. <i>Cancers</i> , 2021, 13, 941.	1.7	20
5	Glycerol suppresses glucose consumption in trypanosomes through metabolic contest. <i>PLoS Biology</i> , 2021, 19, e3001359.	2.6	7
6	Implication of folate deficiency in CYP2U1 loss of function. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	13
7	Cardiolipin content controls mitochondrial coupling and energetic efficiency in muscle. <i>Science Advances</i> , 2021, 7, .	4.7	23
8	Mitochondrial fusion is required for regulation of mitochondrial DNA replication. <i>PLoS Genetics</i> , 2019, 15, e1008085.	1.5	116
9	Mitochondria: Ultrastructure, Dynamics, Biogenesis and Main Functions. , 2019, , 3-32.		2
10	A novel histochemistry assay to assess and quantify focal cytochrome <i>c</i> oxidase deficiency. <i>Journal of Pathology</i> , 2018, 245, 311-323.	2.1	17
11	Human COX7A2L Regulates Complex III Biogenesis and Promotes Supercomplex Organization Remodeling without Affecting Mitochondrial Bioenergetics. <i>Cell Reports</i> , 2018, 25, 1786-1799.e4.	2.9	55
12	Glycerol supports growth of the <i>Trypanosoma brucei</i> bloodstream forms in the absence of glucose: Analysis of metabolic adaptations on glycerol-rich conditions. <i>PLoS Pathogens</i> , 2018, 14, e1007412.	2.1	32
13	Dietary methionine deficiency affects oxidative status, mitochondrial integrity and mitophagy in the liver of rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Scientific Reports</i> , 2018, 8, 10151.	1.6	25
14	Base-excision repair deficiency alone or combined with increased oxidative stress does not increase mtDNA point mutations in mice. <i>Nucleic Acids Research</i> , 2018, 46, 6642-6669.	6.5	58
15	CLUH regulates mitochondrial metabolism by controlling translation and decay of target mRNAs. <i>Journal of Cell Biology</i> , 2017, 216, 675-693.	2.3	73
16	Changes of mitochondrial ultrastructure and function during ageing in mice and <i>Drosophila</i> . <i>ELife</i> , 2017, 6, .	2.8	108
17	Transcriptomic and proteomic landscape of mitochondrial dysfunction reveals secondary coenzyme Q deficiency in mammals. <i>ELife</i> , 2017, 6, .	2.8	169
18	Bioenergetic roles of mitochondrial fusion. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1277-1283.	0.5	55

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19	A Phenotype-Driven Approach to Generate Mouse Models with Pathogenic mtDNA Mutations Causing Mitochondrial Disease. <i>Cell Reports</i> , 2016, 16, 2980-2990.	2.9	102
20	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. <i>Cell Reports</i> , 2016, 16, 1874-1890.	2.9	116
21	COX7A2L Is a Mitochondrial Complex III Binding Protein that Stabilizes the III2+IV Supercomplex without Affecting Respirasome Formation. <i>Cell Reports</i> , 2016, 16, 2387-2398.	2.9	93
22	POLRMT regulates the switch between replication primer formation and gene expression of mammalian mtDNA. <i>Science Advances</i> , 2016, 2, e1600963.	4.7	91
23	Mitochondrial Dynamics and Neurodegeneration. , 2016, , 175-191.		2
24	SLIRP Regulates the Rate of Mitochondrial Protein Synthesis and Protects LRPPRC from Degradation. <i>PLoS Genetics</i> , 2015, 11, e1005423.	1.5	80
25	Mitofusin 2 is required to maintain mitochondrial coenzyme Q levels. <i>Journal of Cell Biology</i> , 2015, 208, 429-442.	2.3	180
26	Rescue of primary ubiquinone deficiency due to a novel <i>COQ7</i> defect using 2,4-dihydroxybenzoic acid. <i>Journal of Medical Genetics</i> , 2015, 52, 779-783.	1.5	94
27	Intra-mitochondrial Methylation Deficiency Due to Mutations in SLC25A26. <i>American Journal of Human Genetics</i> , 2015, 97, 761-768.	2.6	58
28	MICOS coordinates with respiratory complexes and lipids to establish mitochondrial inner membrane architecture. <i>ELife</i> , 2015, 4, .	2.8	212
29	Loss of UCP2 Attenuates Mitochondrial Dysfunction without Altering ROS Production and Uncoupling Activity. <i>PLoS Genetics</i> , 2014, 10, e1004385.	1.5	63
30	Loss of LRPPRC causes ATP synthase deficiency. <i>Human Molecular Genetics</i> , 2014, 23, 2580-2592.	1.4	91
31	The Respiratory Chain Supercomplex Organization Is Independent of COX7a2l Isoforms. <i>Cell Metabolism</i> , 2014, 20, 1069-1075.	7.2	90
32	<i>Drosophila melanogaster</i> LRPPRC2 is involved in coordination of mitochondrial translation. <i>Nucleic Acids Research</i> , 2014, 42, 13920-13938.	6.5	29
33	POLRMT does not transcribe nuclear genes. <i>Nature</i> , 2014, 514, E7-E11.	13.7	35
34	Obesity-Induced CerS6-Dependent C16:0 Ceramide Production Promotes Weight Gain and Glucose Intolerance. <i>Cell Metabolism</i> , 2014, 20, 678-686.	7.2	520
35	Adipose tissue mitochondrial dysfunction triggers a lipodystrophic syndrome with insulin resistance, hepatosteatosis, and cardiovascular complications. <i>FASEB Journal</i> , 2014, 28, 4408-4419.	0.2	136
36	Germline mitochondrial DNA mutations aggravate ageing and can impair brain development. <i>Nature</i> , 2013, 501, 412-415.	13.7	231

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37	MTERF1 Binds mtDNA to Prevent Transcriptional Interference at the Light-Strand Promoter but Is Dispensable for rRNA Gene Transcription Regulation. <i>Cell Metabolism</i> , 2013, 17, 618-626.	7.2	93
38	MTERF3 Regulates Mitochondrial Ribosome Biogenesis in Invertebrates and Mammals. <i>PLoS Genetics</i> , 2013, 9, e1003178.	1.5	85
39	Succinate Dehydrogenase Upregulation Destabilize Complex I and Limits the Lifespan of gas-1 Mutant. <i>PLoS ONE</i> , 2013, 8, e59493.	1.1	31
40	Variation in germline mtDNA heteroplasmy is determined prenatally but modified during subsequent transmission. <i>Nature Genetics</i> , 2012, 44, 1282-1285.	9.4	128
41	Adipose-Specific Deletion of TFAM Increases Mitochondrial Oxidation and Protects Mice against Obesity and Insulin Resistance. <i>Cell Metabolism</i> , 2012, 16, 765-776.	7.2	206
42	Mitofusin 2 is necessary for striatal axonal projections of midbrain dopamine neurons. <i>Human Molecular Genetics</i> , 2012, 21, 4827-4835.	1.4	149
43	The Bicoid Stability Factor Controls Polyadenylation and Expression of Specific Mitochondrial mRNAs in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2011, 7, e1002324.	1.5	55
44	Tracing the Trail of Protons through Complex I of the Mitochondrial Respiratory Chain. <i>PLoS Biology</i> , 2011, 9, e1001129.	2.6	19
45	A Tissue-Specific Approach to the Analysis of Metabolic Changes in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2011, 6, e28417.	1.1	15
46	Active proton leak in mitochondria: A new way to regulate substrate oxidation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 255-261.	0.5	23
47	Electron competition process in respiratory chain: Regulatory mechanisms and physiological functions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 671-677.	0.5	17
48	Electron competition process in respiratory chain: Regulatory mechanisms and physiological functions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 137-138.	0.5	1
49	S13. 10 Relationship between the supramolecular organization of the respiratory chain and electrons competition. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S90-S91.	0.5	0
50	Kinetic activation of yeast mitochondrial d-lactate dehydrogenase by carboxylic acids. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1283-1288.	0.5	11
51	Mitochondrial adaptations to steatohepatitis induced by a methionine- and choline-deficient diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E110-E119.	1.8	39
52	Organization and Regulation of Mitochondrial Oxidative Phosphorylation. , 0, , 29-58.		0