Arnaud Mourier

List of Publications by Year
in descending order

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	Obesity-Induced CerS6-Dependent C16:0 Ceramide Production Promotes Weight Gain and Glucose Intolerance. Cell Metabolism, 2014, 20, 678-686.	7.2	520
2	Germline mitochondrial DNA mutations aggravate ageing and can impair brain development. Nature, 2013, 501, 412-415.	13.7	231
3	MICOS coordinates with respiratory complexes and lipids to establish mitochondrial inner membrane architecture. ELife, 2015, 4, .	2.8	212
4	Adipose-Specific Deletion of TFAM Increases Mitochondrial Oxidation and Protects Mice against Obesity and Insulin Resistance. Cell Metabolism, 2012, 16, 765-776.	7.2	206
5	Mitofusin 2 is required to maintain mitochondrial coenzyme Q levels. Journal of Cell Biology, 2015, 208, 429-442.	2.3	180
6	Transcriptomic and proteomic landscape of mitochondrial dysfunction reveals secondary coenzyme Q deficiency in mammals. ELife, 2017, 6, .	2.8	169
7	Mitofusin 2 is necessary for striatal axonal projections of midbrain dopamine neurons. Human Molecular Genetics, 2012, 21, 4827-4835.	1.4	149
8	Adipose tissue mitochondrial dysfunction triggers a lipodystrophic syndrome with insulin resistance, hepatosteatosis, and cardiovascular complications. FASEB Journal, 2014, 28, 4408-4419.	0.2	136
9	Variation in germline mtDNA heteroplasmy is determined prenatally but modified during subsequent transmission. Nature Genetics, 2012, 44, 1282-1285.	9.4	128
10	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. Cell Reports, 2016, 16, 1874-1890.	2.9	116
11	Mitochondrial fusion is required for regulation of mitochondrial DNA replication. PLoS Genetics, 2019, 15, e1008085.	1.5	116
12	Changes of mitochondrial ultrastructure and function during ageing in mice and Drosophila. ELife, 2017, 6, .	2.8	108
13	A Phenotype-Driven Approach to Generate Mouse Models with Pathogenic mtDNA Mutations Causing Mitochondrial Disease. Cell Reports, 2016, 16, 2980-2990.	2.9	102
14	Rescue of primary ubiquinone deficiency due to a novelCOQ7defect using 2,4â€“dihydroxybensoic acid. Journal of Medical Genetics, 2015, 52, 779-783.	1.5	94
15	MTERF1 Binds mtDNA to Prevent Transcriptional Interference at the Light-Strand Promoter but Is Dispensable for rRNA Gene Transcription Regulation. Cell Metabolism, 2013, 17, 618-626.	7.2	93
16	COX7A2L Is a Mitochondrial Complex III Binding Protein that Stabilizes the III2+IV Supercomplex without Affecting Respirasome Formation. Cell Reports, 2016, 16, 2387-2398.	2.9	93
17	Loss of LRPPRC causes ATP synthase deficiency. Human Molecular Genetics, 2014, 23, 2580-2592.	1.4	91
18	POLRMT regulates the switch between replication primer formation and gene expression of mammalian mtDNA. Science Advances, 2016, 2, e1600963.	4.7	91

#	Article	IF	Citations
19	The Respiratory Chain Supercomplex Organization Is Independent of COX7a2l Isoforms. Cell Metabolism, 2014, 20, 1069-1075.	7.2	90
20	MTERF3 Regulates Mitochondrial Ribosome Biogenesis in Invertebrates and Mammals. PLoS Genetics, 2013, 9, e1003178.	1.5	85
21	SLIRP Regulates the Rate of Mitochondrial Protein Synthesis and Protects LRPPRC from Degradation. PLoS Genetics, 2015, 11, e1005423.	1.5	80
22	CLUH regulates mitochondrial metabolism by controlling translation and decay of target mRNAs. Journal of Cell Biology, 2017, 216, 675-693.	2.3	73
23	Loss of UCP2 Attenuates Mitochondrial Dysfunction without Altering ROS Production and Uncoupling Activity. PLoS Genetics, 2014, 10, e1004385.	1.5	63
24	Intra-mitochondrial Methylation Deficiency Due to Mutations in SLC25A26. American Journal of Human Genetics, 2015, 97, 761-768.	2.6	58
25	Base-excision repair deficiency alone or combined with increased oxidative stress does not increase mtDNA point mutations in mice. Nucleic Acids Research, 2018, 46, 6642-6669.	6.5	58
26	The Bicoid Stability Factor Controls Polyadenylation and Expression of Specific Mitochondrial mRNAs in Drosophila melanogaster. PLoS Genetics, 2011, 7, e1002324.	1.5	55
27	Bioenergetic roles of mitochondrial fusion. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1277-1283.	0.5	55
28	Human COX7A2L Regulates Complex III Biogenesis and Promotes Supercomplex Organization Remodeling without Affecting Mitochondrial Bioenergetics. Cell Reports, 2018, 25, 1786-1799.e4.	2.9	55
29	Mitochondrial adaptations to steatohepatitis induced by a methionine- and choline-deficient diet. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E110-E119.	1.8	39
30	POLRMT does not transcribe nuclear genes. Nature, 2014, 514, E7-E11.	13.7	35
31	Glycerol supports growth of the Trypanosoma brucei bloodstream forms in the absence of glucose: Analysis of metabolic adaptations on glycerol-rich conditions. PLoS Pathogens, 2018, 14, e1007412.	2.1	32
32	Succinate Dehydrogenase Upregulation Destabilize Complex I and Limits the Lifespan of gas-1 Mutant. PLoS ONE, 2013, 8, e59493.	1.1	31
33	Drosophila melanogaster LRPPRC2 is involved in coordination of mitochondrial translation. Nucleic Acids Research, 2014, 42, 13920-13938.	6.5	29
34	Dietary methionine deficiency affects oxidative status, mitochondrial integrity and mitophagy in the liver of rainbow trout (Oncorhynchus mykiss). Scientific Reports, 2018, 8, 10151.	1.6	25
35	Active proton leak in mitochondria: A new way to regulate substrate oxidation. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 255-261.	0.5	23
36	Cardiolipin content controls mitochondrial coupling and energetic efficiency in muscle. Science Advances, 2021, 7, .	4.7	23

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37	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. Cancers, 2021, 13, 941.	1.7	20
38	Tracing the Trail of Protons through Complex I of the Mitochondrial Respiratory Chain. PLoS Biology, 2011, 9, e1001129.	2.6	19
39	Electron competition process in respiratory chain: Regulatory mechanisms and physiological functions. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 671-677.	0.5	17
40	A novel histochemistry assay to assess and quantify focal cytochrome c oxidase deficiency. Journal of Pathology, 2018, 245, 311-323.	2.1	17
41	A Tissue-Specific Approach to the Analysis of Metabolic Changes in Caenorhabditis elegans. PLoS ONE, 2011, 6, e28417.	1.1	15
42	Implication of folate deficiency in CYP2U1 loss of function. Journal of Experimental Medicine, 2021, 218, .	4.2	13
43	MDH2 produced OAA is a metabolic switch rewiring the fuelling of respiratory chain and TCA cycle. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148532.	0.5	13
44	Kinetic activation of yeast mitochondrial d-lactate dehydrogenase by carboxylic acids. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1283-1288.	0.5	11
45	Glycerol suppresses glucose consumption in trypanosomes through metabolic contest. PLoS Biology, 2021, 19, e3001359.	2.6	7
46	Clinical Presentation, Genetic Etiology, and Coenzyme Q10 Levels in 55 Children with Combined Enzyme Deficiencies of the Mitochondrial Respiratory Chain. Journal of Pediatrics, 2021, 228, 240-251.e2.	0.9	6
47	Mitochondrial Dynamics and Neurodegeneration. , 2016, , 175-191.		2
48	Mitochondria: Ultrastructure, Dynamics, Biogenesis and Main Functions. , 2019, , 3-32.		2
49	Electron competition process in respiratory chain: Regulatory mechanisms and physiological functions. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 137-138.	0.5	1
50	NADH-independent enzymatic assay to quantify extracellular and intracellular L-lactate levels. STAR Protocols, 2022, 3, 101403.	0.5	1
51	Organization and Regulation of Mitochondrial Oxidative Phosphorylation. , 0, , 29-58.		0
52	S13. 10 Relationship between the supramolecular organization of the respiratory chain and electrons competition. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S90-S91.	0.5	0