

# Naig Gueguen

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

993  
citations

471061

17  
h-index

454577

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hereditary optic neuropathies share a common mitochondrial coupling defect. <i>Annals of Neurology</i> , 2008, 63, 794-798.	2.8	112
2	Loss-of-Function Mutations in <i>WDR73</i> Are Responsible for Microcephaly and Steroid-Resistant Nephrotic Syndrome: Galloway-Mowat Syndrome. <i>American Journal of Human Genetics</i> , 2014, 95, 637-648.	2.6	108
3	A Mitochondria-Specific Isoform of <i>FASTK</i> Is Present In Mitochondrial RNA Granules and Regulates Gene Expression and Function. <i>Cell Reports</i> , 2015, 10, 1110-1121.	2.9	77
4	Resveratrol Directly Binds to Mitochondrial Complex I and Increases Oxidative Stress in Brain Mitochondria of Aged Mice. <i>PLoS ONE</i> , 2015, 10, e0144290.	1.1	70
5	Recessive Mutations in <i>RTN4IP1</i> Cause Isolated and Syndromic Optic Neuropathies. <i>American Journal of Human Genetics</i> , 2015, 97, 754-760.	2.6	54
6	Idebenone increases mitochondrial complex I activity in fibroblasts from LHON patients while producing contradictory effects on respiration. <i>BMC Research Notes</i> , 2011, 4, 557.	0.6	50
7	The metabolomic signature of Leber's hereditary optic neuropathy reveals endoplasmic reticulum stress. <i>Brain</i> , 2016, 139, 2864-2876.	3.7	45
8	<i>OPA1</i> -related disorders: Diversity of clinical expression, modes of inheritance and pathophysiology. <i>Neurobiology of Disease</i> , 2016, 90, 20-26.	2.1	45
9	The addition of ketone bodies alleviates mitochondrial dysfunction by restoring complex I assembly in a MELAS cellular model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 284-291.	1.8	41
10	<i>CLUH</i> couples mitochondrial distribution to the energetic and metabolic status. <i>Journal of Cell Science</i> , 2017, 130, 1940-1951.	1.2	38
11	Mitochondrial energetic defects in muscle and brain of a <i>Hmbs</i> mouse model of acute intermittent porphyria. <i>Human Molecular Genetics</i> , 2015, 24, 5015-5023.	1.4	34
12	Autophagy controls the pathogenicity of <i>OPA1</i> mutations in dominant optic atrophy. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2284-2297.	1.6	30
13	Assembly defects induce oxidative stress in inherited mitochondrial complex I deficiency. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 65, 91-103.	1.2	29
14	Iron deficiency without anemia is responsible for decreased left ventricular function and reduced mitochondrial complex I activity in a mouse model. <i>International Journal of Cardiology</i> , 2018, 266, 206-212.	0.8	28
15	Pro-oxidant effect of ALA is implicated in mitochondrial dysfunction of HepG2 cells. <i>Biochimie</i> , 2014, 106, 157-166.	1.3	24
16	Optic neuropathy, cardiomyopathy, cognitive disability in patients with a homozygous mutation in the nuclear <i>MTO1</i> and a mitochondrial <i>MTAF</i> variant. <i>American Journal of Medical Genetics, Part A</i> , 2015, 167, 2366-2374.	0.7	22
17	Targeted Metabolomics Reveals Early Dominant Optic Atrophy Signature in Optic Nerves of <i>OPA1</i> Mice. , 2017, 58, 812.		22
18	Oxidative stress contributes differentially to the pathophysiology of Charcot-Marie-Tooth disease type 2K. <i>Experimental Neurology</i> , 2020, 323, 113069.	2.0	22

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19	Iron Deficiency without Anemia Decreases Physical Endurance and Mitochondrial Complex I Activity of Oxidative Skeletal Muscle in the Mouse. <i>Nutrients</i> , 2021, 13, 1056.	1.7	16
20	The accumulation of assembly intermediates of the mitochondrial complex I matrix arm is reduced by limiting glucose uptake in a neuronal-like model of MELAS syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1596-1608.	1.8	15
21	Warburg-like effect is a hallmark of complex I assembly defects. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2475-2489.	1.8	13
22	The Long Non-Coding RNA SAMMSON Is a Regulator of Chemosensitivity and Metabolic Orientation in MCF-7 Doxorubicin-Resistant Breast Cancer Cells. <i>Biology</i> , 2021, 10, 1156.	1.3	12
23	Variants in Mitochondrial <i>ATP</i> Synthase Cause Variable Neurologic Phenotypes. <i>Annals of Neurology</i> , 2022, 91, 225-237.	2.8	12
24	Doxorubicin-Induced Autophagolysosome Formation Is Partly Prevented by Mitochondrial ROS Elimination in DOX-Resistant Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9283.	1.8	11
25	Study of mitochondrial function in placental insufficiency. <i>Placenta</i> , 2018, 67, 1-7.	0.7	10
26	Clinical, neuroimaging and biochemical findings in patients and patient fibroblasts expressing ten novel <i>GFM1</i> mutations. <i>Human Mutation</i> , 2020, 41, 397-402.	1.1	10
27	Secondary coenzyme Q deficiency in neurological disorders. <i>Free Radical Biology and Medicine</i> , 2021, 165, 203-218.	1.3	10
28	Increased Protein S-Glutathionylation in Leber's Hereditary Optic Neuropathy (LHON). <i>International Journal of Molecular Sciences</i> , 2020, 21, 3027.	1.8	8
29	Novel <i>NDUFS4</i> gene mutation in an atypical late-onset mitochondrial form of multifocal dystonia. <i>Neurology: Genetics</i> , 2017, 3, e205.	0.9	7
30	Phostine 3.1a as a pharmacological compound with antiangiogenic properties against diseases with excess vascularization. <i>FASEB Journal</i> , 2019, 33, 5864-5875.	0.2	5
31	Mutations in MTHFR and POLG impaired activity of the mitochondrial respiratory chain in 46-year-old twins with spastic paraparesis. <i>Journal of Human Genetics</i> , 2020, 65, 91-98.	1.1	5
32	Glutamate-Induced Deregulation of Krebs Cycle in Mitochondrial Encephalopathy Lactic Acidosis Syndrome Stroke-Like Episodes (MELAS) Syndrome Is Alleviated by Ketone Body Exposure. <i>Biomedicines</i> , 2022, 10, 1665.	1.4	4
33	Optic neuropathy linked to ACAD9 pathogenic variants: A potentially riboflavin-responsive disorder?. <i>Mitochondrion</i> , 2021, 59, 169-174.	1.6	3
34	Next-Generation Sequencing Identifies Novel PMPCA Variants in Patients with Late-Onset Dominant Optic Atrophy. <i>Genes</i> , 2022, 13, 1202.	1.0	0