Anna Atlante

List of Publications by Year
in descending order

105 papers	3,642 citations	126907 33 h-index	149698 56 g-index
107 all docs	107 docs citations	107 times ranked	6325 citing authors

#	Article	IF	Citations
1	Mitochondrial Bioenergetics in Different Pathophysiological Conditions 2.0. International Journal of Molecular Sciences, 2022, 23, 5552.	4.1	1
2	Dysfunction of Mitochondria in Alzheimerâ€™s Disease: ANT and VDAC Interact with Toxic Proteins and Aid to Determine the Fate of Brain Cells. International Journal of Molecular Sciences, 2022, 23, 7722.	4.1	14
3	Cellular Redox State Acts as Switch to Determine the Direction of NNT-Catalyzed Reaction in Cystic Fibrosis Cells. International Journal of Molecular Sciences, 2021, 22, 967.	4.1	4
4	Systemic delivery of a specific antibody targeting the pathological N-terminal truncated tau peptide reduces retinal degeneration in a mouse model of Alzheimerâ€™s Disease. Acta Neuropathologica Communications, 2021, 9, 38.	5.2	16
5	A Walk in the Memory, from the First Functional Approach up to Its Regulatory Role of Mitochondrial Bioenergetic Flow in Health and Disease: Focus on the Adenine Nucleotide Translocator. International Journal of Molecular Sciences, 2021, 22, 4164.	4.1	14
6	Mitochondrial Bioenergetics in Different Pathophysiological Conditions. International Journal of Molecular Sciences, 2021, 22, 7562.	4.1	1
7	Mitochondria Can Cross Cell Boundaries: An Overview of the Biological Relevance, Pathophysiological Implications and Therapeutic Perspectives of Intercellular Mitochondrial Transfer. International Journal of Molecular Sciences, 2021, 22, 8312.	4.1	61
8	Role of Oxygen Radicals in Alzheimerâ€™s Disease: Focus on Tau Protein. Oxygen, 2021, 1, 96-120.	5.0	5
9	Tau Cleavage Contributes to Cognitive Dysfunction in Strepto-Zotocin-Induced Sporadic Alzheimerâ€™s Disease (sAD) Mouse Model. International Journal of Molecular Sciences, 2021, 22, 12158.	4.1	18
10	Functional Foods: An Approach to Modulate Molecular Mechanisms of Alzheimerâ€™s Disease. Cells, 2020, 9, 2347.	4.1	33
11	An Intriguing Involvement of Mitochondria in Cystic Fibrosis. Journal of Clinical Medicine, 2019, 8, 1890.	2.4	21
12	Synthesis and metabolism of methylglyoxal, S-D-lactoylglutathione and D-lactate in cancer and Alzheimerâ€™s disease. Exploring the crossroad of eternal youth and premature aging. Ageing Research Reviews, 2019, 53, 100915.	10.9	30
13	Modulation of glucose-related metabolic pathways controls glucose level in airway surface liquid and fight oxidative stress in cystic fibrosis cells. Journal of Bioenergetics and Biomembranes, 2019, 51, 203-218.	2.3	8
14	Including the mitochondrial metabolism of l-lactate in cancer metabolic reprogramming. Cellular and Molecular Life Sciences, 2018, 75, 2763-2776.	5.4	28
15	Aberrant GSH reductase and NOX activities concur with defective CFTR to pro-oxidative imbalance in cystic fibrosis airways. Journal of Bioenergetics and Biomembranes, 2018, 50, 117-129.	2.3	19
16	A disease with a sweet tooth: exploring the Warburg effect in Alzheimerâ€™s disease. Biogerontology, 2017, 18, 301-319.	3.9	56
17	AMPK is activated early in cerebellar granule cells undergoing apoptosis and influences VADC1 phosphorylation status and activity. Apoptosis: an International Journal on Programmed Cell Death, 2017, 22, 1069-1078.	4.9	7
18	Extracellular truncated tau causes early presynaptic dysfunction associated with Alzheimerâ€™s disease and other tauopathies. Oncotarget, 2017, 8, 64745-64778.	1.8	49

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19	Characterization of mitochondrial function in cells with impaired cystic fibrosis transmembrane conductance regulator (CFTR) function. Journal of Bioenergetics and Biomembranes, 2016, 48, 197-210.	2.3	38
20	Functional characterization of the oxidative capacity of mitochondria and glycolytic assessment in benthic aquatic organisms. Journal of Bioenergetics and Biomembranes, 2016, 48, 249-257.	2.3	1
21	Mitochondria and cystic fibrosis transmembrane conductance regulator dialogue: Some news. Journal of Rare Diseases Research & Treatment, 2016, 1, 23-29.	1.1	7
22	Assessment of nutritional and inflammatory status to determine the prevalence of malnutrition in patients undergoing surgery for colorectal carcinoma.. Journal of Clinical Oncology, 2016, 34, e15091-e15091.	1.6	2
23	Glucoseâ€6â€phosphate tips the balance in modulating apoptosis in cerebellar granule cells. FEBS Letters, 2015, 589, 651-658.	2.8	11
24	Glycolytic enzyme upregulation and numbness of mitochondrial activity characterize the early phase of apoptosis in cerebellar granule cells. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 10-28.	4.9	32
25	NH2-truncated human tau induces deregulated mitophagy in neurons by aberrant recruitment of Parkin and UCHL-1: implications in Alzheimer's disease. Human Molecular Genetics, 2015, 24, 3058-3081.	2.9	103
26	Tissue-specific mtDNA abundance from exome data and its correlation with mitochondrial transcription, mass and respiratory activity. Mitochondrion, 2015, 20, 13-21.	3.4	146
27	Morphological and bioenergetic demands underlying the mitophagy in post-mitotic neurons: the pinkâ€"parkin pathway. Frontiers in Aging Neuroscience, 2014, 6, 18.	3.4	62
28	P3-052: AN ALZHEIMER'S-LINKED TOXIC NH2-FRAGMENT OF HUMAN TAU AFFECTS THE PARKIN-DRIVEN MITOPHAGY IN PRIMARY HIPPOCAMPAL NEURONS. , 2014, 10, P647-P647.		0
29	AD-linked, toxic NH2 human tau affects the quality control of mitochondria in neurons. Neurobiology of Disease, 2014, 62, 489-507.	4.4	62
30	Thioredoxin/thioredoxin reductase system involvement in cerebellar granule cell apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 1497-1508.	4.9	12
31	Extracellular ADP prevents neuronal apoptosis via activation of cell antioxidant enzymes and protection of mitochondrial ANT-1. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1338-1349.	1.0	6
32	Mitochondrial respiratory chain Complexes I and IV are impaired by Î²-amyloid via direct interaction and through Complex I-dependent ROS production, respectively. Mitochondrion, 2013, 13, 298-311.	3.4	117
33	Dissecting the molecular mechanism by which NH2htau and AÎ²1-42 peptides impair mitochondrial ANT-1 in Alzheimer disease. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 848-860.	1.0	16
34	Interaction between NH2-tau fragment and AÎ² in Alzheimer's disease mitochondria contributes to the synaptic deterioration. Neurobiology of Aging, 2012, 33, 833.e1-833.e25.	3.1	78
35	The rate of ATP export in the extramitochondrial phase via the adenine nucleotide translocator changes in aging in mitochondria isolated from heart left ventricle of either normotensive or spontaneously hypertensive rats. Mechanisms of Ageing and Development, 2011, 132, 488-495.	4.6	10
36	Genistein and daidzein prevent low potassium-dependent apoptosis of cerebellar granule cells. Biochemical Pharmacology, 2010, 79, 758-767.	4.4	33

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37	<scp>l</scp>â€Lactate generates hydrogen peroxide in purified rat liver mitochondria due to the putative <scp>l</scp>â€lactate oxidase localized in the intermembrane space. FEBS Letters, 2010, 584, 2285-2290.	2.8	28
38	Alzheimer's Proteins, Oxidative Stress, and Mitochondrial Dysfunction Interplay in a Neuronal Model of Alzheimer's Disease. International Journal of Alzheimer's Disease, 2010, 2010, 1-11.	2.0	26
39	Pyruvate kinase in pig liver mitochondria. Archives of Biochemistry and Biophysics, 2010, 495, 42-48.	3.0	11
40	Cytochrome <i>c</i> is released from coupled mitochondria of yeast en route to acetic acidâ€induced programmed cell death and can work as an electron donor and a ROS scavenger. FEBS Letters, 2008, 582, 1519-1525.	2.8	55
41	Mitochondria and <scp>l</scp>â€lactate metabolism. FEBS Letters, 2008, 582, 3569-3576.	2.8	139
42	A peptide containing residues 26â€“44 of tau protein impairs mitochondrial oxidative phosphorylation acting at the level of the adenine nucleotide translocator. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 1289-1300.	1.0	72
43	Identification of a caspase-derived N-terminal tau fragment in cellular and animal Alzheimer's disease models. Molecular and Cellular Neurosciences, 2008, 38, 381-392.	2.2	59
44	Different sources of reactive oxygen species contribute to low potassium-induced apoptosis in cerebellar granule cells. International Journal of Molecular Medicine, 2008, , .	4.0	1
45	Different sources of reactive oxygen species contribute to low potassium-induced apoptosis in cerebellar granule cells. International Journal of Molecular Medicine, 2008, 21, 737-45.	4.0	13
46	Phosphoenolpyruvate metabolism in Jerusalem artichoke mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 281-294.	1.0	10
47	Transport and metabolism of l-lactate occur in mitochondria from cerebellar granule cells and are modified in cells undergoing low potassium dependent apoptosis. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1285-1299.	1.0	43
48	Teaching the role of mitochondrial transport in energy metabolism. Biochemistry and Molecular Biology Education, 2007, 35, 125-132.	1.2	5
49	Nitric oxide has dual opposite roles during early and late phases of apoptosis in cerebellar granule neurons. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1597-1610.	4.9	25
50	Mitochondria from the left heart ventricles of both normotensive and spontaneously hypertensive rats oxidize externally added NADH mostly via a novel malate/oxaloacetate shuttle as reconstructed in vitro. International Journal of Molecular Medicine, 2006, 18, 177.	4.0	4
51	Caspase-dependent alteration of the ADP/ATP translocator triggers the mitochondrial permeability transition which is not required for the low-potassium-dependent apoptosis of cerebellar granule cells. Journal of Neurochemistry, 2006, 97, 1166-1181.	3.9	33
52	Mitochondria from the left heart ventricles of both normotensive and spontaneously hypertensive rats oxidize externally added NADH mostly via a novel malate/oxaloacetate shuttle as reconstructed in vitro. International Journal of Molecular Medicine, 2006, 18, 177-86.	4.0	7
53	Jerusalem artichoke mitochondria can export reducing equivalents in the form of malate as a result of d-lactate uptake and metabolism. Biochemical and Biophysical Research Communications, 2005, 335, 1224-1230.	2.1	10
54	An increase in the ATP levels occurs in cerebellar granule cells en route to apoptosis in which ATP derives from both oxidative phosphorylation and anaerobic glycolysis. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 50-62.	1.0	56

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55	Transport and metabolism of d-lactate in Jerusalem artichoke mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 13-22.	1.0	30
56	Mitochondrial impairment induces excitotoxic death in cerebellar granule cells. International Journal of Molecular Medicine, 2004, 13, 873.	4.0	2
57	Partial reconstruction of in vitro gluconeogenesis arising from mitochondrial l-lactate uptake/metabolism and oxaloacetate export via novel l-lactate translocators. Biochemical Journal, 2004, 380, 231-242.	3.7	36
58	Mitochondrial impairment induces excitotoxic death in cerebellar granule cells. International Journal of Molecular Medicine, 2004, 13, 873-6.	4.0	6
59	Apoptosis and cytochrome c release in cerebellar granule cells. In Vivo, 2004, 18, 335-44.	1.3	14
60	The apoptosis/necrosis transition in cerebellar granule cells depends on the mutual relationship of the antioxidant and the proteolytic systems which regulate ROS production and cytochrome c release en route to death. Journal of Neurochemistry, 2003, 84, 960-971.	3.9	58
61	Cytochrome c, released from cerebellar granule cells undergoing apoptosis or excytotoxic death, can generate protonmotive force and drive ATP synthesis in isolated mitochondria. Journal of Neurochemistry, 2003, 86, 591-604.	3.9	48
62	The role of mitochondrial transport in energy metabolism. Mitochondrion, 2003, 2, 319-343.	3.4	80
63	d-Lactate transport and metabolism in rat liver mitochondria. Biochemical Journal, 2002, 365, 391-403.	3.7	68
64	l-Lactate transport into rat heart mitochondria and reconstruction of the l-lactate/pyruvate shuttle. Biochemical Journal, 2002, 364, 101-104.	3.7	43
65	Proteasome inhibitors prevent cytochrome c release during apoptosis but not in excitotoxic death of cerebellar granule neurons. FEBS Letters, 2002, 515, 8-12.	2.8	26
66	Inhibition of phosphate transport in rat heart mitochondria by 3â€²-azido-3â€²-deoxythymidine due to stimulation of superoxide anion mitochondrial production. Biochemical Pharmacology, 2002, 64, 201-206.	4.4	24
67	Glutamate Neurotoxicity in Rat Cerebellar Granule Cells Involves Cytochrome c Release from Mitochondria and Mitochondrial Shuttle Impairment. Journal of Neurochemistry, 2002, 73, 237-246.	3.9	51
68	Glutamate neurotoxicity, oxidative stress and mitochondria. FEBS Letters, 2001, 497, 1-5.	2.8	306
69	Cytochrome c Is Released from Mitochondria in a Reactive Oxygen Species (ROS)-dependent Fashion and Can Operate as a ROS Scavenger and as a Respiratory Substrate in Cerebellar Neurons Undergoing Excitotoxic Death. Journal of Biological Chemistry, 2000, 275, 37159-37166.	3.4	187
70	A sensitive method to assay the xanthine oxidase activity in primary cultures of cerebellar granule cells. Brain Research Protocols, 2000, 6, 1-5.	1.6	15
71	Detection of reactive oxygen species in primary cultures of cerebellar granule cells. Brain Research Protocols, 1999, 4, 266-270.	1.6	22
72	Early release and subsequent caspase-mediated degradation of cytochrome c in apoptotic cerebellar granule cells. FEBS Letters, 1999, 457, 126-130.	2.8	65

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73	Neuronal apoptosis in rats is accompanied by rapid impairment of cellular respiration and is prevented by scavengers of reactive oxygen species. Neuroscience Letters, 1998, 245, 127-130.	2.1	56
74	Fumarate Permeation in Normal and Acidotic Rat Kidney Mitochondria: Fumarate/Malate and Fumarate/Aspartate Translocators. Biochemical and Biophysical Research Communications, 1998, 243, 711-718.	2.1	12
75	AZT side effect on mitochondria does not depend on either inhibition of electron flow or mitochondrial uncoupling.. International Journal of Molecular Medicine, 1998, 1, 601-3.	4.0	3
76	ATP synthesis and export in heart left ventricle mitochondria from spontaneously hypertensive rat.. International Journal of Molecular Medicine, 1998, 1, 709-16.	4.0	32
77	Mitochondrial Energy Metabolism in the Left Ventricular Tissue of Spontaneously Hypertensive Rats: Abnormalities in both Adeninenucleotide and Phosphate Translocators and Enzyme Adenylate-Kinase and Creatine-Phosphokinase Activities. Clinical and Experimental Hypertension, 1998, 20, 345-358.	1.3	31
78	Glutamate stimulates 2-deoxyglucose uptake in rat cerebellar granule cells. Brain Research, 1997, 768, 57-62.	2.2	24
79	A novel property of adenine nucleotides: Sensitivity to helium-neon laser in mitochondrial reactions. IUBMB Life, 1997, 41, 449-460.	3.4	7
80	Glutamate Neurotoxicity in Rat Cerebellar Granule Cells: A Major Role for Xanthine Oxidase in Oxygen Radical Formation. Journal of Neurochemistry, 1997, 68, 2038-2045.	3.9	111
81	Carrier-mediated transport controls hydroxyproline catabolism in heart mitochondria from spontaneously hypertensive rat. FEBS Letters, 1996, 396, 279-284.	2.8	5
82	Rapid uncoupling of oxidative phosphorylation accompanies glutamate toxicity in rat cerebellar granule cells. NeuroReport, 1996, 7, 2519-2524.	1.2	48
83	GLUTAMATE CAUSES ENERGETIC METABOLISM ALTERATIONS AND FREE RADICAL FORMATION IN RAT CEREBELLAR GRANULE CELLS. Biochemical Society Transactions, 1996, 24, 529S-529S.	3.4	0
84	The Mechanism of Proline/Glutamate Antiport in Rat Kidney Mitochondria. Energy Dependence and Glutamate-Carrier Involvement. FEBS Journal, 1996, 241, 171-177.	0.2	16
85	New Aspects in Mitochondrial Transport and Metabolism of Metabolites and Vitamin Derivatives. Progress in Cell Research, 1995, , 89-93.	0.3	2
86	Proline Transport in Rat Kidney Mitochondria. Archives of Biochemistry and Biophysics, 1994, 309, 139-148.	3.0	16
87	Glutamine Transport in Normal and Acidotic Rat Kidney Mitochondria. Archives of Biochemistry and Biophysics, 1994, 315, 369-381.	3.0	27
88	Spectroscopic Study of Hydroxyproline Transport in Rat Kidney Mitochondria. Biochemical and Biophysical Research Communications, 1994, 202, 58-64.	2.1	12
89	Pyruvate/malate antiporter in rat liver mitochondria. Biochemical and Biophysical Research Communications, 1992, 182, 931-938.	2.1	6
90	EFFECTS OF RHODAMINE 123 IN THE DARK AND AFTER IRRADIATION ON MITOCHONDRIAL ENERGY METABOLISM. Photochemistry and Photobiology, 1992, 56, 471-478.	2.5	11

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91	Photosensitization of isolated mitochondria by hematoporphyrin derivative (Photofrin): effects on bioenergetics. Photochemistry and Photobiology, 1991, 53, 391-3.	2.5	21
92	Ornithine/phosphate antiport in rat kidney mitochondria. Some characteristics of the process. FEBS Journal, 1990, 193, 221-227.	0.2	23
93	Carrier thiols are targets of photofrin II photosensitization of isolated rat liver mitochondria. Journal of Photochemistry and Photobiology B: Biology, 1990, 7, 21-32.	3.8	21
94	Uptake of aspartate aminotransferase into mitochondria in vitro causes efflux of malate dehydrogenase and vice versa. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1022, 273-282.	2.6	15
95	Haematoporphyrin derivative (photofrin II) photosensitization of isolated mitochondria: Inhibition of ADP/ATP translocator. Journal of Photochemistry and Photobiology B: Biology, 1989, 4, 35-46.	3.8	46
96	Metabolite transport in rat kidney mitochondria: Ornithine/phosphate translocator. Biochemical and Biophysical Research Communications, 1989, 158, 870-879.	2.1	6
97	Increase in the adp/atp exchange in rat liver mitochondria irradiated in vitro by helium-neon laser. Biochemical and Biophysical Research Communications, 1988, 156, 978-986.	2.1	126
98	Photosensitivity of DNA Replication and Respiration to Haematoporphyrin Derivative (Photofrin II) in Mammalian CV-1 Cells. International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine, 1987, 52, 213-222.	1.0	14
99	Anion transport in rat brain mitochondria: Fumarate uptake via the dicarboxylate carrier. Neurochemical Research, 1987, 12, 255-264.	3.3	29
100	Hematoporphyrin derivative (Photofrin II) photosensitization of isolated mitochondria : Impairment of anion translocation. Biochemical and Biophysical Research Communications, 1986, 141, 584-590.	2.1	41
101	Fumarate permeation in rat liver mitochondria: Fumarate/malate and fumarate/phosphate translocators. Biochemical and Biophysical Research Communications, 1985, 132, 8-18.	2.1	18
102	Oxaloacetate permeation in rat kidney mitochondria: Pyruvate/oxaloacetate and malate/oxaloacetate translocators. Biochemical and Biophysical Research Communications, 1985, 129, 1-10.	2.1	20
103	The role of metal ions in the uptake of aspartate aminotransferase and malate dehydrogenase into isolated rat liver mitochondria in vitro. FEBS Letters, 1985, 189, 235-240.	2.8	5
104	Carrier mediated GABA translocation into rat brain mitochondria. Biochemical and Biophysical Research Communications, 1984, 121, 770-778.	2.1	18
105	Oxaloacetate uptake into rat brain mitochondria and reconstruction of the malate/oxaloacetate shuttle. Biochemical and Biophysical Research Communications, 1984, 119, 1039-1046.	2.1	19