Anibal Eugenio Vercesi

List of Publications by Year
in descending order

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257 papers	14,610 citations	20817 60 h-index	24982 109 g-index
258 all docs	258 docs citations	258 times ranked	13626 citing authors

#	Article	IF	Citations
1	Mitochondria and reactive oxygen species. Free Radical Biology and Medicine, 2009, 47, 333-343.	2.9	904
2	Mitochondrial permeability transition and oxidative stress. FEBS Letters, 2001, 495, 12-15.	2.8	722
3	Mitochondrial damage induced by conditions of oxidative stress. Free Radical Biology and Medicine, 1999, 26, 463-471.	2.9	720
4	Mitochondria as a Source of Reactive Oxygen and Nitrogen Species: From Molecular Mechanisms to Human Health. Antioxidants and Redox Signaling, 2013, 18, 2029-2074.	5.4	344
5	The Role of Reactive Oxygen Species in Mitochondrial Permeability Transition. Bioscience Reports, 1997, 17, 43-52.	2.4	276
6	Metformin Amplifies Chemotherapy-Induced AMPK Activation and Antitumoral Growth. Clinical Cancer Research, 2011, 17, 3993-4005.	7.0	258
7	Opening of the mitochondrial permeability transition pore by uncoupling or inorganic phosphate in the presence of Ca2+is dependent on mitochondrial-generated reactive oxygen species. FEBS Letters, 1996, 378, 150-152.	2.8	246
8	A spontaneous mutation in the nicotinamide nucleotide transhydrogenase gene of C57BL/6J mice results in mitochondrial redox abnormalities. Free Radical Biology and Medicine, 2013, 63, 446-456.	2.9	225
9	Permeabilization of the inner mitochondrial membrane by Ca2+ ions is stimulated by t-butyl hydroperoxide and mediated by reactive oxygen species generated by mitochondria. Free Radical Biology and Medicine, 1995, 18, 479-486.	2.9	218
10	Cytosolic-free calcium elevation in Trypanosoma cruzi is required for cell invasion.. Journal of Experimental Medicine, 1994, 180, 1535-1540.	8.5	213
11	Intracellular Ca2+ storage in acidocalcisomes of Trypanosoma cruzi. Biochemical Journal, 1995, 310, 1005-1012.	3.7	199
12	Ca(2+)-induced mitochondrial membrane permeabilization: role of coenzyme Q redox state. American Journal of Physiology - Cell Physiology, 1995, 269, C141-C147.	4.6	188
13	PLANT UNCOUPLING MITOCHONDRIAL PROTEINS. Annual Review of Plant Biology, 2006, 57, 383-404.	18.7	184
14	Fatty acid cycling mechanism and mitochondrial uncoupling proteins. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1365, 319-327.	1.0	177
15	Membrane protein thiol cross-linking associated with the permeabilization of the inner mitochondrial membrane by Ca2+ plus prooxidants.. Journal of Biological Chemistry, 1990, 265, 19955-19960.	3.4	175
16	Effect of Inorganic Phosphate Concentration on the Nature of Inner Mitochondrial Membrane Alterations Mediated by Ca2+ Ions. Journal of Biological Chemistry, 1996, 271, 2929-2934.	3.4	169
17	Ca2+/H+ exchange in acidic vacuoles of Trypanosoma brucei. Biochemical Journal, 1994, 304, 227-233.	3.7	164
18	The Thiol-specific Antioxidant Enzyme Prevents Mitochondrial Permeability Transition. Journal of Biological Chemistry, 1998, 273, 12766-12769.	3.4	163

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19	PUMPing plants. Nature, 1995, 375, 24-24.	27.8	161
20	Ca2+-Induced Increased Lipid Packing and Domain Formation in Submitochondrial Particles. A Possible Early Step in the Mechanism of Ca2+-Stimulated Generation of Reactive Oxygen Species by the Respiratory Chainâ€. Biochemistry, 1999, 38, 13279-13287.	2.5	156
21	Oxidative stress in Ca2+-induced membrane permeability transition in brain mitochondria. Journal of Neurochemistry, 2002, 79, 1237-1245.	3.9	156
22	Bcl-2 prevents mitochondrial permeability transition and cytochrome c release via maintenance of reduced pyridine nucleotides. Cell Death and Differentiation, 2000, 7, 903-910.	11.2	151
23	Activation of the potato plant uncoupling mitochondrial protein inhibits reactive oxygen species generation by the respiratory chain. FEBS Letters, 1998, 425, 213-216.	2.8	147
24	Damage to rat liver mitochondria promoted by Î´-aminolevulinic acid-generated reactive oxygen species: connections with acute intermittent porphyria and lead-poisoning. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1056, 57-63.	1.0	132
25	AtPUMP: anArabidopsisgene encoding a plant uncoupling mitochondrial protein. FEBS Letters, 1998, 429, 403-406.	2.8	128
26	The Participation of Reactive Oxygen Species and Protein Thiols in the Mechanism of Mitochondrial Inner Membrane Permeabilization by Calcium plus Prooxidants. Archives of Biochemistry and Biophysics, 1993, 307, 1-7.	3.0	126
27	The plant energy-dissipating mitochondrial systems: depicting the genomic structure and the expression profiles of the gene families of uncoupling protein and alternative oxidase in monocots and dicots. Journal of Experimental Botany, 2006, 57, 849-864.	4.8	119
28	Ca2+-Independent Permeabilization of the Inner Mitochondrial Membrane by Peroxynitrite Is Mediated by Membrane Protein Thiol Cross-Linking and Lipid Peroxidation. Archives of Biochemistry and Biophysics, 1997, 345, 243-250.	3.0	117
29	Essential regulation of cell bioenergetics in Trypanosoma brucei by the mitochondrial calcium uniporter. Nature Communications, 2013, 4, 2865.	12.8	111
30	Effect of organic synthetic food colours on mitochondrial respiration. Food Additives and Contaminants, 1996, 13, 5-11.	2.0	109
31	Ca2+ transport by digitonin-permeabilized Leishmania donovani. Effects of Ca2+, pentamidine and WR-6026 on mitochondrial membrane potential in situ. Biochemical Journal, 1992, 284, 463-467.	3.7	104
32	Respiration and Oxidative Phosphorylation in the Apicomplexan Parasite Toxoplasma gondii. Journal of Biological Chemistry, 1998, 273, 31040-31047.	3.4	102
33	Iron complexing activity of mangiferin, a naturally occurring glucosylxanthone, inhibits mitochondrial lipid peroxidation induced by Fe2+-citrate. European Journal of Pharmacology, 2005, 513, 47-55.	3.5	101
34	Ca2+ -induced oxidative stress in brain mitochondria treated with the respiratory chain inhibitor rotenone. FEBS Letters, 2003, 543, 179-183.	2.8	99
35	Safranine as a Fluorescent Probe for the Evaluation of Mitochondrial Membrane Potential in Isolated Organelles and Permeabilized Cells. Methods in Molecular Biology, 2012, 810, 103-117.	0.9	94
36	Mitochondrial calcium transport and the redox nature of the calcium-induced membrane permeability transition. Free Radical Biology and Medicine, 2018, 129, 1-24.	2.9	90

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37	Goa1p of Candida albicans Localizes to the Mitochondria during Stress and Is Required for Mitochondrial Function and Virulence. Eukaryotic Cell, 2009, 8, 1706-1720.	3.4	89
38	CRISPR/Cas9-mediated endogenous C-terminal Tagging of Trypanosoma cruzi Genes Reveals the Acidocalcisome Localization of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 2016, 291, 25505-25515.	3.4	87
39	Mitochondrial membrane protein thiol reactivity with N-ethylmaleimide or mersalyl is modified by Ca2+: correlation with mitochondrial permeability transition. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1318, 395-402.	1.0	85
40	Ca2+-Stimulated Mitochondrial Reactive Oxygen Species Generation and Permeability Transition Are Inhibited by Dibucaine or Mg2+. Archives of Biochemistry and Biophysics, 1998, 359, 77-81.	3.0	85
41	Oxidative stress in atherosclerosisâ€prone mouse is due to low antioxidant capacity of mitochondria. FASEB Journal, 2005, 19, 1-14.	0.5	85
42	Mitochondrial permeability transition in neuronal damage promoted by Ca2+ and respiratory chain complex II inhibition. Journal of Neurochemistry, 2004, 90, 1025-1035.	3.9	79
43	Different Roles of Mitochondrial Calcium Uniporter Complex Subunits in Growth and Infectivity of Trypanosoma cruzi. MBio, 2017, 8, .	4.1	78
44	Oxidative Damage of Mitochondria Induced by Fe(II)Citrate Is Potentiated by Ca2+ and Includes Lipid Peroxidation and Alterations in Membrane Proteins. Archives of Biochemistry and Biophysics, 1994, 308, 158-163.	3.0	75
45	Evidence for Anion-translocating Plant Uncoupling Mitochondrial Protein in Potato Mitochondria. Journal of Biological Chemistry, 1996, 271, 32743-32748.	3.4	75
46	Free fatty acids regulate the uncoupling protein and alternative oxidase activities in plant mitochondria. FEBS Letters, 1998, 433, 237-240.	2.8	75
47	Acute effect of fatty acids on metabolism and mitochondrial coupling in skeletal muscle. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 57-66.	1.0	75
48	Cyanide-Resistant, ATP-Synthesis-Sustained, and Uncoupling-Protein-Sustained Respiration during Postharvest Ripening of Tomato Fruit1. Plant Physiology, 1999, 119, 1323-1330.	4.8	74
49	Hypothalamic Actions of Tumor Necrosis Factor Î± Provide the Thermogenic Core for the Wastage Syndrome in Cachexia. Endocrinology, 2010, 151, 683-694.	2.8	73
50	Statins induce calcium-dependent mitochondrial permeability transition. Toxicology, 2006, 219, 124-132.	4.2	70
51	Sodium-proton exchange stimulates Ca2+ release from acidocalcisomes of Trypanosoma brucei. Biochemical Journal, 1996, 315, 265-270.	3.7	69
52	The irreversibility of inner mitochondrial membrane permeabilization by Ca2+ plus prooxidants is determined by the extent of membrane protein thiol cross-linking. Journal of Bioenergetics and Biomembranes, 1996, 28, 523-529.	2.3	69
53	Method for monitoring of mitochondrial cytochrome c release during cell death: Immunodetection of cytochrome c by flow cytometry after selective permeabilization of the plasma membrane. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 515-523.	1.5	67
54	Reconstituted Plant Uncoupling Mitochondrial Protein Allows for Proton Translocation via Fatty Acid Cycling Mechanism. Journal of Biological Chemistry, 1997, 272, 24272-24278.	3.4	66

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55	Mitochondrial Ca2+ transport, permeability transition and oxidative stress in cell death: implications in cardiotoxicity, neurodegeneration and dyslipidemias. Frontiers in Bioscience - Landmark, 2006, 11, 2554.	3.0	66
56	Calcium homeostasis in Trypanosoma cruzi amastigotes: presence of inositol phosphates and lack of an inositol 1,4,5-trisphosphate-sensitive calcium pool. Molecular and Biochemical Parasitology, 1992, 52, 251-261.	1.1	65
57	Inhibition of specific electron transport pathways leads to oxidative stress and decreased Candida albicans proliferation. Journal of Bioenergetics and Biomembranes, 2006, 38, 129-135.	2.3	65
58	Hydrogen sulfide inhibits oxidative stress in lungs from allergic mice in vivo. European Journal of Pharmacology, 2013, 698, 463-469.	3.5	64
59	Characteristics of Ca2+ transport by Trypanosoma cruzi mitochondria in situ. Archives of Biochemistry and Biophysics, 1989, 272, 122-129.	3.0	63
60	Energization-dependent Ca2+ accumulation in Trypanosoma brucei bloodstream and procyclic trypomastigotes mitochondria. Molecular and Biochemical Parasitology, 1992, 56, 251-257.	1.1	63
61	Overexpression of plant uncoupling mitochondrial protein in transgenic tobacco increases tolerance to oxidative stress. Journal of Bioenergetics and Biomembranes, 2003, 35, 203-209.	2.3	63
62	Mitochondrial calcium overload triggers complement-dependent superoxide-mediated programmed cell death inTrypanosoma cruzi. Biochemical Journal, 2009, 418, 595-604.	3.7	63
63	First evidence and characterization of an uncoupling protein in fungi kingdom: CpUCP ofCandida parapsilosis. FEBS Letters, 2000, 467, 145-149.	2.8	62
64	Oxidative damage of mitochondria induced by Fe(II)citrate or t-butyl hydroperoxide in the presence of Ca2+: Effect of coenzyme Q redox state. Free Radical Biology and Medicine, 1995, 18, 55-59.	2.9	61
65	Catalases and thioredoxin peroxidase protectSaccharomyces cerevisiaeagainst Ca2+-induced mitochondrial membrane permeabilization and cell death. FEBS Letters, 2000, 473, 177-182.	2.8	60
66	Mitochondrial effects of triarylmethane dyes. Journal of Bioenergetics and Biomembranes, 1999, 31, 581-590.	2.3	59
67	Linoleic Acid-induced Activity of Plant Uncoupling Mitochondrial Protein in Purified Tomato Fruit Mitochondria during Resting, Phosphorylating, and Progressively Uncoupled Respiration. Journal of Biological Chemistry, 1998, 273, 34882-34886.	3.4	58
68	The redox state of endogenous pyridine nucleotides can determine both the degree of mitochondrial oxidative stress and the solute selectivity of the permeability transition pore. FEBS Letters, 2000, 478, 29-33.	2.8	58
69	Cold-induced PGC-1Î± expression modulates muscle glucose uptake through an insulin receptor/Akt-independent, AMPK-dependent pathway. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E686-E695.	3.5	58
70	Embryo Mitochondrial DNA Depletion Is Reversed During Early Embryogenesis in Cattle1. Biology of Reproduction, 2010, 82, 76-85.	2.7	58
71	Retention of Ca2+ by rat liver and rat heart mitochondria: Effect of phosphate, Mg2+, and NAD(P) redox state. Archives of Biochemistry and Biophysics, 1980, 204, 141-147.	3.0	57
72	Possible participation of membrane thiol groups on the mechanism of NAD(P)+-stimulated Ca2+ efflux from mitochondria. Biochemical and Biophysical Research Communications, 1984, 119, 305-310.	2.1	57

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73	Oxidative damage to sarcoplasmic reticulum Ca2+-pump induced by Fe2+/H2O2/ascorbate is not mediated by lipid peroxidation or thiol oxidation and leads to protein fragmentation. Molecular and Cellular Biochemistry, 1996, 159, 105-114.	3.1	57
74	Mangiferin, a natural occurring glucosyl xanthone, increases susceptibility of rat liver mitochondria to calcium-induced permeability transition. Archives of Biochemistry and Biophysics, 2005, 439, 184-193.	3.0	57
75	Calcium-dependent mitochondrial oxidative damage promoted by 5-aminolevulinic acid. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1992, 1180, 201-206.	3.8	56
76	The Sterol Composition of Trypanosoma cruzi Changes After Growth in Different Culture Media and Results in Different Sensitivity to Digitonin-Permeabilization. Journal of Eukaryotic Microbiology, 2001, 48, 588-594.	1.7	56
77	Inhibition of fatty acid synthase in melanoma cells activates the intrinsic pathway of apoptosis. Laboratory Investigation, 2011, 91, 232-240.	3.7	56
78	3,5,3â€²-Triiodothyronine Induces Mitochondrial Permeability Transition Mediated by Reactive Oxygen Species and Membrane Protein Thiol Oxidation. Archives of Biochemistry and Biophysics, 1998, 354, 151-157.	3.0	55
79	Low temperature and aging-promoted expression of PUMP in potato tuber mitochondria. FEBS Letters, 1999, 457, 103-106.	2.8	55
80	Respiratory chain network in mitochondria ofCandida parapsilosis: ADP/O appraisal of the multiple electron pathways. FEBS Letters, 2001, 508, 231-235.	2.8	55
81	Ca2+ induces a cyclosporin A-insensitive permeability transition pore in isolated potato tuber mitochondria mediated by reactive oxygen species. Journal of Bioenergetics and Biomembranes, 2001, 33, 43-51.	2.3	55
82	Oxidative damage of mitochondria induced by 5-aminolevulinic acid: Role of Ca2+ and membrane protein thiols. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1188, 86-92.	1.0	54
83	Plant Uncoupling Mitochondrial Protein and Alternative Oxidase: Energy Metabolism and Stress. Bioscience Reports, 2005, 25, 271-286.	2.4	54
84	Dissociation of NAD(P)+-stimulated mitochondrial Ca2+ efflux from swelling and membrane damage. Archives of Biochemistry and Biophysics, 1984, 232, 86-91.	3.0	53
85	The participation of NADP, the transmembrane potential and the energy-linked NAD(P) transhydrogenase in the process of Ca2+ efflux from rat liver mitochondria. Archives of Biochemistry and Biophysics, 1987, 252, 171-178.	3.0	53
86	Toxicity of S-pentachlorobutadienyl-l-cysteine studied with isolated rat renal cortical mitochondria. Archives of Biochemistry and Biophysics, 1987, 258, 365-372.	3.0	53
87	Functional reconstitution of Arabidopsis thaliana plant uncoupling mitochondrial protein (At) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.8	53
88	Mangifera indica L. extract (VimangÂ®) and its main polyphenol mangiferin prevent mitochondrial oxidative stress in atherosclerosis-prone hypercholesterolemic mouse. Pharmacological Research, 2008, 57, 332-338.	7.1	53
89	Redox State of Endogenous Coenzyme Q Modulates the Inhibition of Linoleic Acid-Induced Uncoupling by Guanosine Triphosphate in Isolated Skeletal Muscle Mitochondria. Journal of Bioenergetics and Biomembranes, 2004, 36, 493-502.	2.3	52
90	Sterol Methenyl Transferase Inhibitors Alter the Ultrastructure and Function of the Leishmania amazonensis Mitochondrion Leading to Potent Growth Inhibition. Protist, 2007, 158, 447-456.	1.5	52

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91	Thapsigargin causes Ca2+ release and collapse of the membrane potential of Trypanosoma brucei mitochondria in situ and of isolated rat liver mitochondria. Journal of Biological Chemistry, 1993, 268, 8564-8.	3.4	52
92	Ca2+-dependent permeabilization of the inner mitochondrial membrane by 4,4â€²-diisothiocyanatostilbene-2,2â€²-disulfonic acid (DIDS). Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1188, 93-100.	1.0	51
93	Redox imbalance due to the loss of mitochondrial NAD(P)-transhydrogenase markedly aggravates high fat diet-induced fatty liver disease in mice. Free Radical Biology and Medicine, 2017, 113, 190-202.	2.9	51
94	Effect of thapsigargin on calcium homeostasis in Trypanosoma cruzi trypomastigotes and epimastigotes. Molecular and Biochemical Parasitology, 1993, 59, 305-313.	1.1	49
95	Trypanosoma brucei brucei: Biochemical characterization of ecto-nucleoside triphosphate diphosphohydrolase activities. Experimental Parasitology, 2007, 115, 315-323.	1.2	48
96	Regulation of intracellular calcium homeostasis in Trypanosoma cruzi. Effects of calmidazolium and trifluoperazine. Cell Calcium, 1991, 12, 361-369.	2.4	47
97	Characteristics of Fe(II)ATP complex-induced damage to the rat liver mitochondrial membrane. Molecular and Cellular Biochemistry, 1995, 145, 53-60.	3.1	46
98	Stimulation of potato tuber respiration by cold stress is associated with an increased capacity of both plant uncoupling mitochondrial protein (PUMP) and alternative oxidase. Journal of Bioenergetics and Biomembranes, 2003, 35, 211-220.	2.3	46
99	Protective effect of trifluoperazine on the mitochondrial damage induced by Ca2+ plus prooxidants. Biochemical Pharmacology, 1992, 44, 1795-1801.	4.4	45
100	Alternative Oxidase and Uncoupling Protein: Thermogenesis Versus Cell Energy Balance. Bioscience Reports, 2001, 21, 213-222.	2.4	45
101	Presence of a Na+/H+exchanger in acidocalcisomes ofLeishmania donovaniand their alkalization by anti-leishmanial drugs. FEBS Letters, 2000, 473, 203-206.	2.8	44
102	Ecto-Phosphatase Activities on the Cell Surface of the Amastigote Forms of Trypanosoma cruzi. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 977-984.	1.4	43
103	Trypanosoma brucei: Ecto-Phosphatase Activity Present on the Surface of Intact Procyclic Forms. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1997, 52, 351-358.	1.4	42
104	The participation of pyridine nucleotides redox state and reactive oxygen in the fatty acid-induced permeability transition in rat liver mitochondria. FEBS Letters, 1999, 464, 97-101.	2.8	42
105	Mangifera indica L. extract (Vimang) inhibits Fe2+-citrate-induced lipoperoxidation in isolated rat liver mitochondria. Pharmacological Research, 2005, 51, 427-435.	7.1	42
106	Calcium-sensitive pyruvate dehydrogenase phosphatase is required for energy metabolism, growth, differentiation, and infectivity of Trypanosoma cruzi. Journal of Biological Chemistry, 2018, 293, 17402-17417.	3.4	42
107	Mitochondrial DNA damage associated with lipid peroxidation of the mitochondrial membrane induced by Fe2+-citrate. Anais Da Academia Brasileira De Ciencias, 2006, 78, 505-514.	0.8	41
108	Plant uncoupling mitochondrial protein activity in mitochondria isolated from tomatoes at different stages of ripening. Journal of Bioenergetics and Biomembranes, 1999, 31, 527-533.	2.3	40

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109	Protection of rat skeletal muscle fibers by either L-carnitine or coenzyme Q10 against statins toxicity mediated by mitochondrial reactive oxygen generation. Frontiers in Physiology, 2013, 4, 103.	2.8	40
110	Ca2+-dependent NAD(P)+-induced alterations of rat liver and hepatoma mitochondrial membrane permeability. Biochemical and Biophysical Research Communications, 1988, 154, 934-941.	2.1	38
111	Effects of 4,4â€²-diisothyocyanatostilbene-2,2â€²-disulfonic acid on Trypanosoma cruzi proliferation and Ca2+ homeostasis. International Journal of Biochemistry and Cell Biology, 2000, 32, 519-527.	2.8	37
112	Dual mechanism of mangiferin protection against iron-induced damage to 2-deoxyribose and ascorbate oxidation. Pharmacological Research, 2006, 53, 253-260.	7.1	37
113	MICU1 and MICU2 Play an Essential Role in Mitochondrial Ca ²⁺ Uptake, Growth, and Infectivity of the Human Pathogen Trypanosoma cruzi. MBio, 2019, 10, .	4.1	37
114	Endogenous C-terminal Tagging by CRISPR/Cas9 in Trypanosoma cruzi. Bio-protocol, 2017, 7, .	0.4	37
115	Proton Re-uptake Partitioning between Uncoupling Protein and ATP Synthase during Benzohydroxamic Acid-resistant State 3 Respiration in Tomato Fruit Mitochondria. Journal of Biological Chemistry, 2000, 275, 13315-13320.	3.4	36
116	Simvastatin inducing PC3 prostate cancer cell necrosis mediated by calcineurin and mitochondrial dysfunction. Journal of Bioenergetics and Biomembranes, 2008, 40, 307-314.	2.3	36
117	Reactive oxygen species generation in peripheral blood monocytes and oxidized LDL are increased in hyperlipidemic patients. Clinical Biochemistry, 2009, 42, 1222-1227.	1.9	36
118	Respiration, oxidative phosphorylation, and uncoupling protein in Candida albicans. Brazilian Journal of Medical and Biological Research, 2004, 37, 1455-1461.	1.5	35
119	Hyperlipidemic Mice Present Enhanced Catabolism and Higher Mitochondrial ATP-Sensitive K+ Channel Activity. Gastroenterology, 2006, 131, 1228-1234.	1.3	35
120	Mitochondrial ATP-sensitive K+ channels as redox signals to liver mitochondria in response to hypertriglyceridemia. Free Radical Biology and Medicine, 2009, 47, 1432-1439.	2.9	35
121	A lectin from Bothrops leucurus snake venom raises cytosolic calcium levels and promotes B16-F10 melanoma necrotic cell death via mitochondrial permeability transition. Toxicon, 2014, 82, 97-103.	1.6	35
122	[25] Thiol enzymes protecting mitochondria against oxidative damage. Methods in Enzymology, 2002, 348, 260-270.	1.0	34
123	Overexpression of apolipoprotein CIII increases and CETP reverses diet-induced obesity in transgenic mice. International Journal of Obesity, 2007, 31, 1586-1595.	3.4	34
124	Fatty Acid Synthase Inhibitors Induce Apoptosis in Non-Tumorigenic Melan-A Cells Associated with Inhibition of Mitochondrial Respiration. PLoS ONE, 2014, 9, e101060.	2.5	34
125	Food restriction by intermittent fasting induces diabetes and obesity and aggravates spontaneous atherosclerosis development in hypercholesterolaemic mice. British Journal of Nutrition, 2014, 111, 979-986.	2.3	34
126	A Highly Active ATP-Insensitive K+Import Pathway in Plant Mitochondria. Journal of Bioenergetics and Biomembranes, 2004, 36, 195-202.	2.3	33

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127	Oxidative stress in hypercholesterolemic LDL (low-density lipoprotein) receptor knockout mice is associated with low content of mitochondrial NADP-linked substrates and is partially reversed by citrate replacement. Free Radical Biology and Medicine, 2008, 44, 444-451.	2.9	33
128	Vitamin E Supplementation Reduces Oxidative Stress in Beta Thalassaemia Intermedia. Acta Haematologica, 2008, 120, 225-231.	1.4	33
129	Protective effects of l-carnitine and piracetam against mitochondrial permeability transition and PC3 cell necrosis induced by simvastatin. European Journal of Pharmacology, 2013, 701, 82-86.	3.5	33
130	Liposome effect on the cytochrome c-catalyzed peroxidation of carbonyl substrates to triplet species. Free Radical Biology and Medicine, 1998, 25, 546-553.	2.9	32
131	Calcium mobilization by arachidonic acid in trypanosomatids. Molecular and Biochemical Parasitology, 2000, 105, 261-271.	1.1	32
132	Fe(III) Shifts the Mitochondria Permeability Transition-Eliciting Capacity of Mangiferin to Protection of Organelle. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 646-653.	2.5	32
133	Pravastatin Chronic Treatment Sensitizes Hypercholesterolemic Mice Muscle to Mitochondrial Permeability Transition: Protection by Creatine or Coenzyme Q10. Frontiers in Pharmacology, 2017, 8, 185.	3.5	32
134	Lignins isolated from Prickly pear cladodes of the species Opuntia fÃcus-indica (Linnaeus) Miller and Opuntia cochenillifera (Linnaeus) Miller induces mice splenocytes activation, proliferation and cytokines production. International Journal of Biological Macromolecules, 2019, 123, 1331-1339.	7.5	32
135	IP3 receptor-mediated Ca2+ release from acidocalcisomes regulates mitochondrial bioenergetics and prevents autophagy in Trypanosoma cruzi. Cell Calcium, 2020, 92, 102284.	2.4	32
136	Inhibition of Ca2+ release from Trypanosoma brucei acidocalcisomes by 3,5-dibutyl-4-hydroxytoluene: role of the Na+/H+ exchanger. Biochemical Journal, 1997, 328, 479-482.	3.7	30
137	UCP2 protects hypothalamic cells from TNFâ€Ì±â€induced damage. FEBS Letters, 2008, 582, 3103-3110.	2.8	30
138	Mechanism of Trypanosoma cruzi death induced by Cratylia mollis seed lectin. Journal of Bioenergetics and Biomembranes, 2010, 42, 69-78.	2.3	30
139	Nek5 interacts with mitochondrial proteins and interferes negatively in mitochondrial mediated cell death and respiration. Cellular Signalling, 2015, 27, 1168-1177.	3.6	30
140	t-Butylhydroperoxide-induced Ca2+ efflux from liver mitochondria in the presence of physiological concentrations of Mg2+ and ATP. Biochimica Et Biophysica Acta - Bioenergetics, 1986, 850, 41-48.	1.0	29
141	Ca2+ transport in digitonin-permeabilized trypanosomatids. Molecular and Biochemical Parasitology, 1990, 42, 119-124.	1.1	29
142	Calcium Transport by Corn Mitochondria. Plant Physiology, 1992, 98, 452-457.	4.8	29
143	Mitochondria generated nitric oxide protects against permeability transition via formation of membrane protein S-nitrosothiols. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1210-1216.	1.0	29
144	Mitochondrial energy metabolism and redox responses to hypertriglyceridemia. Journal of Bioenergetics and Biomembranes, 2011, 43, 19-23.	2.3	29

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145	Functional analysis and importance for host cell infection of the Ca2+-conducting subunits of the mitochondrial calcium uniporter ofTrypanosoma cruzi. Molecular Biology of the Cell, 2019, 30, 1676-1690.	2.1	29
146	The energy-conserving and energy-dissipating processes in mitochondria isolated from wild type and nonripening tomato fruits during development on the plant. Journal of Bioenergetics and Biomembranes, 2002, 34, 487-498.	2.3	27
147	CHEMILUMINESCENT DIPHENYLACETALDEHYDE OXIDATION BY MITOCHONDRIA IS PROMOTED BY CYTOCHROMES and LEADS TO OXIDATIVE INJURY OF THE ORGANELLE. Photochemistry and Photobiology, 1995, 62, 522-527.	2.5	25
148	Mangifera indica L. extract (VimangÂ®) inhibits 2-deoxyribose damage induced by Fe (III) plus ascorbate. Phytotherapy Research, 2006, 20, 120-124.	5.8	25
149	Mass spectrometry imaging: a new vision in differentiatingSchistosoma mansonistrains. Journal of Mass Spectrometry, 2014, 49, 86-92.	1.6	25
150	Mitochondrial bioenergetics and redox dysfunctions in hypercholesterolemia and atherosclerosis. Molecular Aspects of Medicine, 2020, 71, 100840.	6.4	25
151	Mitochondrial calcium transport in trypanosomes. Molecular and Biochemical Parasitology, 2014, 196, 108-116.	1.1	24
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