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	Segment fusion chip calorimetry: a new method for the investigation of fast reactions. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2253-2263.	3.6	4
2	Chip-calorimetric assessment of heat generation during Ca2+ uptake by digitonin-permeabilized Trypanosoma cruzi. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4611-4619.	3.6	3
3	Mitochondrial Ca²⁺ and Reactive Oxygen Species in Trypanosomatids. Antioxidants and Redox Signaling, 2022, 36, 969-983.	5.4	7
4	Mild Mitochondrial Uncoupling Decreases Experimental Atherosclerosis, A Proof of Concept. Journal of Atherosclerosis and Thrombosis, 2022, 29, 825-838.	2.0	10
5	Enhanced resistance to Ca2+-induced mitochondrial permeability transition in the long-lived red-footed tortoise Chelonoidis carbonaria. Journal of Experimental Biology, 2022, 225, .	1.7	1
6	Dichloroacetate reactivates pyruvate-supported peroxide removal by liver mitochondria and prevents NAFLD aggravation in NAD(P)+ transhydrogenase-null mice consuming a high-fat diet. European Journal of Pharmacology, 2022, 917, 174750.	3.5	3
7	In Vivo Pravastatin Treatment Reverses Hypercholesterolemia Induced Mitochondria-Associated Membranes Contact Sites, Foam Cell Formation, and Phagocytosis in Macrophages. Frontiers in Molecular Biosciences, 2022, 9, 839428.	3.5	3
8	Aggravation of hepatic lipidosis in red-footed tortoise Chelonoidis carbonaria with age is associated with alterations in liver mitochondria. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2022, 260, 110731.	1.6	0
9	Mitochondrial Pyruvate Carrier Subunits Are Essential for Pyruvate-Driven Respiration, Infectivity, and Intracellular Replication of Trypanosoma cruzi. MBio, 2021, 12, .	4.1	7
10	Trypanosoma cruzi Letm1 is involved in mitochondrial Ca ²⁺ transport, and is essential for replication, differentiation, and host cell invasion. FASEB Journal, 2021, 35, e21685.	0.5	6
11	Mitochondrial Ca2+ homeostasis in trypanosomes. International Review of Cell and Molecular Biology, 2021, 362, 261-289.	3.2	7
12	Leucine-Rich Diet Improved Muscle Function in Cachectic Walker 256 Tumour-Bearing Wistar Rats. Cells, 2021, 10, 3272.	4.1	7
13	Mitochondrial bioenergetics and redox dysfunctions in hypercholesterolemia and atherosclerosis. Molecular Aspects of Medicine, 2020, 71, 100840.	6.4	25
14	IP3 receptor-mediated Ca2+ release from acidocalcisomes regulates mitochondrial bioenergetics and prevents autophagy in Trypanosoma cruzi. Cell Calcium, 2020, 92, 102284.	2.4	32
15	Leucine-rich diet induces a shift in tumour metabolism from glycolytic towards oxidative phosphorylation, reducing glucose consumption and metastasis in Walker-256 tumour-bearing rats. Scientific Reports, 2019, 9, 15529.	3.3	21
16	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
17	Direct determination of anaerobe contributions to the energy metabolism of Trypanosoma cruzi by chip calorimetry. Analytical and Bioanalytical Chemistry, 2019, 411, 3763-3768.	3.7	10
18	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

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19	Can acetylcysteine ameliorate cisplatinâ€induced toxicities and oxidative stress without decreasing antitumor efficacy? A randomized, doubleâ€blind, placeboâ€controlled trial involving patients with head and neck cancer. Cancer Medicine, 2019, 8, 2020-2030.	2.8	23
20	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
21	Lack of mitochondrial NADP(H)-transhydrogenase expression in macrophages exacerbates atherosclerosis in hypercholesterolemic mice. Biochemical Journal, 2019, 476, 3769-3789.	3.7	12
22	Facilitation of Ca‹sup›2+‹/sup›â€induced opening of the mitochondrial permeability transition pore either by nicotinamide nucleotide transhydrogenase deficiency or statins treatment. Cell Biology International, 2018, 42, 742-746.	3.0	9
23	‹i›Mangifera indica‹/i› L. extract (VimangÂ®) reduces plasma and liver cholesterol and leucocyte oxidative stress in hypercholesterolemic LDL receptor deficient mice. Cell Biology International, 2018, 42, 747-753.	3.0	4
24	The mitochondrial calcium uniporter complex in trypanosomes. Cell Biology International, 2018, 42, 656-663.	3.0	9
25	Spontaneous experimental atherosclerosis in hypercholesterolemic mice advances with ageing and correlates with mitochondrial reactive oxygen species. Experimental Gerontology, 2018, 109, 47-50.	2.8	12
26	Cisplatin-induced human peripheral blood mononuclear cellsâ€™ oxidative stress and nephrotoxicity in head and neck cancer patients: the influence of hydrogen peroxide. Molecular and Cellular Biochemistry, 2018, 440, 139-145.	3.1	12
27	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
28	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
29	Coenzyme Q10 or Creatine Counteract Pravastatin-Induced Liver Redox Changes in Hypercholesterolemic Mice. Frontiers in Pharmacology, 2018, 9, 685.	3.5	14
30	BigR is a sulfide sensor that regulates a sulfur transferase/dioxygenase required for aerobic respiration of plant bacteria under sulfide stress. Scientific Reports, 2018, 8, 3508.	3.3	24
31	Different Roles of Mitochondrial Calcium Uniporter Complex Subunits in Growth and Infectivity of ‹i›Trypanosoma cruzi‹/i›. MBio, 2017, 8, .	4.1	78
32	pCramoll and rCramoll lectins induce cell death in human prostate adenocarcinoma (PC-3) cells by impairment of mitochondrial homeostasis. Toxicology in Vitro, 2017, 43, 40-46.	2.4	7
33	Lack of XPC leads to a shift between respiratory complexes I and II but sensitizes cells to mitochondrial stress. Scientific Reports, 2017, 7, 155.	3.3	19
34	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
35	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
36	Endogenous C-terminal Tagging by CRISPR/Cas9 in Trypanosoma cruzi. Bio-protocol, 2017, 7, .	0.4	37

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37	Correlation between Mitochondrial Reactive Oxygen and Severity of Atherosclerosis. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	20
38	Increased glutathione levels contribute to the beneficial effects of hydrogen sulfide and inducible nitric oxide inhibition in allergic lung inflammation. International Immunopharmacology, 2016, 39, 57-62.	3.8	23
39	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
40	Increased Susceptibility ofGracilinanus microtarsusLiver Mitochondria to Ca²⁺-Induced Permeability Transition Is Associated with a More Oxidized State of NAD(P). Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	4.0	4
41	Nek5 interacts with mitochondrial proteins and interferes negatively in mitochondrial mediated cell death and respiration. Cellular Signalling, 2015, 27, 1168-1177.	3.6	30
42	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
43	Mass spectrometry imaging: a new vision in differentiatingSchistosoma mansonistrains. Journal of Mass Spectrometry, 2014, 49, 86-92.	1.6	25
44	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
45	Oxidative stress and susceptibility to mitochondrial permeability transition precedes the onset of diabetes in autoimmune non-obese diabetic mice. Free Radical Research, 2014, 48, 1494-1504.	3.3	20
46	Liver proteomic response to hypertriglyceridemia in human-apolipoprotein C-III transgenic mice at cellular and mitochondrial compartment levels. Lipids in Health and Disease, 2014, 13, 116.	3.0	8
47	Mitochondrial calcium transport in trypanosomes. Molecular and Biochemical Parasitology, 2014, 196, 108-116.	1.1	24
48	The Cratylia mollis Seed Lectin Induces Membrane Permeability Transition in Isolated Rat Liver Mitochondria and a Cyclosporine Aâ€Insensitive Permeability Transition in Trypanosoma cruzi Mitochondria. Journal of Eukaryotic Microbiology, 2014, 61, 381-388.	1.7	13
49	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
50	Activation of the mitochondrial ATP-sensitive K+ channel reduces apoptosis of spleen mononuclear cells induced by hyperlipidemia. Lipids in Health and Disease, 2013, 12, 87.	3.0	12
51	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
52	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
53	Hydrogen sulfide inhibits oxidative stress in lungs from allergic mice in vivo. European Journal of Pharmacology, 2013, 698, 463-469.	3.5	64
54	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

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55	Essential regulation of cell bioenergetics in Trypanosoma brucei by the mitochondrial calcium uniporter. Nature Communications, 2013, 4, 2865.	12.8	111
56	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
57	Redox properties of mitochondria from C57BL/6J mice that lack NADP+â€transhydrogenase activity due to spontaneous NNT mutation. FASEB Journal, 2013, 27, lb56.	0.5	0
58	Enhanced insulin secretion and glucose tolerance in rats exhibiting low plasma free fatty acid levels and hypertriglyceridaemia due to congenital albumin deficiency. Experimental Physiology, 2012, 97, 525-533.	2.0	3
59	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
60	Inhibition of Macrophage Oxidative Stress Prevents the Reduction of ABCAâ€1 Transporter Induced by Advanced Glycated Albumin. Lipids, 2012, 47, 443-450.	1.7	22
61	The higher susceptibility of congenital analbuminemic rats to Ca2+-induced mitochondrial permeability transition is associated with the increased expression of cyclophilin D and nitrosothiol depletion. Molecular Genetics and Metabolism, 2011, 104, 521-528.	1.1	11
62	Reduction in generation of reactive oxygen species and endothelial dysfunction during postprandial state. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 800-807.	2.6	2
63	Inhibition of fatty acid synthase in melanoma cells activates the intrinsic pathway of apoptosis. Laboratory Investigation, 2011, 91, 232-240.	3.7	56
64	Mitochondrial energy metabolism and redox responses to hypertriglyceridemia. Journal of Bioenergetics and Biomembranes, 2011, 43, 19-23.	2.3	29
65	Introduction to the mini-review series on bioenergetics and biomembranes authored by participants of the 39th Annual Meeting of the Brazilian Society for Biochemistry and Molecular Biology. Journal of Bioenergetics and Biomembranes, 2011, 43, 1-2.	2.3	1
66	Reactive oxygen species and permeability transition pore in rat liver and kidney mitoplasts. Journal of Bioenergetics and Biomembranes, 2011, 43, 709-715.	2.3	11
67	Distinct hepatic lipid profile of hypertriglyceridemic mice determined by easy ambient sonic-spray ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 401, 1651-1659.	3.7	23
68	The C242T polymorphism of the p22-phox gene (CYBA) is associated with higher left ventricular mass in Brazilian hypertensive patients. BMC Medical Genetics, 2011, 12, 114.	2.1	17
69	Visualizing inhibition of fatty acid synthase through mass spectrometric analysis of mitochondria from melanoma cells. Rapid Communications in Mass Spectrometry, 2011, 25, 449-452.	1.5	5
70	Metformin Amplifies Chemotherapy-Induced AMPK Activation and Antitumoral Growth. Clinical Cancer Research, 2011, 17, 3993-4005.	7.0	258
71	Mechanism of Trypanosoma cruzi death induced by Cratylia mollis seed lectin. Journal of Bioenergetics and Biomembranes, 2010, 42, 69-78.	2.3	30
72	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

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73	Potent Cardioprotective Effect of the 4-Anilinoquinazoline Derivative PD153035: Involvement of Mitochondrial KATP Channel Activation. PLoS ONE, 2010, 5, e10666.	2.5	10
74	Embryo Mitochondrial DNA Depletion Is Reversed During Early Embryogenesis in Cattle1. Biology of Reproduction, 2010, 82, 76-85.	2.7	58
75	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
76	Lack of plasma albumin impairs intravascular lipolysis and explains the associated free fatty acids deficiency and hypertriglyceridemia. Lipids in Health and Disease, 2010, 9, 146.	3.0	10
77	Uso de ingredientes provenientes de OGM em raÃ§Ãµes e seu impacto na produÃ§Ã£o de alimentos de origem animal para humanos. Revista Brasileira De Zootecnia, 2009, 38, 441-449.	0.8	0
78	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
79	Chapter 22 Methods for Assessing and Modulating UCP2 Expression and Function. Methods in Enzymology, 2009, 457, 395-404.	1.0	2
80	In vitro Effect of a New Cinnamic Acid Derivative Against the Epimastigote Form of Trypanosoma cruzi. Arzneimittelforschung, 2009, 59, 207-211.	0.4	10
81	Mitochondria and reactive oxygen species. Free Radical Biology and Medicine, 2009, 47, 333-343.	2.9	904
82	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
83	Biological effects of anionic meso-tetrakis (para-sulfonatophenyl) porphyrins modulated by the metal center. Studies in rat liver mitochondria. Chemico-Biological Interactions, 2009, 181, 400-408.	4.0	13
84	Uncoupling and oxidative stress in liver mitochondria isolated from rats with acute iron overload. Archives of Toxicology, 2009, 83, 47-53.	4.2	17
85	In vitro photodynamic activity of chloro(5,10,15,20-tetraphenylporphyrinato)indium(III) loaded-poly(lactide-co-glycolide) nanoparticles in LNCaP prostate tumour cells. Journal of Photochemistry and Photobiology B: Biology, 2009, 94, 101-112.	3.8	22
86	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
87	Reactive oxygen species production is increased in the peripheral blood monocytes of obese patients. Metabolism: Clinical and Experimental, 2009, 58, 1087-1095.	3.4	20
88	Mitochondrial calcium overload triggers complement-dependent superoxide-mediated programmed cell death inTrypanosoma cruzi. Biochemical Journal, 2009, 418, 595-604.	3.7	63
89	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
90	UCP2 protects hypothalamic cells from TNFâ€Î±â€induced damage. FEBS Letters, 2008, 582, 3103-3110.	2.8	30

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91	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
92	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
93	New acridinone derivative with trypanocidal activity. International Journal of Antimicrobial Agents, 2008, 31, 502-504.	2.5	3
94	Vitamin E Supplementation Reduces Oxidative Stress in Beta Thalassaemia Intermedia. Acta Haematologica, 2008, 120, 225-231.	1.4	33
95	High susceptibility of activated lymphocytes to oxidative stress-induced cell death. Anais Da Academia Brasileira De Ciencias, 2008, 80, 137-148.	0.8	8
96	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
97	Effects of NH4Cl-induced systemic metabolic acidosis on kidney mitochondrial coupling and calcium transport in rats. Nephrology Dialysis Transplantation, 2007, 22, 2817-2823.	0.7	20
98	Irradiated cationic mesoporphyrin induces larger damage to isolated rat liver mitochondria than the anionic form. Archives of Biochemistry and Biophysics, 2007, 457, 217-224.	3.0	14
99	Effect of Lipid Infusion on Metabolism and Force of Rat Skeletal Muscles During Intense Contractions. Cellular Physiology and Biochemistry, 2007, 20, 213-226.	1.6	20
100	Mutational analysis of Arabidopsis thaliana plant uncoupling mitochondrial protein. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1412-1417.	1.0	3
101	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
102	Trypanosoma brucei brucei: Biochemical characterization of ecto-nucleoside triphosphate diphosphohydrolase activities. Experimental Parasitology, 2007, 115, 315-323.	1.2	48
103	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
104	Mitochondrial Energy Metabolism and Redox State in Dyslipidemias. IUBMB Life, 2007, 59, 263-268.	3.4	22
105	A brief history of the Brazilian Society for Biochemistry and Molecular Biology (SBBq). IUBMB Life, 2007, 59, 214-216.	3.4	1
106	High Bcl-2/Bax ratio in Walker tumor cells protects mitochondria but does not prevent H2O2-induced apoptosis via calcineurin pathways. Journal of Bioenergetics and Biomembranes, 2007, 39, 186-194.	2.3	20
107	PLANT UNCOUPLING MITOCHONDRIAL PROTEINS. Annual Review of Plant Biology, 2006, 57, 383-404.	18.7	184
108	Hyperlipidemic Mice Present Enhanced Catabolism and Higher Mitochondrial ATP-Sensitive K+ Channel Activity. Gastroenterology, 2006, 131, 1228-1234.	1.3	35

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109	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
110	Dual mechanism of mangiferin protection against iron-induced damage to 2-deoxyribose and ascorbate oxidation. Pharmacological Research, 2006, 53, 253-260.	7.1	37
111	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
112	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
113	Mangifera indica L. extract (VimangÂ®) inhibits 2-deoxyribose damage induced by Fe (III) plus ascorbate. Phytotherapy Research, 2006, 20, 120-124.	5.8	25
114	Statins induce calcium-dependent mitochondrial permeability transition. Toxicology, 2006, 219, 124-132.	4.2	70
115	Role of mitochondria in the immune response to cancer: a central role for Ca2+. Journal of Bioenergetics and Biomembranes, 2006, 38, 1-10.	2.3	22
116	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
117	Vimang (Mangifera indica L. extract) induces permeability transition in isolated mitochondria, closely reproducing the effect of mangiferin, Vimang's main component. Chemico-Biological Interactions, 2006, 159, 141-148.	4.0	21
118	Verapamil-sensitive Ca2+ channel regulation of Th1-type proliferation of splenic lymphocytes induced by Walker 256 tumor development in rats. European Journal of Pharmacology, 2006, 549, 179-184.	3.5	10
119	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
120	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
121	High performance liquid chromatography analysis of a 4-anilinoquinazoline derivative (PD153035), a specific inhibitor of the epidermal growth factor receptor tyrosine kinase, in rat plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 817, 297-302.	2.3	3
122	P-type Proton ATPases are Involved in Intracellular Calcium and Proton Uptake in the Plant Parasite Phytomonas francai. Journal of Eukaryotic Microbiology, 2005, 52, 55-60.	1.7	6
123	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
124	Genomic Structure and Regulation of Mitochondrial Uncoupling Protein Genes in Mammals and Plants. Bioscience Reports, 2005, 25, 209-226.	2.4	18
125	Plant Uncoupling Mitochondrial Protein and Alternative Oxidase: Energy Metabolism and Stress. Bioscience Reports, 2005, 25, 271-286.	2.4	54
126	Oxidative stress in atherosclerosisâ€prone mouse is due to low antioxidant capacity of mitochondria. FASEB Journal, 2005, 19, 1-14.	0.5	85

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127	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
128	Mangifera indica L. extract (Vimang) inhibits Fe2+-citrate-induced lipoperoxidation in isolated rat liver mitochondria. Pharmacological Research, 2005, 51, 427-435.	7.1	42
129	Respiration, oxidative phosphorylation, and uncoupling protein in Candida albicans. Brazilian Journal of Medical and Biological Research, 2004, 37, 1455-1461.	1.5	35
130	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
131	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
132	Ibuprofen-induced Walker 256 tumor cell death: cytochrome c release from functional mitochondria and enhancement by calcineurin inhibition. Biochemical Pharmacology, 2004, 68, 2197-2206.	4.4	16
133	A Highly Active ATP-Insensitive K+Import Pathway in Plant Mitochondria. Journal of Bioenergetics and Biomembranes, 2004, 36, 195-202.	2.3	33
134	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
135	Regulation by Magnesium of Potato Tuber Mitochondrial Respiratory Activities. Journal of Bioenergetics and Biomembranes, 2004, 36, 525-531.	2.3	3
136	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
137	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
138	Hypertriglyceridemia increases mitochondrial resting respiration and susceptibility to permeability transition. Journal of Bioenergetics and Biomembranes, 2003, 35, 451-457.	2.3	21
139	A metallo phosphatase activity present on the surface of Trypanosoma brucei procyclic forms. Veterinary Parasitology, 2003, 118, 19-28.	1.8	13
140	Ca2+ -induced oxidative stress in brain mitochondria treated with the respiratory chain inhibitor rotenone. FEBS Letters, 2003, 543, 179-183.	2.8	99
141	[25] Thiol enzymes protecting mitochondria against oxidative damage. Methods in Enzymology, 2002, 348, 260-270.	1.0	34
142	Oxidative stress in Ca2+-induced membrane permeability transition in brain mitochondria. Journal of Neurochemistry, 2002, 79, 1237-1245.	3.9	156
143	Opposite effects of Mn(III) and Fe(III) forms of meso-tetrakis(4-N-methyl pyridiniumyl) porphyrins on isolated rat liver mitochondria. Journal of Bioenergetics and Biomembranes, 2002, 34, 41-47.	2.3	17
144	Mitochondrial permeability transition induced by chemically generated singlet oxygen. Journal of Bioenergetics and Biomembranes, 2002, 34, 157-163.	2.3	16

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145	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
146	Mitochondrial permeability transition and oxidative stress. FEBS Letters, 2001, 495, 12-15.	2.8	722
147	Ca2+transport into an intracellular acidic compartment ofCandida parapsilosis. FEBS Letters, 2001, 500, 80-84.	2.8	12
148	Functional reconstitution of Arabidopsis thaliana plant uncoupling mitochondrial protein (At) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.8	53
149	Respiratory chain network in mitochondria ofCandida parapsilosis: ADP/O appraisal of the multiple electron pathways. FEBS Letters, 2001, 508, 231-235.	2.8	55
150	Suramin inhibits respiration and induces membrane permeability transition in isolated rat liver mitochondria. Toxicology, 2001, 169, 17-23.	4.2	5
151	Walker tumor cells express larger amounts of the antiapoptotic protein Bcl-2 and presents higher resistance to toxic concentrations of Ca2+ than the tumor cells K 562. Drug Development Research, 2001, 52, 508-514.	2.9	4
152	The Discovery of an Uncoupling Mitochondrial Protein in Plants. Bioscience Reports, 2001, 21, 195-200.	2.4	20
153	Alternative Oxidase and Uncoupling Protein: Thermogenesis Versus Cell Energy Balance. Bioscience Reports, 2001, 21, 213-222.	2.4	45
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