Wieslawa Jarmuszkiewicz

List of Publications by Year
in descending order

112 papers	3,190 citations	117453 34 h-index	197535 49 g-index
114 all docs	114 docs citations	114 times ranked	3027 citing authors

#	Article	IF	Citations
1	Effects of Endurance Training on the Coenzyme Q Redox State in Rat Heart, Liver, and Brain at the Tissue and Mitochondrial Levels: Implications for Reactive Oxygen Species Formation and Respiratory Chain Remodeling. International Journal of Molecular Sciences, 2022, 23, 896.	1.8	3
2	Cytopathological Outcomes of Knocking down Expression of Mitochondrial Complex II Subunits in Dictyostelium discoideum. International Journal of Molecular Sciences, 2022, 23, 5039.	1.8	1
3	Dysregulated Provision of Oxidisable Substrates to the Mitochondria in ME/CFS Lymphoblasts. International Journal of Molecular Sciences, 2021, 22, 2046.	1.8	24
4	The Relationship between Mitochondrial Reactive Oxygen Species Production and Mitochondrial Energetics in Rat Tissues with Different Contents of Reduced Coenzyme Q. Antioxidants, 2021, 10, 533.	2.2	10
5	A Conserved Role for LRRK2 and Roco Proteins in the Regulation of Mitochondrial Activity. Frontiers in Cell and Developmental Biology, 2021, 9, 734554.	1.8	6
6	Relationships between Mitochondrial Function, AMPK, and TORC1 Signaling in Lymphoblasts with Premutation Alleles of the FMR1 Gene. International Journal of Molecular Sciences, 2021, 22, 10393.	1.8	2
7	Chronic Activation of AMPK Induces Mitochondrial Biogenesis through Differential Phosphorylation and Abundance of Mitochondrial Proteins in Dictyostelium discoideum. International Journal of Molecular Sciences, 2021, 22, 11675.	1.8	2
8	Carbon dioxide inhibits COVID-19-type proinflammatory responses through extracellular signal-regulated kinases 1 and 2, novel carbon dioxide sensors. Cellular and Molecular Life Sciences, 2021, 78, 8229-8242.	2.4	10
9	Activation of antioxidative and detoxificative systems in Brassica juncea L. plants against the toxicity of heavy metals. Scientific Reports, 2021, 11, 22345.	1.6	10
10	Cellular Bioenergetics and AMPK and TORC1 Signalling in Blood Lymphoblasts Are Biomarkers of Clinical Status in FMR1 Premutation Carriers. Frontiers in Psychiatry, 2021, 12, 747268.	1.3	4
11	Lung mitochondria adaptation to endurance training in rats. Free Radical Biology and Medicine, 2020, 161, 163-174.	1.3	13
12	Cytotoxicity and Mitochondrial Dysregulation Caused by Î±-Synuclein in Dictyostelium discoideum. Cells, 2020, 9, 2289.	1.8	10
13	Regulation of the Mitochondrial BKCa Channel by the Citrus Flavonoid Naringenin as a Potential Means of Preventing Cell Damage. Molecules, 2020, 25, 3010.	1.7	30
14	Flavonoids and Mitochondria: Activation of Cytoprotective Pathways?. Molecules, 2020, 25, 3060.	1.7	62
15	The Influence of Statins on the Aerobic Metabolism of Endothelial Cells. International Journal of Molecular Sciences, 2020, 21, 1485.	1.8	20
16	An Isolated Complex V Inefficiency and Dysregulated Mitochondrial Function in Immortalized Lymphocytes from ME/CFS Patients. International Journal of Molecular Sciences, 2020, 21, 1074.	1.8	49
17	Cell-Based Blood Biomarkers for Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. International Journal of Molecular Sciences, 2020, 21, 1142.	1.8	19
18	Energy-dissipating hub in muscle mitochondria: Potassium channels and uncoupling proteins. Archives of Biochemistry and Biophysics, 2019, 664, 102-109.	1.4	9

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19	Naringenin as an opener of mitochondrial potassium channels in dermal fibroblasts. Experimental Dermatology, 2019, 28, 543-550.	1.4	22
20	Alternative Type II NAD(P)H Dehydrogenases in the Mitochondria of Protists and Fungi. Protist, 2019, 170, 21-37.	0.6	28
21	Evidence for a mitochondrial ATP-regulated potassium channel in human dermal fibroblasts. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 309-318.	0.5	35
22	Atorvastatin affects negatively respiratory function of isolated endothelial mitochondria. Archives of Biochemistry and Biophysics, 2018, 637, 64-72.	1.4	12
23	The Spectrum of Neurological and White Matter Changes and Premutation Status Categories of Older Male Carriers of the FMR1 Alleles Are Linked to Genetic (CGG and FMR1 mRNA) and Cellular Stress (AMPK) Markers. Frontiers in Genetics, 2018, 9, 531.	1.1	7
24	The interplay between mitochondrial reactive oxygen species formation and the coenzyme Q reduction level. Redox Biology, 2018, 18, 256-265.	3.9	16
25	Mitochondrial HTRA2 Plays a Positive, Protective Role in Dictyostelium discoideum but Is Cytotoxic When Overexpressed. Genes, 2018, 9, 355.	1.0	11
26	Proteobacterial Origin of Protein Arginine Methylation and Regulation of Complex I Assembly by MidA. Cell Reports, 2018, 24, 1996-2004.	2.9	10
27	Hypoxia and aerobic metabolism adaptations of human endothelial cells. Pflugers Archiv European Journal of Physiology, 2017, 469, 815-827.	1.3	29
28	The Parkinson's disease-associated protein DJ-1 plays a positive nonmitochondrial role in endocytosis inDictyosteliumcells. DMM Disease Models and Mechanisms, 2017, 10, 1261-1271.	1.2	18
29	The conserved regulation of mitochondrial uncoupling proteins: From unicellular eukaryotes to mammals. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 21-33.	0.5	39
30	Effect of temperature on fatty acid metabolism in skeletal muscle mitochondria of untrained and endurance-trained rats. PLoS ONE, 2017, 12, e0189456.	1.1	26
31	A large-conductance calcium-regulated K+ channel in human dermal fibroblast mitochondria. Biochemical Journal, 2016, 473, 4457-4471.	1.7	34
32	Immortalized Parkinson's Disease lymphocytes have enhanced mitochondrial respiratory activity. DMM Disease Models and Mechanisms, 2016, 9, 1295-1305.	1.2	40
33	Endurance training increases the efficiency of rat skeletal muscle mitochondria. Pflugers Archiv European Journal of Physiology, 2016, 468, 1709-1724.	1.3	48
34	Uncoupling proteins of invertebrates: A review. IUBMB Life, 2016, 68, 691-699.	1.5	22
35	Mitochondrial Stress Tests Using Seahorse Respirometry on Intact Dictyostelium discoideum Cells. Methods in Molecular Biology, 2016, 1407, 41-61.	0.4	18
36	The effect of chronic exposure to high palmitic acid concentrations on the aerobic metabolism of human endothelial EA.hy926 cells. Pflugers Archiv European Journal of Physiology, 2016, 468, 1541-1554.	1.3	23

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37	NONSULFATED SULFAKININ CHANGES METABOLIC PARAMETERS OF INSECT FAT BODY MITOCHONDRIA. Archives of Insect Biochemistry and Physiology, 2016, 93, 177-189.	0.6	7
38	What do we not know about mitochondrial potassium channels?. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1247-1257.	0.5	110
39	Activation of Mitochondrial Uncoupling Protein 4 and ATP-Sensitive Potassium Channel Cumulatively Decreases Superoxide Production in Insect Mitochondria. Protein and Peptide Letters, 2015, 23, 63-68.	0.4	6
40	Increased activity of mitochondrial uncoupling protein 2 improves stress resistance in cultured endothelial cells exposed in vitro to high glucose levels. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H147-H156.	1.5	48
41	Biogenesis of mitochondria in cauliflower (Brassica oleracea var. botrytis) curds subjected to temperature stress and recovery involves regulation of the complexome, respiratory chain activity, organellar translation and ultrastructure. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 399-417.	0.5	22
42	Mitochondrial large-conductance potassium channel from Dictyostelium discoideum. International Journal of Biochemistry and Cell Biology, 2015, 60, 167-175.	1.2	16
43	Temperature controls oxidative phosphorylation and reactive oxygen species production through uncoupling in rat skeletal muscle mitochondria. Free Radical Biology and Medicine, 2015, 83, 12-20.	1.3	60
44	The activity of the nonsulfated sulfakinin Zopat-SK-1 in the neck-ligated larvae of the beetle Zophobas atratus. Peptides, 2015, 69, 127-132.	1.2	7
45	Mitochondrial mechanisms of endothelial dysfunction. Pharmacological Reports, 2015, 67, 704-710.	1.5	79
46	New metabolic activity of the nonsulfated sulfakinin Zopat-SK-1 in the insect fat body. Peptides, 2015, 68, 157-163.	1.2	9
47	Different Effects of Guanine Nucleotides (GDP and GTP) on Protein-Mediated Mitochondrial Proton Leak. PLoS ONE, 2014, 9, e98969.	1.1	27
48	Functional expression of the Acanthamoeba castellanii alternative oxidase in Escherichia coli; regulation of the activity and evidence for Acaox gene function. Biochemistry and Cell Biology, 2014, 92, 235-241.	0.9	6
49	Mechanisms responsible for the acceleration of pulmonary VÌ‡<scp>o</scp>₂on-kinetics in humans after prolonged endurance training. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1101-R1114.	0.9	39
50	External NAD(P)H Dehydrogenases in Acanthamoeba castellanii Mitochondria. Protist, 2014, 165, 580-593.	0.6	9
51	Sensitivity of the aldehyde-induced and free fatty acid-induced activities of plant uncoupling protein to GTP is regulated by the ubiquinone reduction level. Plant Physiology and Biochemistry, 2014, 79, 109-116.	2.8	6
52	Acanthamoeba castellanii STAT Protein. PLoS ONE, 2014, 9, e111345.	1.1	6
53	UCP4 expression changes in larval and pupal fat bodies of the beetle Zophobas atratus under adipokinetic hormone treatment. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 52-59.	0.8	19
54	Evidences for an ATP-sensitive potassium channel (KATP) in muscle and fat body mitochondria of insect. Journal of Insect Physiology, 2013, 59, 1125-1132.	0.9	8

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55	Hydroxynonenal-stimulated activity of the uncoupling protein in Acanthamoeba castellanii mitochondria under phosphorylating conditions. Biological Chemistry, 2013, 394, 649-658.	1.2	9
56	Large-conductance Ca²⁺-activated potassium channel in mitochondria of endothelial EA.hy926 cells. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1415-H1427.	1.5	65
57	Hydroxynonenal, a lipid peroxidation end product, stimulates uncoupling protein activity in Acanthamoeba castellanii mitochondria; the sensitivity of the inducible activity to purine nucleotides depends on the membranous ubiquinone redox state. Journal of Bioenergetics and Biomembranes, 2012, 44, 525-538.	1.0	8
58	Molecular identification and functional characterisation of uncoupling protein 4 in larva and pupa fat body mitochondria from the beetle Zophobas atratus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2012, 162, 126-133.	0.7	8
59	The influence of high glucose on the aerobic metabolism of endothelial EA.hy926 cells. Pflugers Archiv European Journal of Physiology, 2012, 464, 657-669.	1.3	70
60	Ubiquinol (QH2) functions as a negative regulator of purine nucleotide inhibition of Acanthamoeba castellanii mitochondrial uncoupling protein. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 42-52.	0.5	24
61	Ion conductance pathways in potato tuber (Solanum tuberosum) inner mitochondrial membrane. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 275-285.	0.5	20
62	Impact of oxidative stress on Acanthamoeba castellanii mitochondrial bioenergetics depends on cell growth stage. Journal of Bioenergetics and Biomembranes, 2011, 43, 217-225.	1.0	10
63	Identification and characterization of uncoupling protein 4 in fat body and muscle mitochondria from the cockroach Gromphadorhina cocquereliana. Journal of Bioenergetics and Biomembranes, 2011, 43, 717-727.	1.0	26
64	Mitochondrial uncoupling proteins in unicellular eukaryotes. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 792-799.	0.5	45
65	Potassium channels in the mitochondria of unicellular eukaryotes and plants. FEBS Letters, 2010, 584, 2057-2062.	1.3	20
66	Dynamics of the Dictyostelium discoideum mitochondrial proteome during vegetative growth, starvation and early stages of development. Proteomics, 2010, 10, 6-22.	1.3	20
67	Regulation of Acanthamoeba castellanii alternative oxidase activity by mutual exclusion of purine nucleotides; ATP's inhibitory effect. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 264-271.	0.5	13
68	Mitochondrial potassium channels. IUBMB Life, 2009, 61, 134-143.	1.5	153
69	A large-conductance calcium-activated potassium channel in potato (Solanum tuberosum) tuber mitochondria. Biochemical Journal, 2009, 424, 307-316.	1.7	41
70	Uncoupling protein 1 inhibition by purine nucleotides is under the control of the endogenous ubiquinone redox state. Biochemical Journal, 2009, 424, 297-306.	1.7	29
71	Redox state of quinone affects sensitivity of Acanthamoeba castellanii mitochondrial uncoupling protein to purine nucleotides. Biochemical Journal, 2008, 413, 359-367.	1.7	17
72	Basic energetic parameters of Acanthamoeba castellanii mitochondria and their resistance to oxidative stress.. Acta Biochimica Polonica, 2008, 55, 349-356.	0.3	3

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73	Basic energetic parameters of Acanthamoeba castellanii mitochondria and their resistance to oxidative stress. Acta Biochimica Polonica, 2008, 55, 349-55.	0.3	2
74	ATP-sensitive Potassium Channel in Mitochondria of the Eukaryotic Microorganism Acanthamoeba castellanii. Journal of Biological Chemistry, 2007, 282, 17433-17441.	1.6	45
75	Fatty acid efficiency profile in uncoupling of Acanthamoeba castellanii mitochondria. Journal of Bioenergetics and Biomembranes, 2007, 39, 109-115.	1.0	12
76	Mitochondrial function plasticity in Acanthamoeba castellanii during growth in batch culture. Journal of Bioenergetics and Biomembranes, 2007, 39, 149-157.	1.0	19
77	Mitochondrial UCPs: New insights into regulation and impact. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 480-485.	0.5	123
78	Proton leak induced by reactive oxygen species produced during in vitro anoxia/reoxygenation in rat skeletal muscle mitochondria. Journal of Bioenergetics and Biomembranes, 2006, 38, 23-32.	1.0	24
79	In Phosphorylating Acanthamoeba castellanii Mitochondria the Sensitivity of Uncoupling Protein Activity to GTP Depends on the Redox State of Quinone. Journal of Bioenergetics and Biomembranes, 2005, 37, 97-107.	1.0	28
80	An Inception Report on the TOM Complex of the Amoeba Acanthamoeba castellanii, a Simple Model Protozoan in Mitochondria Studies. Journal of Bioenergetics and Biomembranes, 2005, 37, 261-268.	1.0	12
81	Activation of alternative oxidase and uncoupling protein lowers hydrogen peroxide formation in amoebaAcanthamoeba castellaniimitochondria. FEBS Letters, 2005, 579, 3136-3140.	1.3	50
82	Regulation of uncoupling protein activity in phosphorylating potato tuber mitochondria. FEBS Letters, 2005, 579, 4437-4442.	1.3	29
83	Substrate kinetics of the Acanthamoeba castellanii alternative oxidase and the effects of GMP. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 71-78.	0.5	18
84	Uncoupling Proteins in Amoeboid Eukaryotes,Acanthamoeba castellanii, andDictyostelium discoideum. Toxicology Mechanisms and Methods, 2004, 14, 3-6.	1.3	3
85	Mitochondrial Respiratory Chain Complex Patterns from Acanthamoeba castellanii and Lycopersicon esculentum: Comparative Analysis by BN-PAGE and Evidence of Proteinâ€“Protein Interaction Between Alternative Oxidase and Complex III. Journal of Bioenergetics and Biomembranes, 2004, 36, 471-479.	1.0	23
86	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.	1.0	52
87	Protective Effect of EGb 761 Against Oxidative Phosphorylation of Brain Mitochondria After Anoxia/Reoxygenation In Vivo and In Vitro. Toxicology Mechanisms and Methods, 2004, 14, 97-101.	1.3	3
88	The effect of growth at low temperature on the activity and expression of the uncoupling protein inAcanthamoeba castellaniimitochondria. FEBS Letters, 2004, 569, 178-184.	1.3	19
89	Regulation of Electron Transport in the Respiratory Chain of Plant Mitochondria. Advances in Photosynthesis and Respiration, 2004, , 231-245.	1.0	4
90	Energy conservation and dissipation in mitochondria isolated from developing tomato fruit of ethylene-defective mutants failing normal ripening: the effect of ethephon, a chemical precursor of ethylene. Journal of Bioenergetics and Biomembranes, 2003, 35, 157-168.	1.0	15

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91	Uncoupling proteins outside the animal and plant kingdoms: functional and evolutionary aspects. FEBS Letters, 2002, 510, 117-120.	1.3	68
92	Uncoupling protein and alternative oxidase ofDictyostelium discoideum: occurrence, properties and protein expression during vegetative life and starvation-induced early development. FEBS Letters, 2002, 532, 459-464.	1.3	47
93	Interactions between the cytochrome pathway and the alternative oxidase in isolated Acanthamoeba castellanii mitochondria. Journal of Bioenergetics and Biomembranes, 2002, 34, 31-40.	1.0	11
94	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.	1.0	27
95	Respiratory chain network in mitochondria ofCandida parapsilosis: ADP/O appraisal of the multiple electron pathways. FEBS Letters, 2001, 508, 231-235.	1.3	55
96	Alternative Oxidase and Uncoupling Protein: Thermogenesis Versus Cell Energy Balance. Bioscience Reports, 2001, 21, 213-222.	1.1	45
97	Effect of growth at low temperature on the alternative pathway respiration in Acanthamoeba castellanii mitochondria.. Acta Biochimica Polonica, 2001, 48, 729-737.	0.3	18
98	Uncoupling proteins in mitochondria of plants and some microorganisms.. Acta Biochimica Polonica, 2001, 48, 145-155.	0.3	24
99	Uncoupling proteins in mitochondria of plants and some microorganisms. Acta Biochimica Polonica, 2001, 48, 145-55.	0.3	4
100	Effect of growth at low temperature on the alternative pathway respiration in Acanthamoeba castellanii mitochondria. Acta Biochimica Polonica, 2001, 48, 729-37.	0.3	3
101	Effect of pH on CN-resistant respiratory activity and regulation on Vigna uniguiculata mitochondria. Plant Physiology and Biochemistry, 2000, 38, 765-771.	2.8	13
102	Activity and functional interaction of alternative oxidase and uncoupling protein in mitochondria from tomato fruit. Brazilian Journal of Medical and Biological Research, 2000, 33, 259-268.	0.7	44
103	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.	1.6	36
104	First evidence and characterization of an uncoupling protein in fungi kingdom: CpUCP ofCandida parapsilosis. FEBS Letters, 2000, 467, 145-149.	1.3	62
105	Identification and Characterization of a Protozoan Uncoupling Protein in Acanthamoeba castellanii. Journal of Biological Chemistry, 1999, 274, 23198-23202.	1.6	64
106	Cyanide-Resistant, ATP-Synthesis-Sustained, and Uncoupling-Protein-Sustained Respiration during Postharvest Ripening of Tomato Fruit1. Plant Physiology, 1999, 119, 1323-1330.	2.3	74
107	Free fatty acids regulate the uncoupling protein and alternative oxidase activities in plant mitochondria. FEBS Letters, 1998, 433, 237-240.	1.3	75
108	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.	1.6	58

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109	Electron Partitioning between the Two Branching Quinol-oxidizing Pathways in Acanthamoeba castellaniiMitochondria during Steady-state State 3 Respiration. Journal of Biological Chemistry, 1998, 273, 10174-10180.	1.6	44
110	Alternative oxidase in the branched mitochondrial respiratory network: an overview on structure, function, regulation, and role. Brazilian Journal of Medical and Biological Research, 1998, 31, 733-747.	0.7	73
111	Immunological identification of the alternative oxidase ofAcanthamoeba castellaniimitochondria. FEBS Letters, 1997, 411, 110-114.	1.3	61
112	Regulation of electron flux in the branched respiratory chain in mitochondria of Acanthamoeba castellanii.. Acta Biochimica Polonica, 1994, 41, 218-220.	0.3	3