

Mitochondrial dysfunction and oxidative stress in aging

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evaluation of Methods for Characterizing Carbofuran Hydrolysis in Soil. <i>Journal of Environmental Quality</i> , 1991, 20, 763-769.	2.0	18
2	Effect of lentivirus-mediated shRNA inactivation of HK1, HK2, and HK3 genes in colorectal cancer and melanoma cells. <i>BMC Genetics</i> , 2016, 17, 156.	2.7	33
3	When polychromatic flow cytometry meets mitochondrial reactive oxygen species. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 1052-1053.	1.5	0
4	Differential expression of alternatively spliced transcripts related to energy metabolism in colorectal cancer. <i>BMC Genomics</i> , 2016, 17, 1011.	2.8	50
5	The role of peroxiredoxin 6 in neutralization of X-ray mediated oxidative stress: effects on gene expression, preservation of radiosensitive tissues and postradiation survival of animals. <i>Free Radical Research</i> , 2017, 51, 148-166.	3.3	39
6	Proteasomal and Autophagic Degradation Systems. <i>Annual Review of Biochemistry</i> , 2017, 86, 193-224.	11.1	800
7	Uncoupling protein 2 and metabolic diseases. <i>Mitochondrion</i> , 2017, 34, 135-140.	3.4	57
8	Happily (n)ever after: Aging in the context of oxidative stress, proteostasis loss and cellular senescence. <i>Redox Biology</i> , 2017, 11, 482-501.	9.0	268
9	Mitochondrial Diseases as Model of Neurodegeneration. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1007, 129-155.	1.6	15
10	Fatty Acids, Antioxidants and Physical Activity in Brain Aging. <i>Nutrients</i> , 2017, 9, 1263.	4.1	56
11	Selenium against lead-induced apoptosis in chicken nervous tissues via mitochondrial pathway. <i>Oncotarget</i> , 2017, 8, 108130-108145.	1.8	19
12	Pro- and Antioxidant Functions of the Peroxisome-Mitochondria Connection and Its Impact on Aging and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-17.	4.0	51
13	Intramitochondrial Ascorbic Acid Enhances the Formation of Mitochondrial Superoxide Induced by Peroxynitrite via a Ca ²⁺ -Independent Mechanism. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1686.	4.1	4
14	The dual role of mitochondrial superoxide in arsenite toxicity: Signaling at the boundary between apoptotic commitment and cytoprotection. <i>Toxicology and Applied Pharmacology</i> , 2018, 345, 26-35.	2.8	13
15	Oxidative stress response induced by chemotherapy in leukemia treatment (Review). <i>Molecular and Clinical Oncology</i> , 2018, 8, 391-399.	1.0	46
16	Recent advances in using mass spectrometry for mitochondrial metabolomics and lipidomics - A review. <i>Analytica Chimica Acta</i> , 2018, 1037, 3-12.	5.4	23
17	Increased cancers among residents living in the neighborhood of a petrochemical complex: A 12-year retrospective cohort study. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 308-314.	4.3	30
18	ROS and RNS signalling: adaptive redox switches through oxidative/nitrosative protein modifications. <i>Free Radical Research</i> , 2018, 52, 507-543.	3.3	208

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19	Respiratory analysis of coupled mitochondria in cryopreserved liver biopsies. <i>Redox Biology</i> , 2018, 17, 207-212.	9.0	22
20	Mitochondrial Uptake and Accumulation of Vitamin C: What Can We Learn from Cell Culture Studies?. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1502-1515.	5.4	28
21	Two mutations in mitochondrial ATP6 gene of ATP synthase, related to human cancer, affect ROS, calcium homeostasis and mitochondrial permeability transition in yeast. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 117-131.	4.1	36
22	Rejuvenation by cell reprogramming: a new horizon in gerontology. <i>Stem Cell Research and Therapy</i> , 2018, 9, 349.	5.5	16
23	Programming of Cell Resistance to Genotoxic and Oxidative Stress. <i>Biomedicines</i> , 2018, 6, 5.	3.2	13
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27	Transcription Factor SAP30 Is Involved in the Activation of NETO2 Gene Expression in Clear Cell Renal Cell Carcinoma. <i>Molecular Biology</i> , 2018, 52, 385-392.	1.3	8
28	Lipid peroxidation depends on the clock 3111T/C gene polymorphism in menopausal women with Insomnia. <i>Chronobiology International</i> , 2019, 36, 1399-1408.	2.0	8
29	Induction of ROS and DNA damage-dependent senescence by icaritin contributes to its antitumor activity in hepatocellular carcinoma cells. <i>Pharmaceutical Biology</i> , 2019, 57, 424-431.	2.9	23
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36	Interplay Between Mitochondrial Peroxiredoxins and ROS in Cancer Development and Progression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4407.	4.1	81

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38	Inhibition of mitochondrial respiration by tigecycline selectively targets thyroid carcinoma and increases chemosensitivity. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 890-897.	1.9	15
39	Novel potential causative genes in carotid paragangliomas. <i>BMC Medical Genetics</i> , 2019, 20, 48.	2.1	4
40	Reactive oxygen species and cancer: A complex interaction. <i>Cancer Letters</i> , 2019, 452, 132-143.	7.2	154
41	The CIMP-high phenotype is associated with energy metabolism alterations in colon adenocarcinoma. <i>BMC Medical Genetics</i> , 2019, 20, 52.	2.1	20
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46	Calcium signals between the ryanodine receptor- and mitochondria critically regulate the effects of arsenite on mitochondrial superoxide formation and on the ensuing survival vs apoptotic signaling. <i>Redox Biology</i> , 2019, 20, 285-295.	9.0	32
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49	Oxidative stress and exceptional human longevity: Systematic review. <i>Free Radical Biology and Medicine</i> , 2020, 149, 51-63.	2.9	49
50	Assessment of oxidative/anti-oxidative markers and DNA damage profile induced by chemotherapy in algerian children with lymphoma. <i>Drug and Chemical Toxicology</i> , 2020, 43, 169-173.	2.3	4
51	Effect of antioxidants, mitochondrial cofactors and omega-3 fatty acids on telomere length and kinematic joint mobility in young and old shepherd dogs – A randomized, blinded and placebo-controlled study. <i>Research in Veterinary Science</i> , 2020, 129, 137-153.	1.9	2
52	Hallmarks of oxidative stress in the livers of aged mice with mild glycogen branching enzyme deficiency. <i>Archives of Biochemistry and Biophysics</i> , 2020, 695, 108626.	3.0	6
53	Immunohistochemistry and Mutation Analysis of SDHx Genes in Carotid Paragangliomas. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6950.	4.1	13
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60	Natural Phenolic Acid, Product of the Honey Bee, for the Control of Oxidative Stress, Peritoneal Angiogenesis, and Tumor Growth in Mice. <i>Molecules</i> , 2020, 25, 5583.	3.8	9
61	Ferula L. Plant Extracts and Dose-Dependent Activity of Natural Sesquiterpene Ferutinin: From Antioxidant Potential to Cytotoxic Effects. <i>Molecules</i> , 2020, 25, 5768.	3.8	16
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67	Melatonin supplementation over different time periods until ageing modulates genotoxic parameters in mice. <i>Mutagenesis</i> , 2020, 35, 465-478.	2.6	8
68	Reactive Oxygen Species: Participation in Cellular Processes and Progression of Pathology. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 657-674.	1.0	13
69	Characterization and Discovery of a Selective Small-Molecule Modulator of Mitochondrial Complex I Targeting a Unique Binding Site. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11819-11830.	6.4	5
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72	Pro-Aging Effects of Xanthine Oxidoreductase Products. <i>Antioxidants</i> , 2020, 9, 839.	5.1	14

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74	The Remedial Potential of Lycopene in Pancreatitis through Regulation of Autophagy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5775.	4.1	16
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77	Utilizing Melatonin to Alleviate Side Effects of Chemotherapy: A Potentially Good Partner for Treating Cancer with Ageing. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	4.0	29
78	Neferine induces mitochondrial dysfunction to exert anti-proliferative and anti-invasive activities on retinoblastoma. <i>Experimental Biology and Medicine</i> , 2020, 245, 1385-1394.	2.4	12
79	Strongylocentrotus nudus lipids induce apoptosis in HepG2 cells through the induction of oxidative stress. <i>Food Bioscience</i> , 2020, 36, 100621.	4.4	2
80	Mitochondrial Dysfunction as a Key Event during Aging: From Synaptic Failure to Memory Loss. , 0, , .		7
81	Valosin-Containing Protein, a Calcium-Associated ATPase Protein, in Endoplasmic Reticulum and Mitochondrial Function and Its Implications for Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3842.	4.1	29
82	Pharmacological Activity, Pharmacokinetics, and Toxicity of Timosaponin AIII, a Natural Product Isolated From <i>Anemarrhena asphodeloides</i> Bunge: A Review. <i>Frontiers in Pharmacology</i> , 2020, 11, 764.	3.5	30
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84	Sex differences in redox homeostasis in renal disease. <i>Redox Biology</i> , 2020, 31, 101489.	9.0	17
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90	Ginsenoside Rg1 ameliorates glomerular fibrosis during kidney aging by inhibiting NOX4 and NLRP3 inflammasome activation in SAMP8 mice. <i>International Immunopharmacology</i> , 2020, 82, 106339.	3.8	28
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#	ARTICLE	IF	CITATIONS
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93	Putative Biomarkers for Malignant Pleural Mesothelioma Suggested by Proteomic Analysis of Cell Secretome. <i>Cancer Genomics and Proteomics</i> , 2020, 17, 225-236.	2.0	15
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98	Inflammasome Activation in Pollution-Induced Skin Conditions. <i>Plastic and Reconstructive Surgery</i> , 2021, 147, 15S-24S.	1.4	21
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108	Protein intake and loss of proteostasis in the elderly. <i>Ukrainian Biochemical Journal</i> , 2021, 93, 30-39.	0.5	0
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#	ARTICLE	IF	CITATIONS
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113	Antioxidant-Based Therapies in Male Infertility: Do We Have Sufficient Evidence Supporting Their Effectiveness?. <i>Antioxidants</i> , 2021, 10, 220.	5.1	12
114	From Mitochondria to Atherosclerosis: The Inflammation Path. <i>Biomedicines</i> , 2021, 9, 258.	3.2	32
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123	Podophyllotoxin Exposure Affects Organelle Distribution and Functions in Mouse Oocyte Meiosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 672590.	3.7	2
124	From Metabolism to Genetics and Vice Versa: The Rising Role of Oncometabolites in Cancer Development and Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5574.	4.1	6
125	Gold Nanoparticles Prepared with <i>Phyllanthus emblica</i> Fruit Extract and <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> Can Induce Apoptosis via Mitochondrial Impairment with Inhibition of Autophagy in the Human Gastric Carcinoma Cell Line AGS. <i>Nanomaterials</i> , 2021, 11, 1260.	4.1	18
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135	Phenolic acid metabolites of polyphenols act as inductors for hormesis in <i>C. elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111518.	4.6	18
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144	Sulforaphane and mitochondria. , 2021, , 233-246.		1
145	Skeletal Muscle Aging Atrophy: Assessment and Exercise-Based Treatment. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1260, 123-158.	1.6	12
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#	ARTICLE	IF	CITATIONS
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150	<i>Litopenaeus vannamei</i> hemocyanin exhibits antitumor activity in S180 mouse model in vivo. <i>PLoS ONE</i> , 2017, 12, e0183783.	2.5	18
151	Combination of low-dose testosterone and vildagliptin confers cardioprotection in castrated obese rats. <i>Journal of Endocrinology</i> , 2019, 240, 467-481.	2.6	9
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