

# The Role of Mitochondria in Reactive Oxygen Species G Neurodegenerative Diseases

Cells

7, 274

DOI: [10.3390/cells7120274](https://doi.org/10.3390/cells7120274)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Mitochondria in Health and Disease. <i>Cells</i> , 2019, 8, 680.	1.8	294
2	Assessment of Mitochondrial Dysfunction in Experimental Autoimmune Encephalomyelitis (EAE) Models of Multiple Sclerosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4975.	1.8	14
3	Effect of trehalose on manganese-induced mitochondrial dysfunction and neuronal cell damage in mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 125, 536-547.	1.2	21
4	Modulation of Apoptotic Cell Death and Neuroprotective Effects of Glutathione-L-Dopa Codrug Against H2O2-Induced Cellular Toxicity. <i>Antioxidants</i> , 2019, 8, 319.	2.2	6
5	Neuronal Cells Rearrangement During Aging and Neurodegenerative Disease: Metabolism, Oxidative Stress and Organelles Dynamic. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 132.	1.4	148
6	Advances in Targeting the Epidermal Growth Factor Receptor Pathway by Synthetic Products and Its Regulation by Epigenetic Modulators As a Therapy for Glioblastoma. <i>Cells</i> , 2019, 8, 350.	1.8	26
7	The biological role of peroxiredoxins in innate immune responses of aquatic invertebrates. <i>Fish and Shellfish Immunology</i> , 2019, 89, 91-97.	1.6	41
8	Recent progress in the augmentation of reactive species with nanoplatoms for cancer therapy. <i>Nanoscale</i> , 2019, 11, 19658-19683.	2.8	90
9	Light and sound to trigger the Pandora's box against breast cancer: A combination strategy of sonodynamic, photodynamic and photothermal therapies. <i>Biomaterials</i> , 2020, 232, 119685.	5.7	54
10	The hunt for radiation biomarkers: current situation. <i>International Journal of Radiation Biology</i> , 2020, 96, 370-382.	1.0	24
11	Caspase inhibition rescues F1Fo ATP synthase dysfunction-mediated dendritic spine elimination. <i>Scientific Reports</i> , 2020, 10, 17589.	1.6	7
12	Metabolic Dysregulation Contributes to the Progression of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 530219.	1.4	94
13	Behavioral Tests in Neurotoxin-Induced Animal Models of Parkinson's Disease. <i>Antioxidants</i> , 2020, 9, 1007.	2.2	43
14	The Role of Oxidative Stress in Parkinson's Disease. <i>Antioxidants</i> , 2020, 9, 597.	2.2	130
15	Physiological Functions of Mitochondrial Reactive Oxygen Species. , 2020, , .		5
16	Cardiometabolic risk factors are associated with immune cell mitochondrial respiration in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H481-H487.	1.5	10
17	Oxidative Stress in Amyotrophic Lateral Sclerosis: Pathophysiology and Opportunities for Pharmacological Intervention. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-29.	1.9	77
18	Anaerobic Glycolysis and Glycogenolysis do not Release Protons and do not Cause Acidosis. <i>Current Metabolomics and Systems Biology</i> , 2020, 7, 6-10.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Antioxidant and Anti-inflammatory Effect of Nrf2 Inducer Dimethyl Fumarate in Neurodegenerative Diseases. <i>Antioxidants</i> , 2020, 9, 630.	2.2	62
20	MEKK3-MEK5-ERK5 signaling promotes mitochondrial degradation. <i>Cell Death Discovery</i> , 2020, 6, 107.	2.0	4
21	Evidence that Oxidative Disbalance and Mitochondrial Dysfunction are Involved in the Pathophysiology of Fatty Acid Oxidation Disorders. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 521-532.	1.7	23
22	Impact of Exercise on Immunometabolism in Multiple Sclerosis. <i>Journal of Clinical Medicine</i> , 2020, 9, 3038.	1.0	14
23	Molecular and Cellular Mechanisms Affected in ALS. <i>Journal of Personalized Medicine</i> , 2020, 10, 101.	1.1	79
24	Emendation of autophagic dysfunction in neurological disorders: a potential therapeutic target. <i>International Journal of Neuroscience</i> , 2022, 132, 466-482.	0.8	6
25	Ginsenosides attenuate bioenergetics and morphology of mitochondria in cultured PC12 cells under the insult of amyloid beta-peptide. <i>Journal of Ginseng Research</i> , 2020, 45, 473-481.	3.0	15
26	Synthetic Secoisolariciresinol Diglucoside Attenuates Established Pain, Oxidative Stress and Neuroinflammation in a Rodent Model of Painful Radiculopathy. <i>Antioxidants</i> , 2020, 9, 1209.	2.2	7
27	Induced pluripotent stem cells (iPSCs) as game-changing tools in the treatment of neurodegenerative disease: Mirage or reality?. <i>Journal of Cellular Physiology</i> , 2020, 235, 9166-9184.	2.0	9
28	Sinapine, but not sinapic acid, counteracts mitochondrial oxidative stress in cardiomyocytes. <i>Redox Biology</i> , 2020, 34, 101554.	3.9	33
29	Perinuclear mitochondrial clustering, increased ROS levels, and HIF1 are required for the activation of HSF1 by heat stress. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	40
30	The interplay between oxidative stress and bioenergetic failure in neuropsychiatric illnesses: can we explain it and can we treat it?. <i>Molecular Biology Reports</i> , 2020, 47, 5587-5620.	1.0	29
31	Tooth loss early in life induces hippocampal morphology remodeling in senescence-accelerated mouse prone 8 (SAMP8) mice. <i>International Journal of Medical Sciences</i> , 2020, 17, 517-524.	1.1	14
32	Toxic Effects of Urethane Dimethacrylate on Macrophages Through Caspase Activation, Mitochondrial Dysfunction, and Reactive Oxygen Species Generation. <i>Polymers</i> , 2020, 12, 1398.	2.0	16
33	Abamectin induces cytotoxicity via the ROS, JNK, and ATM/ATR pathways. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13726-13734.	2.7	13
34	Mitoepigenetics and Its Emerging Roles in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 4.	1.8	34
35	Mitochondrial DNA: A Key Regulator of Anti-Microbial Innate Immunity. <i>Genes</i> , 2020, 11, 86.	1.0	21
36	Interplay Between Mitochondrial Oxidative Disorders and Proteostasis in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 1444.	1.4	55

#	ARTICLE	IF	CITATIONS
37	Modulation of Mitochondrial Metabolic Reprogramming and Oxidative Stress to Overcome Chemoresistance in Cancer. <i>Biomolecules</i> , 2020, 10, 135.	1.8	43
38	Increased Protein S-Glutathionylation in Leber's Hereditary Optic Neuropathy (LHON). <i>International Journal of Molecular Sciences</i> , 2020, 21, 3027.	1.8	8
39	Role of the ERO1-PDI interaction in oxidative protein folding and disease. , 2020, 210, 107525.		77
40	Refocusing the Brain: New Approaches in Neuroprotection Against Ischemic Injury. <i>Neurochemical Research</i> , 2021, 46, 51-63.	1.6	13
41	PPAR $\beta$ /PGC1 $\alpha$ signaling as a potential therapeutic target for mitochondrial biogenesis in neurodegenerative disorders. , 2021, 219, 107705.		77
42	Mediators of mitophagy that regulate mitochondrial quality control play crucial role in diverse pathophysiology. <i>Cell Biology and Toxicology</i> , 2021, 37, 333-366.	2.4	14
43	Reactive oxygen and nitrogen species and innate immune response. <i>Biochimie</i> , 2021, 181, 52-64.	1.3	44
44	Mitochondrial Protein Import Dysfunction in Pathogenesis of Neurodegenerative Diseases. <i>Molecular Neurobiology</i> , 2021, 58, 1418-1437.	1.9	11
45	Sevoflurane increases intracellular calcium to induce mitochondrial injury and neuroapoptosis. <i>Toxicology Letters</i> , 2021, 336, 11-20.	0.4	29
46	Importance of lipids for upper motor neuron health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2021, 112, 92-104.	2.3	3
47	Multiple Mechanisms Regulate Eukaryotic Cytochrome C Oxidase. <i>Cells</i> , 2021, 10, 514.	1.8	20
48	Concepts of Neuroinflammation and Their Relationship With Impaired Mitochondrial Functions in Bipolar Disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 609487.	1.0	16
49	Mitochondriopathies as a Clue to Systemic Disorders—Analytical Tools and Mitigating Measures in Context of Predictive, Preventive, and Personalized (3P) Medicine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2007.	1.8	29
50	Lycopene Improves In Vitro Development of Porcine Embryos by Reducing Oxidative Stress and Apoptosis. <i>Antioxidants</i> , 2021, 10, 230.	2.2	15
51	The mechanism and prevention of mitochondrial injury after exercise. <i>Journal of Physiology and Biochemistry</i> , 2021, 77, 215-225.	1.3	4
52	Oxidative stress and impaired oligodendrocyte precursor cell differentiation in neurological disorders. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4615-4637.	2.4	85
53	Neurotherapeutic Effect of <i>Inula britannica</i> var. <i>Chinensis</i> against H <sub>2</sub> O <sub>2</sub> -Induced Oxidative Stress and Mitochondrial Dysfunction in Cortical Neurons. <i>Antioxidants</i> , 2021, 10, 375.	2.2	6
54	PINK1: A Bridge between Mitochondria and Parkinson's Disease. <i>Life</i> , 2021, 11, 371.	1.1	20

#	ARTICLE	IF	CITATIONS
56	Long-Term Exposure of Alcohol Induced Behavioral Impairments and Oxidative Stress in the Brain Mitochondria and Synaptosomes of Adult Zebrafish. <i>Zebrafish</i> , 2021, 18, 110-124.	0.5	3
57	Changes in Drp1 Function and Mitochondrial Morphology Are Associated with the $\alpha$ -Synuclein Pathology in a Transgenic Mouse Model of Parkinson's Disease. <i>Cells</i> , 2021, 10, 885.	1.8	27
58	Oral Codelivery of WR-1065 Using Curcumin-Linked ROS-Sensitive Nanoparticles for Synergistic Radioprotection. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2496-2507.	2.6	9
59	Mitochondrial function is impaired in the primary visual cortex in an experimental glaucoma model. <i>Archives of Biochemistry and Biophysics</i> , 2021, 701, 108815.	1.4	9
60	In Vivo/Ex Vivo EPR Investigation of the Brain Redox Status and Blood-Brain Barrier Integrity in the 5xFAD Mouse Model of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2021, 18, 25-34.	0.7	3
61	The Multifaceted Roles of Zinc in Neuronal Mitochondrial Dysfunction. <i>Biomedicines</i> , 2021, 9, 489.	1.4	19
62	A review on ferulic acid and analogs based scaffolds for the management of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113278.	2.6	58
63	Adiponectin: a potential target for obesity-associated Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2021, 36, 1565-1572.	1.4	10
64	Mushroom Nutrition as Preventative Healthcare in Sub-Saharan Africa. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4221.	1.3	15
65	Mitochondrial dysfunction and traffic jams in amyotrophic lateral sclerosis. <i>Mitochondrion</i> , 2021, 58, 102-110.	1.6	11
66	Transcriptional Profiling of Aflatoxin B1-Induced Oxidative Stress and Inflammatory Response in Macrophages. <i>Toxins</i> , 2021, 13, 401.	1.5	30
67	Elucidation of the liver proteome in response to an antioxidant intake in rabbits. <i>Egyptian Liver Journal</i> , 2021, 11, .	0.3	2
68	Mitochondrial genetic variation in human bioenergetics, adaptation, and adult disease. <i>American Journal of Human Biology</i> , 2021, , e23629.	0.8	1
69	Site-Specific Biomimicry of Antioxidative Melanin Formation and Its Application for Acute Liver Injury Therapy and Imaging. <i>Advanced Materials</i> , 2021, 33, e2102391.	11.1	38
70	Au Nanoclusters Ameliorate Shigella Infectious Colitis by Inducing Oxidative Stress. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 4545-4557.	3.3	8
71	Stressed mitochondria: A target to intrude Alzheimer's disease. <i>Mitochondrion</i> , 2021, 59, 48-57.	1.6	29
72	Oxidative Stress, Mitochondrial Dysfunction, and Neuroprotection of Polyphenols with Respect to Resveratrol in Parkinson's Disease. <i>Biomedicines</i> , 2021, 9, 918.	1.4	46
73	Loss of vacuolar-type H <sup>+</sup> -ATPase induces caspase-independent necrosis-like death of hair cells in zebrafish neuromasts. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	4

#	ARTICLE	IF	CITATIONS
74	Conjugated linoleic acid protects brain mitochondrial function in acrolein induced male rats. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 674-679.	1.3	7
75	Codonopsis pilosula Polysaccharides Alleviate A $\beta$ 1-40-Induced PC12 Cells Energy Dysmetabolism via CD38/NAD <sup>+</sup> Signaling Pathway. <i>Current Alzheimer Research</i> , 2021, 18, 208-221.	0.7	11
76	Allele-specific mitochondrial stress induced by Multiple Mitochondrial Dysfunctions Syndrome 1 pathogenic mutations modeled in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2021, 17, e1009771.	1.5	7
77	<i>Plasmodium vivax</i> Infection Alters Mitochondrial Metabolism in Human Monocytes. <i>MBio</i> , 2021, 12, e0124721.	1.8	4
78	Sirtuins as Potential Therapeutic Targets for Mitigating Neuroinflammation Associated With Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 746631.	1.8	20
79	Cannabinoid receptor 2 selective agonists and Alzheimer's disease: An insight into the therapeutic potentials. <i>Journal of Neuroscience Research</i> , 2021, 99, 2888-2905.	1.3	9
80	Inhibition of extracellular regulated kinase (ERK)-1/2 signaling pathway in the prevention of ALS: Target inhibitors and influences on neurological dysfunctions. <i>European Journal of Cell Biology</i> , 2021, 100, 151179.	1.6	12
81	A multisite-binding fluorescent probe for simultaneous monitoring of mitochondrial homocysteine, cysteine and glutathione in live cells and zebrafish. <i>Chinese Chemical Letters</i> , 2022, 33, 1609-1612.	4.8	20
82	Astaxanthin prevents mitochondrial impairment in the dopaminergic SH-SY5Y cell line exposed to glutamate-mediated excitotoxicity: Role for the Nrf2/HO-1/CO-BR axis. <i>European Journal of Pharmacology</i> , 2021, 908, 174336.	1.7	10
83	Aerobic training associated with an active lifestyle exerts a protective effect against oxidative damage in hypothalamus and liver: The involvement of energy metabolism. <i>Brain Research Bulletin</i> , 2021, 175, 116-129.	1.4	4
84	Low peripheral mitochondrial DNA copy number during manic episodes of bipolar disorders is associated with disease severity and inflammation. <i>Brain, Behavior, and Immunity</i> , 2021, 98, 349-356.	2.0	17
85	Pathobiology of frailty in lung disease. <i>Translational Research</i> , 2020, 221, 1-22.	2.2	13
86	Oxaloacetate Mediates Mitochondrial Metabolism and Function. <i>Current Metabolomics and Systems Biology</i> , 2020, 7, 11-23.	0.6	5
87	Mitochondrial dysfunction and pancreatic islet $\beta$ -cell failure (Review). <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	0.8	22
88	Melatonin elicits protective effects on OGD/R-insulted H9c2 cells by activating PGC $\alpha$ 1 $\pm$ /Nrf2 signaling. <i>International Journal of Molecular Medicine</i> , 2020, 45, 1294-1304.	1.8	12
89	Telomerase and telomeres in aging theory and chronographic aging theory (Review). <i>Molecular Medicine Reports</i> , 2020, 22, 1679-1694.	1.1	35
90	Selective brain hypothermia-induced neuroprotection against focal cerebral ischemia/reperfusion injury is associated with Fis1 inhibition. <i>Neural Regeneration Research</i> , 2020, 15, 903.	1.6	12
91	Role of SIRT3 and in Neurodegeneration. <i>Neuromethods</i> , 2022, , 99-120.	0.2	0

#	ARTICLE	IF	CITATIONS
92	Identification of Biochemical and Molecular Markers of Early Aging in Childhood Cancer Survivors. <i>Cancers</i> , 2021, 13, 5214.	1.7	5
93	SIRT3 and Metabolic Reprogramming Mediate the Antiproliferative Effects of Whey in Human Colon Cancer Cells. <i>Cancers</i> , 2021, 13, 5196.	1.7	10
95	Free radical oxidation in liver mitochondria of tumor-bearing rats and its correction by essential lipophilic nutrients. <i>Ukrainian Biochemical Journal</i> , 2020, 92, 127-134.	0.1	3
97	Insights into the Pathogenesis of Neurodegenerative Diseases: Focus on Mitochondrial Dysfunction and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11847.	1.8	49
98	OXIDATIVE STRESS AND MITOCHONDRIAL DYSFUNCTION. <i>News of the National Academy of Sciences of the Republic of Kazakhstan Series of Biological and Medical</i> , 2020, 2, 31-40.	0.0	0
99	Therapeutic potential of against the A $\beta$ -induced oxidative stress and mitochondrial dysfunction in the rats. <i>American Journal of Neurodegenerative Disease</i> , 2021, 10, 13-27.	0.1	1
100	Targeting Mitochondria by Plant Secondary Metabolites: A Promising Strategy in Combating Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12570.	1.8	7
101	Mitochondrial Dynamics and Mitochondria-Lysosome Contacts in Neurogenetic Diseases. <i>Frontiers in Neuroscience</i> , 2022, 16, 784880.	1.4	8
102	Disrupted expression of mitochondrial NCLX sensitizes neuroglial networks to excitotoxic stimuli and renders synaptic activity toxic. <i>Journal of Biological Chemistry</i> , 2022, 298, 101508.	1.6	9
103	ROS-Induced Cancers. , 2022, , 1-19.		0
104	Therapeutic Interventions to Mitigate Mitochondrial Dysfunction and Oxidative Stress-Induced Damage in Patients with Bipolar Disorder. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1844.	1.8	27
105	Kidney-Targeted Renalase Agonist Prevents Cisplatin-Induced Chronic Kidney Disease by Inhibiting Regulated Necrosis and Inflammation. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 342-356.	3.0	26
106	Molecular Mechanisms and Regulation of Mammalian Mitophagy. <i>Cells</i> , 2022, 11, 38.	1.8	45
108	Role of Plant Secondary Metabolites in Metabolic Disorders. , 2022, , 241-280.		2
110	Dietary Plant Polyphenols as the Potential Drugs in Neurodegenerative Diseases: Current Evidence, Advances, and Opportunities. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-40.	1.9	36
111	The Potential Role of Peripheral Oxidative Stress on the Neurovascular Unit in Amyotrophic Lateral Sclerosis Pathogenesis: A Preliminary Report from Human and In Vitro Evaluations. <i>Biomedicines</i> , 2022, 10, 691.	1.4	8
112	Examining the role of mitochondrial genetic variation in nicotine dependence. <i>Psychiatry Research</i> , 2022, 310, 114452.	1.7	0
113	Genome Integrity and Neurological Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4142.	1.8	6

#	ARTICLE	IF	CITATIONS
114	The pathogenesis of amyotrophic lateral sclerosis: Mitochondrial dysfunction, protein misfolding and epigenetics. <i>Brain Research</i> , 2022, 1786, 147904.	1.1	7
115	Targeting the Interplay between Cancer Metabolic Reprogramming and Cell Death Pathways as a Viable Therapeutic Path. <i>Biomedicines</i> , 2021, 9, 1942.	1.4	7
116	Impact of cancer metabolism on therapy resistance – Clinical implications. <i>Drug Resistance Updates</i> , 2021, 59, 100797.	6.5	43
117	Mitochondrial support and local translation of mitochondrial proteins in synaptic plasticity and function. <i>Histology and Histopathology</i> , 2021, , 18345.	0.5	1
118	The Role of PKM2 in the Regulation of Mitochondrial Function: Focus on Mitochondrial Metabolism, Oxidative Stress, Dynamic, and Apoptosis. <i>PKM2 in Mitochondrial Function. Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-9.	1.9	13
119	Current perspectives on mitochondrial dysfunction in migraine. <i>European Journal of Neuroscience</i> , 2022, 56, 3738-3754.	1.2	9
120	Endoplasmic Reticulum Stress and the Unfolded Protein Response in Cerebral Ischemia/Reperfusion Injury. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, .	1.8	23
121	The role of mitochondrial dysfunction in Alzheimer's disease: A potential pathway to treatment. <i>Experimental Gerontology</i> , 2022, 164, 111828.	1.2	30
122	Urinary concentrations of amphenicol antibiotics in relation to biomarkers of oxidative DNA and RNA damage in school children. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 0, , 1-9.	0.9	1
123	MAPK15 protects from oxidative stress–dependent cellular senescence by inducing the mitophagic process. <i>Aging Cell</i> , 2022, 21, .	3.0	16
124	The Atomically Precise Gold/Captopril Nanocluster Au <sub>25</sub> (Capt) <sub>18</sub> Gains Anticancer Activity by Inhibiting Mitochondrial Oxidative Phosphorylation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 29521-29536.	4.0	16
125	Protein oxidation marker, $\hat{\pm}$ -amino adipic acid, impairs proteome of differentiated human enterocytes: Underlying toxicological mechanisms. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2022, 1870, 140797.	1.1	6
126	The Impact of Mitochondrial Dysfunction in Amyotrophic Lateral Sclerosis. <i>Cells</i> , 2022, 11, 2049.	1.8	28
127	The Big Picture of Neurodegeneration: A Meta Study to Extract the Essential Evidence on Neurodegenerative Diseases in a Network-Based Approach. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
128	Mycophenolic Acid Induces the Intestinal Epithelial Barrier Damage through Mitochondrial ROS. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	1.9	5
129	Systematic review of mitochondrial genetic variation in attention-deficit/hyperactivity disorder. <i>European Child and Adolescent Psychiatry</i> , 0, , .	2.8	2
130	Crosslink between mutations in mitochondrial genes and brain disorders: implications for mitochondrial-targeted therapeutic interventions. <i>Neural Regeneration Research</i> , 2023, 18, 94.	1.6	7
131	Keeping the beat against time: Mitochondrial fitness in the aging heart. <i>Frontiers in Aging</i> , 0, 3, .	1.2	4



#	ARTICLE	IF	CITATIONS
132	Sirtuins promote brain homeostasis, preventing Alzheimer's disease through targeting neuroinflammation. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	8
133	Exploring marine resources against neurological disorders—the neuroprotective and anti-inflammatory potential of the brown seaweed <i>Bifurcaria bifurcata</i> . <i>Journal of Applied Phycology</i> , 0, , .	1.5	0
134	Oxidative Stress in Amyotrophic Lateral Sclerosis: Synergy of Genetic and Environmental Factors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9339.	1.8	15
135	Warm acclimation alters antioxidant defences but not metabolic capacities in the Antarctic fish, <i>Notothenia coriiceps</i> . , 2022, 10, .		4
136	ROS-Induced Cancers. , 2022, , 2615-2633.		0
137	Superoxide dismutase 2 ameliorates mitochondrial dysfunction in skin fibroblasts of Leber's hereditary optic neuropathy patients. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	2
138	Boosting Mitochondrial Potential: An Imperative Therapeutic Intervention in Amyotrophic Lateral Sclerosis. <i>Current Neuropharmacology</i> , 2023, 21, 1117-1138.	1.4	4
139	Mitochondrial dysfunction in microglia: a novel perspective for pathogenesis of Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	25
140	A Novel Ketone-Supplemented Diet Improves Recognition Memory and Hippocampal Mitochondrial Efficiency in Healthy Adult Mice. <i>Metabolites</i> , 2022, 12, 1019.	1.3	9
141	Modeling Reactive Oxygen Species-Induced Axonal Loss in Leber Hereditary Optic Neuropathy. <i>Biomolecules</i> , 2022, 12, 1411.	1.8	4
142	Mitochondria and sensory processing in inflammatory and neuropathic pain. <i>Frontiers in Pain Research</i> , 0, 3, .	0.9	9
143	<i>Caenorhabditis elegans</i> as a Model for the Effects of Phytochemicals on Mitochondria and Aging. <i>Biomolecules</i> , 2022, 12, 1550.	1.8	1
144	Guanidine-based Î² amyloid precursor protein cleavage enzyme 1 (BACE-1) inhibitors for the Alzheimer's disease (AD): A review. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 74, 117047.	1.4	11
145	Novel therapeutic strategies targeting mitochondria as a gateway in neurodegeneration. <i>Neural Regeneration Research</i> , 2023, 18, 991.	1.6	9
146	Mitochondrial dysfunctions, oxidative stress and neuroinflammation as therapeutic targets for neurodegenerative diseases: An update on current advances and impediments. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 144, 104961.	2.9	28
147	Ultrathin Zinc Selenide Nanoplatelets Boosting Photoacoustic Imaging of <i>In Situ</i> Copper Exchange in Alzheimer's Disease Mice. <i>ACS Nano</i> , 2022, 16, 19053-19066.	7.3	13
148	SIRT3 activation promotes enteric neurons survival and differentiation. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
149	Specific Nutritional Therapeutic Approaches Targeting Iron Overload and Other Hallmarks of Brain Degenerative Diseases. , 2023, , 45-68.		0

#	ARTICLE	IF	CITATIONS
150	Ellagic Acid Triggers the Necrosis of Differentiated Human Enterocytes Exposed to 3-Nitro-Tyrosine: An MS-Based Proteomic Study. <i>Antioxidants</i> , 2022, 11, 2485.	2.2	1
151	The Interplay between Iron and Oxidative Stress in Brain Neurodegenerative Diseases. , 2023, , 23-43.		1
152	Oxidative Stress and Air Pollution: Its Impact on Chronic Respiratory Diseases. <i>International Journal of Molecular Sciences</i> , 2023, 24, 853.	1.8	9
153	Global Trends in Research of Mitochondrial Biogenesis over past 20 Years: A Bibliometric Analysis. <i>Oxidative Medicine and Cellular Longevity</i> , 2023, 2023, 1-17.	1.9	3
154	Activity of Microbial-Derived Phenolic Acids and Their Conjugates against LPS-Induced Damage in Neuroblastoma Cells and Macrophages. <i>Metabolites</i> , 2023, 13, 108.	1.3	4
155	ROS scavenging carbon dots chelated hydroxyapatite filler: Target synthesis and enhancing adhesion of hydrogel. <i>Composites Communications</i> , 2023, 38, 101488.	3.3	1
156	Ipconazole Disrupts Mitochondrial Homeostasis and Alters GABAergic Neuronal Development in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2023, 24, 496.	1.8	2
157	From Dysbiosis to Neurodegenerative Diseases through Different Communication Pathways: An Overview. <i>Biology</i> , 2023, 12, 195.	1.3	8
158	Mitochondrial Modulators: The Defender. <i>Biomolecules</i> , 2023, 13, 226.	1.8	6
159	Evolving markers in amyotrophic lateral sclerosis. <i>Advances in Clinical Chemistry</i> , 2023, , .	1.8	0
160	Mediterranean diet and mitochondria: New findings. <i>Experimental Gerontology</i> , 2023, 176, 112165.	1.2	5
161	Crosstalk between Oxidative Stress and Aging in Neurodegeneration Disorders. <i>Cells</i> , 2023, 12, 753.	1.8	7
162	Ferroptosis open a new door for colorectal cancer treatment. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	8
163	A study of survival strategies for improving acclimatization of lowlanders at high-altitude. <i>Heliyon</i> , 2023, 9, e14929.	1.4	2
164	Research progress on the mitochondrial mechanism of age-related non-alcoholic fatty liver. <i>World Journal of Gastroenterology</i> , 0, 29, 1982-1993.	1.4	3
165	Review on marine collagen peptides induce cancer cell apoptosis, necrosis, and autophagy by reducing oxidized free radicals. <i>Biocell</i> , 2023, 47, 965-975.	0.4	1
186	Multifaceted roles of mitochondrial dysfunction in diseases: from powerhouses to saboteurs. <i>Archives of Pharmacal Research</i> , 2023, 46, 723-743.	2.7	0
193	Plate-Based Assays for the Characterization of Mitochondrial and Cellular Phenotypes. <i>Methods in Molecular Biology</i> , 2024, , 1-20.	0.4	0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------