CITATION REPORT List of articles citing

Mitochondrial dysfunction and oxidative stress in neurodegenerative diseases

DOI: 10.1038/nature05292 Nature, 2006, 443, 787-95.

Source: https://exaly.com/paper-pdf/39683018/citation-report.pdf

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper IF	Citations
2216	PGC-1alpha, a new therapeutic target in Huntington's disease?. 2006 , 127, 465-8	114
2215	Mitochondrial swelling impairs the transport of organelles in cerebellar granule neurons. 2007, 282, 32821-6	39
2214	Maternal family history of Alzheimer's disease predisposes to reduced brain glucose metabolism. 2007 , 104, 19067-72	187
2213	Cytochrome c oxidase deficiency in neurons decreases both oxidative stress and amyloid formation in a mouse model of Alzheimer's disease. 2007 , 104, 14163-8	138
2212	Spare respiratory capacity rather than oxidative stress regulates glutamate excitotoxicity after partial respiratory inhibition of mitochondrial complex I with rotenone. 2007 , 27, 7310-7	230
2211	S-nitrosylation of peroxiredoxin 2 promotes oxidative stress-induced neuronal cell death in Parkinson's disease. 2007 , 104, 18742-7	201
2210	Inhibition of ataxia telangiectasia-p53-E2F-1 pathway in neurons as a target for the prevention of neuronal apoptosis. 2007 , 8, 709-15	20
2209	Estradiol in vivo regulation of brain mitochondrial proteome. 2007 , 27, 14069-77	134
2208	Evolution, atmospheric oxygen, and complex disease. 2007 , 30, 205-8	6
2207	Mitochondrial biology and disease in Dictyostelium. 2007 , 263, 207-52	28
2206	PrWention von Krankheiten und Steigerung der Lebenserwartung durch Kalorienrestriktion. 2007 , 32, 104-109	1
2205	A variant of mitochondrial protein LOC387715/ARMS2, not HTRA1, is strongly associated with age-related macular degeneration. 2007 , 104, 16227-32	356
2204	Parkinson's disease. 2007 , 16 Spec No. 2, R183-94	612
2203	The Parkinson's disease gene DJ-1 is also a key regulator of stroke-induced damage. 2007 , 104, 18748-53	132
2202	Inflammatory mediators leading to protein misfolding and uncompetitive/fast off-rate drug therapy for neurodegenerative disorders. 2007 , 82, 1-27	48
2201	Mono- and double-mutant mouse models of Parkinson's disease display severe mitochondrial damage. 2007 , 16, 2377-93	144
2200	Polyglutamine diseases: emerging concepts in pathogenesis and therapy. 2007 , 16 Spec No. 2, R115-23	204

2199	Advances in our Understanding of Neurodegeneration. 2007 , 1-58	3
2198	Developing a neuroprotective therapy for Parkinson and Huntington diseases. 2007, 17, 159-172	1
2197	Mitochondrial Medicine: The Central Role of Cellular Energetic Depression and Mitochondria in Cell Pathophysiology. 479-520	3
2196	Mitochondrial dysfunction: impact on exercise performance and cellular aging. 2007, 35, 43-9	46
2195	Glaucoma as a neurodegenerative disease. 2007 , 18, 110-4	237
2194	Mitochondrial disorders. 2007, 20, 564-71	101
2193	Mitochondrial dysfunction and age. 2007 , 10, 688-92	82
2192	Oxidative stress and wasting in cancer. 2007 , 10, 449-56	53
2191	Apoptosis-inducing factor deficiency induces early mitochondrial degeneration in brain followed by progressive multifocal neuropathology. 2007 , 66, 838-47	35
2190	Alzheimer∄ disease therapy: focus on synapses. 2007 , 2, 469-470	
2189	Mitochondrial translocation of amyloid precursor protein and its cleaved products: relevance to mitochondrial dysfunction in Alzheimer's disease. 2007 , 18, 343-54	13
2188	What changes can we expect in the brain of glaucoma patients?. 2007 , 52 Suppl 2, S122-6	51
2187	Mitochondrial dysfunction precedes neurodegeneration in mahogunin (Mgrn1) mutant mice. 2007 , 28, 1840-52	35
2186	Mitochondrial dysfunction: the first domino in brain aging and Alzheimer's disease?. 2007 , 9, 1659-75	160
2185	Pharmacological inhibition of PARP-1 reduces alpha-synuclein- and MPP+-induced cytotoxicity in Parkinson's disease in vitro models. 2007 , 357, 596-602	60
2184	Effects of VDAC isoforms on CuZn-superoxide dismutase activity in the intermembrane space of Saccharomyces cerevisiae mitochondria. 2007 , 357, 1065-70	15
2183	Neuroinflammatory mechanisms in Parkinson's disease: potential environmental triggers, pathways, and targets for early therapeutic intervention. 2007 , 208, 1-25	397
2182	MTERF3 is a negative regulator of mammalian mtDNA transcription. 2007 , 130, 273-85	182

2181	The mitochondrial permeability transition in neurologic disease. 2007 , 50, 983-97	126
2180	The functions of UCH-L1 and its relation to neurodegenerative diseases. 2007 , 51, 105-11	219
2179	Stress on redox. 2007 , 581, 3634-40	41
2178	DNA damage, cellular senescence and organismal ageing: causal or correlative?. 2007 , 35, 7417-28	292
2177	Therapeutic strategy at the crossroad of neuroinflammation and oxidative stress in age-related neurodegenerative diseases. 2007 , 17, 419-428	2
2176	NMR investigation of the interaction between the neuronal protein tau and the microtubules. 2007 , 46, 3055-64	79
2175	Lambda Red-mediated mutagenesis and efficient large scale affinity purification of the Escherichia coli NADH:ubiquinone oxidoreductase (complex I). 2007 , 46, 10694-702	51
2174	Protein degradation within mitochondria: versatile activities of AAA proteases and other peptidases. 2007 , 42, 221-42	201
2173	Trinucleotide repeat disorders. 2007, 30, 575-621	1120
2172	Mito-DEPMPO synthesized from a novel NH2-reactive DEPMPO spin trap: a new and improved trap for the detection of superoxide. 2007 , 1083-5	45
2171	Mitochondrial Mutations and Disease. 345-416	
2170	[SIRT1/PGC-1: a neuroprotective axis?]. 2007 , 23, 840-4	20
2169	. 2007,	14
2168	Gene expression profiling induced by histone deacetylase inhibitor, FK228, in human esophageal squamous cancer cells. 2007 ,	3
2167	Alpha-phenyl-N-tert-butylnitrone-type derivatives bound to beta-cyclodextrins: syntheses, thermokinetics of self-inclusion and application to superoxide spin-trapping. 2007 , 13, 9344-54	32
2166	Evidence of thalamic dysfunction in Huntington disease by proton magnetic resonance spectroscopy. 2007 , 22, 2052-6	19
2165	Neuroprotective effects of caffeine against complex I inhibition-induced apoptosis are mediated by inhibition of the Atm/p53/E2F-1 path in cerebellar granule neurons. 2007 , 85, 3079-88	29
2164	Mechanisms of impaired mitochondrial energy metabolism in acute and chronic neurodegenerative disorders. 2007 , 85, 3407-15	89

(2007-2007)

2163	Oxidation reduces the fibrillation but not the neurotoxicity of the prion peptide PrP106-126. 2007 , 1774, 1118-27		21
2162	Design and synthesis of manganese porphyrins with tailored lipophilicity: investigation of redox properties and superoxide dismutase activity. 2007 , 15, 7066-86		96
2161	Neurophysiology: stressful pacemaking. <i>Nature</i> , 2007 , 447, 1059-60	50.4	22
2160	Earth science: silicon-enhanced core. <i>Nature</i> , 2007 , 447, 1060-1	50.4	
2159	Mitochondrial medicine: pharmacological targeting of mitochondria in disease. 2007 , 151, 1154-65		147
2158	Non-motor behavioural impairments in parkin-deficient mice. 2007 , 26, 1902-11		88
2157	Enhanced markers of oxidative stress, altered antioxidants and NADPH-oxidase activation in brains from Fragile X mental retardation 1-deficient mice, a pathological model for Fragile X syndrome. 2007 , 26, 3169-80		55
2156	Increased susceptibility to oxidative damage as a cost of accelerated somatic growth in zebra finches. 2007 , 21, 873-879		179
2155	Different gene expressions on the left and the right: a genotype/phenotype mismatch in need of attention. 2008 , 72, 2-9		15
2154	Mitochondrial dysfunction, oxidative stress, regulation of exocytosis and their relevance to neurodegenerative diseases. 2008 , 104, 298-305		98
2153	Oxidative stress and aberrant signaling in aging and cognitive decline. 2007 , 6, 361-70		411
2152	Sequestration of glyceraldehyde-3-phosphate dehydrogenase to aggregates formed by mutant huntingtin. 2007 , 39, 885-90		14
2151	Lack of extracellular superoxide dismutase (EC-SOD) in the microenvironment impacts radiation-induced changes in neurogenesis. 2007 , 42, 1133-45; discussion 1131-2		75
2150	Hypoxia affects the physiological behavior of rat cortical synaptosomes. 2007 , 42, 1749-56		11
2149	Impaired mitochondrial Ca2+ homeostasis in respiratory chain-deficient cells but efficient compensation of energetic disadvantage by enhanced anaerobic glycolysis due to low ATP steady state levels. 2007 , 313, 3076-89		48
2148	Transglutaminase 2 inhibitors and their therapeutic role in disease states. 2007 , 115, 232-45		151
2147	Caenorhabditis elegans mitochondrial mutants as an investigative tool to study human neurodegenerative diseases associated with mitochondrial dysfunction. 2007 , 2, 584-95		42
2146	Amyloid precursor protein and mitochondrial dysfunction in Alzheimer's disease. 2007 , 13, 626-38		74

2145	Delivery of drugs and macromolecules to mitochondria. 2007 , 59, 729-38	54
2144	Molecular mechanisms of nitrosative stress-mediated protein misfolding in neurodegenerative diseases. 2007 , 64, 1609-20	50
2143	Phytanic acid impairs mitochondrial respiration through protonophoric action. 2007 , 64, 3271-81	43
2142	Enzyme-catalyzed side reactions with molecular oxygen may contribute to cell signaling and neurodegenerative diseases. 2007 , 32, 871-91	41
2141	Dopaminergic agonists: possible neurorescue drugs endowed with independent and synergistic multisites of action. 2007 , 32, 1726-9	3
2140	MPP(+)-induced cytotoxicity in neuroblastoma cells: Antagonism and reversal by guanosine. 2007 , 3, 399-409	39
2139	Mitochondria and neurodegeneration. 2007 , 27, 87-104	105
2138	Huntington disease models and human neuropathology: similarities and differences. 2008, 115, 55-69	142
2137	Molecular connexions between dementia and diabetes. 2007 , 31, 1046-63	119
2136	Synaptic dysfunction in disease and following injury in the developing and adult nervous system: caveats in the choice of therapeutic intervention. 2007 , 31, 1073-87	14
2135	Mitochondrial dysfunction and oxidative stress in Parkinson's disease. 2008 , 33, 589-97	69
2134	Mitochondrial respiratory dysfunction in familiar parkinsonism associated with PINK1 mutation. 2008 , 33, 2565-74	87
2133	Apport des biomarqueurs au diagnostic de la maladie de Parkinson. 2008 , 28, 34-37	
2132	Oligomeric and fibrillar species of beta-amyloid (A beta 42) both impair mitochondrial function in P301L tau transgenic mice. 2008 , 86, 1255-67	98
2131	Mitochondrial medicine for aging and neurodegenerative diseases. 2008, 10, 291-315	161
2130	MitoP2: an integrative tool for the analysis of the mitochondrial proteome. 2008, 40, 306-15	65
2129	Molecular medicine: predicting and preventing Huntington's disease. 2008 , 29, 205-7	5
2128	Dopaminergic midbrain neurons are the prime target for mitochondrial DNA deletions. 2008 , 255, 1231-5	68

2127	Stress proteins in CNS inflammation. 2008 , 214, 267-75	39
2126	Cellular and molecular characterization of oxidative stress in olfactory epithelium of Harlequin mutant mouse. 2008 , 86, 165-82	10
2125	Novel lipoxygenase inhibitors as neuroprotective reagents. 2008 , 86, 904-9	67
2124	MnSOD deficiency has a differential effect on disease progression in two different ALS mutant mouse models. 2008 , 38, 1173-83	23
2123	Mitochondria as the target for mildronate's protective effects in azidothymidine (AZT)-induced toxicity of isolated rat liver mitochondria. 2008 , 26, 620-31	19
2122	Life cell quantification of mitochondrial membrane potential at the single organelle level. 2008, 73, 129-38	61
2121	Steroid and thyroid hormone receptors in mitochondria. 2008 , 60, 210-23	85
2120	Trichloroethylene: Parkinsonism and complex 1 mitochondrial neurotoxicity. 2008 , 63, 184-92	136
2119	The role of autophagy-lysosome pathway in neurodegeneration associated with Parkinson's disease. 2008 , 131, 1969-78	427
2118	Modeling of cellular metabolism and microcirculatory transport. 2008 , 15, 777-93	14
2117	Native-DIGE: a new look at the mitochondrial membrane proteome. 2008, 3, 817-22	16
2116	Molecular mechanisms and potential clinical significance of S-glutathionylation. 2008, 10, 445-73	245
2115	Development of mitochondria-targeted aromatic-cationic peptides for neurodegenerative diseases. 2008 , 1147, 112-21	73
2114	The role of mitochondria in reactive oxygen species metabolism and signaling. 2008, 1147, 37-52	518
2113	Screening for the metabolic basis of neurodegeneration: developing a focused proteomic approach. 2008 , 1147, 348-57	5
2112	Mitochondrial approaches for neuroprotection. 2008, 1147, 395-412	189
2111	Impairing the mitochondrial fission and fusion balance: a new mechanism of neurodegeneration. 2008 , 1147, 283-92	174
2110	Mitochondrial drug delivery systems for macromolecule and their therapeutic application to mitochondrial diseases. 2008 , 60, 1439-62	189

2109	Monitoring oxidative and nitrative modification of cellular proteins; a paradigm for identifying key disease related markers of oxidative stress. 2008 , 60, 1497-503	33
2108	Estrogen regulation of glucose metabolism and mitochondrial function: therapeutic implications for prevention of Alzheimer's disease. 2008 , 60, 1504-11	107
2107	Brain gene expression correlates with changes in behavior in the R6/1 mouse model of Huntington's disease. 2008 , 7, 288-99	50
2106	Mitochondrial fragmentation in neurodegeneration. 2008 , 9, 505-18	715
2105	Age-related macular degeneration is associated with an unstable ARMS2 (LOC387715) mRNA. 2008 , 40, 892-6	320
2104	Analysis of mitochondrial function in situ in permeabilized muscle fibers, tissues and cells. 2008 , 3, 965-76	551
2103	Quality control of mitochondria: protection against neurodegeneration and ageing. 2008, 27, 306-14	413
2102	No evidence of association between frontotemporal dementia and major European mtDNA haplogroups. 2008 , 15, 1006-8	6
2 101	Atorvastatin attenuates mitochondrial toxin-induced striatal degeneration, with decreasing iNOS/c-Jun levels and activating ERK/Akt pathways. 2008 , 104, 1190-200	27
2100	Programmed cell death and new discoveries in the genetics of parkinsonism. 2008 , 104, 875-90	30
2099	Complex I specific increase in superoxide formation and respiration rate by PrP-null mouse brain mitochondria. 2008 , 105, 177-91	16
2098	Excitotoxic damage, disrupted energy metabolism, and oxidative stress in the rat brain: antioxidant and neuroprotective effects of L-carnitine. 2008 , 105, 677-89	93
2097	Biochemical aspects of the neuroprotective mechanism of PTEN-induced kinase-1 (PINK1). 2008 , 105, 18-33	78
2096	Light affects mitochondria to cause apoptosis to cultured cells: possible relevance to ganglion cell death in certain optic neuropathies. 2008 , 105, 2013-28	91
2095	PPAR: a therapeutic target in Parkinson's disease. 2008 , 106, 506-18	129
2094	Changes in endoplasmic reticulum stress proteins and aldolase A in cells exposed to dopamine. 2008 , 106, 333-46	55
2093	Partial inhibition of complex I activity increases Ca-independent glutamate release rates from depolarized synaptosomes. 2008 , 106, 826-34	29
2092	Metabolic syndrome and the role of dietary lifestyles in Alzheimer's disease. 2008 , 106, 1503-14	122

2091	Redox-based endoplasmic reticulum dysfunction in neurological diseases. 2008 , 107, 20-34	39
2090	Review: Mitochondria and disease progression in multiple sclerosis. 2008 , 34, 577-89	136
2089	Mitochondrial translocation of alpha-synuclein is promoted by intracellular acidification. 2008 , 314, 2076-89	153
2088	Overexpression of human NOX1 complex induces genome instability in mammalian cells. 2008 , 44, 332-42	39
2087	Fatty acids as modulators of the cellular production of reactive oxygen species. 2008 , 45, 231-41	298
2086	A FRET-based method to study protein thiol oxidation in histological preparations. 2008, 45, 971-81	29
2085	Mechanism of alcohol-induced oxidative stress and neuronal injury. 2008 , 45, 1542-50	237
2084	Nrf2-induced antioxidant protection: a promising target to counteract ROS-mediated damage in neurodegenerative disease?. 2008 , 45, 1375-83	324
2083	Nuclear receptors and other nuclear transcription factors in mitochondria: regulatory molecules in a new environment. 2008 , 1783, 1-11	54
2082	Mechanisms of Cdc48/VCP-mediated cell death: from yeast apoptosis to human disease. 2008 , 1783, 1418-35	80
2081	Granulocyte-colony stimulating factor attenuates striatal degeneration with activating survival pathways in 3-nitropropionic acid model of Huntington's disease. 2008 , 1194, 130-7	27
2080	Ferritin, a protein containing iron nanoparticles, induces reactive oxygen species formation and inhibits glutamate uptake in rat brain synaptosomes. 2008 , 1241, 193-200	42
2079	Mitochondrial DNA damage and repair in neurodegenerative disorders. 2008, 7, 1110-20	122
2078	Hereditary spastic paraplegia: clinical features and pathogenetic mechanisms. 2008, 7, 1127-38	404
2077	Molecular mechanisms and clinical implications of reversible protein S-glutathionylation. 2008 , 10, 1941-88	440
2076	Trace elements in cerebrospinal fluid and blood from patients with a rare progressive central and peripheral demyelinating disease. 2008 , 266, 70-8	35
2075	The apoptotic effect of nanosilver is mediated by a ROS- and JNK-dependent mechanism involving the mitochondrial pathway in NIH3T3 cells. 2008 , 179, 130-9	672
2074	Synergistic activation of the human MnSOD promoter by DJ-1 and PGC-1alpha: regulation by SUMOylation and oxidation. 2008 , 17, 3357-67	82

2073	Emerging roles of S-nitrosylation in protein misfolding and neurodegenerative diseases. 2008 , 10, 87-101	96
2072	Diseases caused by defects of mitochondrial carriers: a review. 2008 , 1777, 564-78	175
2071	Mitochondrial oxidative phosphorylation and energetic status are reflected by morphology of mitochondrial network in INS-1E and HEP-G2 cells viewed by 4Pi microscopy. 2008 , 1777, 834-46	75
2070	Mammalian complex I: a regulable and vulnerable pacemaker in mitochondrial respiratory function. 2008 , 1777, 719-28	74
2069	Age-related changes in H2O2 production and bioenergetics in rat brain synaptosomes. 2008 , 1777, 783-8	22
2068	Proteomic view of mitochondrial function. 2008 , 9, 209	17
2067	RNA oxidation: a contributing factor or an epiphenomenon in the process of neurodegeneration. 2008 , 42, 773-7	22
2066	De novo CoA biosynthesis is required to maintain DNA integrity during development of the Drosophila nervous system. 2008 , 17, 2058-69	77
2065	Huntington's disease: from pathology and genetics to potential therapies. 2008 , 412, 191-209	333
2064	Mitochondrial import and accumulation of alpha-synuclein impair complex I in human dopaminergic neuronal cultures and Parkinson disease brain. 2008 , 283, 9089-100	701
2063	The contribution of mitochondrial dysfunction to a gene-environment model of Guamanian ALS and PD. 2008 , 8, 109-16	16
2062	Inactivation of the SMN complex by oxidative stress. 2008 , 31, 244-54	51
2061	Amyloid beta, mitochondrial dysfunction and synaptic damage: implications for cognitive decline in aging and Alzheimer's disease. 2008 , 14, 45-53	644
2060	Comparative study of hydrogen peroxide- and 4-hydroxy-2-nonenal-induced cell death in HT22 cells. 2008 , 52, 776-85	18
2059	Protective effects of tetramethylpyrazine on rat retinal cell cultures. 2008, 52, 1176-87	41
2058	Mitochondrial dysfunction in rat brain with aging Involvement of complex I, reactive oxygen species and cardiolipin. 2008 , 53, 126-31	138
2057	Oxidative insults induce DJ-1 upregulation and redistribution: implications for neuroprotection. 2008 , 29, 397-405	108
2056	Type-2 alkenes mediate synaptotoxicity in neurodegenerative diseases. 2008 , 29, 871-82	41

(2008-2008)

2055	Paths of convergence: sirtuins in aging and neurodegeneration. 2008 , 58, 10-4	153
2054	p73 regulates neurodegeneration and phospho-tau accumulation during aging and Alzheimer's disease. 2008 , 59, 708-21	71
2053	The mtDNA A8344G "MERRF" mutation is not a common cause of sporadic Parkinson disease in Italian population. 2008 , 14, 381-2	12
2052	RAR/RXR and PPAR/RXR signaling in neurological and psychiatric diseases. 2008 , 85, 433-51	67
2051	ERRalpha: a metabolic function for the oldest orphan. 2008 , 19, 269-76	182
2050	The mitochondrial impairment, oxidative stress and neurodegeneration connection: reality or just an attractive hypothesis?. 2008 , 31, 251-6	186
2049	The healthy cell bias of estrogen action: mitochondrial bioenergetics and neurological implications. 2008 , 31, 529-37	245
2048	Mutant huntingtin and mitochondrial dysfunction. 2008, 31, 609-16	182
2047	The ubiquitin-proteasome system in spongiform degenerative disorders. 2008 , 1782, 700-12	24
2046	Melatonin prevents age-related mitochondrial dysfunction in rat brain via cardiolipin protection. 2008 , 11, 935-43	50
2045	Therapeutic attenuation of mitochondrial dysfunction and oxidative stress in neurotoxin models of Parkinson's disease. 2008 , 1782, 151-62	45
2044	Therapeutic role of sirtuins in neurodegenerative disease. 2008 , 1782, 363-9	91
2043	Redox control and oxidative stress in yeast cells. 2008 , 1780, 1217-35	313
2042	Redox imbalance in Parkinson's disease. 2008 , 1780, 1362-7	204
2041	Glutathione peroxidase 4 senses and translates oxidative stress into 12/15-lipoxygenase dependent- and AIF-mediated cell death. 2008 , 8, 237-48	690
2040	A targetable fluorescent probe for imaging hydrogen peroxide in the mitochondria of living cells. 2008 , 130, 9638-9	534
2039	Oxidative stress and neurotoxicity. 2008 , 21, 172-88	605
2038	Multi-target-directed ligands to combat neurodegenerative diseases. 2008 , 51, 347-72	816

2037	Development of animal models to test the fundamental basis of gene-environment interactions. 2008 , 16 Suppl 3, S28-32	27
2036	Inhibition of mitochondrial hydrogen peroxide production by lipophilic metalloporphyrins. 2008 , 324, 970-6	33
2035	Mitochondrial complex I deficiency: from organelle dysfunction to clinical disease. 2009 , 132, 833-42	225
2034	Mitochondria-directed therapeutics. 2008 , 10, 575-8	30
2033	Lipid peroxidation, mitochondrial dysfunction and neurochemical and behavioural deficits in different neurotoxic models: protective role of S-allylcysteine. 2008 , 42, 892-902	43
2032	Production of reactive oxygen species by complex I (NADH:ubiquinone oxidoreductase) from Escherichia coli and comparison to the enzyme from mitochondria. 2008 , 47, 3964-71	91
2031	Mitochondrial dysfunction, oxidative stress, and apoptosis revealed by proteomic and transcriptomic analyses of the striata in two mouse models of Parkinson's disease. 2008 , 7, 666-77	79
2030	SCFCdc4 acts antagonistically to the PGC-1alpha transcriptional coactivator by targeting it for ubiquitin-mediated proteolysis. 2008 , 22, 252-64	138
2029	Formation of dopamine adducts derived from brain polyunsaturated fatty acids: mechanism for Parkinson disease. 2008 , 283, 34887-95	51
2028	Nmnat delays axonal degeneration caused by mitochondrial and oxidative stress. 2008 , 28, 4861-71	122
2027	Variations in the progranulin gene affect global gene expression in frontotemporal lobar degeneration. 2008 , 17, 1349-62	96
2026	Loss of apoptosis-inducing factor results in cell-type-specific neurogenesis defects. 2008 , 28, 4938-48	34
2025	Prevention of Oxidative Stress-Induced Retinal Pigment Epithelial Cell Death by the PPARgamma Agonists, 15-Deoxy-Delta 12, 14-Prostaglandin J(2). 2008 , 2008, 720163	17
2024	Mitochondrial dysfunction and HIF1alpha stabilization in inflammation. 2008 , 121, 3468-75	26
2023	Insulin-like growth factor-1 inhibits STS-induced cell death and increases functional recovery of in vitro differentiated neurons. 2008 , 7, 3869-77	4
2022	Mitochondrial DNA haplogroups influence AIDS progression. 2008 , 22, 2429-39	74
2021	Beer and bread to brains and beyond: can yeast cells teach us about neurodegenerative disease?. 2008 , 16, 52-62	37
2020	TGFbeta mediates activation of transglutaminase 2 in response to oxidative stress that leads to protein aggregation. 2008 , 22, 2498-507	58

(2008-2008)

2019	death. 2008 , 283, 23179-88	101
2018	N-terminal mutant huntingtin associates with mitochondria and impairs mitochondrial trafficking. 2008 , 28, 2783-92	312
2017	Isolated cytochrome c oxidase deficiency in G93A SOD1 mice overexpressing CCS protein. 2008 , 283, 12267-75	39
2016	Mitochondrial reactive oxygen species inactivate neuronal nicotinic acetylcholine receptors and induce long-term depression of fast nicotinic synaptic transmission. 2008 , 28, 1733-44	36
2015	Antioxidant activity of growth hormone-releasing hormone antagonists in LNCaP human prostate cancer line. 2008 , 105, 20470-5	54
2014	Calcium homeostasis and mitochondrial dysfunction in striatal neurons of Huntington disease. 2008 , 283, 5780-9	144
2013	A systems level analysis of transcriptional changes in Alzheimer's disease and normal aging. 2008 , 28, 1410-20	307
2012	Mitochondrial dynamics and peripheral neuropathy. 2008 , 14, 12-8	95
2011	Hydroxy-1-aryl-isochromans: protective compounds against lipid peroxidation and cellular nitrosative stress. 2008 , 13, 23-30	7
2010	A role for oxidized DNA precursors in Huntington's disease-like striatal neurodegeneration. 2008 , 4, e100026	6 48
2009	DHA Hydroperoxides as a Potential Inducer of Neuronal Cell Death: a Mitochondrial Dysfunction-Mediated Pathway. 2008 , 43, 26-33	28
2008	Type 2 Transglutaminase in Neurodegenerative Diseases: The Mitochondrial Connection. 2008 , 14, 278-288	28
2007	Akt activation improves oxidative phosphorylation in renal proximal tubular cells following nephrotoxicant injury. 2008 , 294, F423-32	28
2006	The identification of zebrafish mutants showing alterations in senescence-associated biomarkers. 2008 , 4, e1000152	111
2005	Endophilin I expression is increased in the brains of Alzheimer disease patients. 2008 , 283, 5685-91	40
2004	Physiological characterization of stolon regression in a colonial hydroid. 2008 , 211, 731-40	9
2003	Early oxidative damage underlying neurodegeneration in X-adrenoleukodystrophy. 2008, 17, 1762-73	158
2002	Reactive oxygen species act remotely to cause synapse loss in a Drosophila model of developmental mitochondrial encephalopathy. 2008 , 135, 2669-79	29

2001	Metabolomic profiling to develop blood biomarkers for Parkinson's disease. 2008, 131, 389-96	322
2000	Acetyl-L-carnitine and alpha-lipoic acid: possible neurotherapeutic agents for mood disorders?. 2008 , 17, 827-43	15
1999	Targeting prion proteins in neurodegenerative disease. 2008 , 8, 923-40	11
1998	ATF4 is an oxidative stress-inducible, prodeath transcription factor in neurons in vitro and in vivo. 2008 , 205, 1227-42	178
1997	Is antioxidant potential of the mitochondrial targeted ubiquinone derivative MitoQ conserved in cells lacking mtDNA?. 2008 , 10, 651-60	30
1996	Cytotoxic T lymphocytes overcome Bcl-2 inhibition: target cells contribute to their own demise. 2008 , 111, 2142-51	17
1995	Real-time imaging of mitochondria in transgenic zebrafish expressing mitochondrially targeted GFP. 2008 , 45, 331-4	61
1994	Identification of miRNA changes in Alzheimer's disease brain and CSF yields putative biomarkers and insights into disease pathways. 2008 , 14, 27-41	717
1993	Mitochondrial DNA sequence variation and neurodegeneration. 2008, 3, 71-8	33
1992	Cellular and biochemical actions of melatonin which protect against free radicals: role in neurodegenerative disorders. 2008 , 6, 203-14	27
1991	Clearing the brain's cobwebs: the role of autophagy in neuroprotection. 2008 , 6, 97-101	15
1990	Compartmentation of Redox Signaling and Control: Discrimination of Oxidative Stress in Mitochondria, Cytoplasm, Nuclei, and Endoplasmic Reticulum. 433-461	1
1989	Sepsis induces brain mitochondrial dysfunction. 2008 , 36, 1925-32	104
1988	Dysregulated mitochondrial genes and networks with drug targets in postmortem brain of patients with posttraumatic stress disorder (PTSD) revealed by human mitochondria-focused cDNA microarrays. 2008 , 4, 223-35	77
1987	Pharmacokinetic aspects of reduced nicotinamide adenine dinucleotide (NADH) in rats. 2008, 13, 3735-41	11
1986	Sublethal RNA oxidation as a mechanism for neurodegenerative disease. 2008 , 9, 789-806	31
1985	Mitochondrial defects and dysfunction in calcium regulation in glaucomatous trabecular meshwork cells. 2008 , 49, 4912-22	78
1984	Mitochondrial dysfunction increases oxidative stress and decreases chronological life span in fission yeast. 2008 , 3, e2842	63

(2009-2008)

1983	cytoprotection. 2008 , 3, e2864	41
1982	Quantification of retinal transneuronal degeneration in human glaucoma: a novel multiphoton-DAPI approach. 2008 , 49, 1940-5	38
1981	Mitochondrial complex I defect induces ROS release and degeneration in trabecular meshwork cells of POAG patients: protection by antioxidants. 2008 , 49, 1447-58	116
1980	Peroxisome Proliferator-Activated Receptor-gamma in Amyotrophic Lateral Sclerosis and Huntington's Disease. 2008 , 2008, 418765	46
1979	Mitochondrien: von der fr\u00e4en Evolution zu den altersassoziierten Erkrankungen des Menschen. 2008 , 14, 224-233	1
1978	. 2009,	32
1977	Current Challenges for the Early Detection of Alzheimer's Disease: Brain Imaging and CSF Studies. 2009 , 5, 153-66	53
1976	Role of creatine supplementation on exercise-induced cardiovascular function and oxidative stress. 2009 , 2, 247-54	14
1975	METABOLIC CHANGES The Emerging Role of Mitochondrial Dysfunction and Oxidative Stress in Epilepsy. 2009 , 712-718	
1974	Insulin and Insulin-Sensitizing Drugs in Neurodegeneration: Mitochondria as Therapeutic Targets. 2009 , 2, 250-286	8
1973	Neuroprotective effects of the triterpenoid, CDDO methyl amide, a potent inducer of Nrf2-mediated transcription. 2009 , 4, e5757	128
1972	Fine mapping of gene regions regulating neurodegeneration. 2009 , 4, e5906	8
1971	Oxidative inactivation of mitochondrial aconitase results in iron and H2O2-mediated neurotoxicity in rat primary mesencephalic cultures. 2009 , 4, e7095	105
1970	Mitochondrial mislocalization underlies Abeta42-induced neuronal dysfunction in a Drosophila model of Alzheimer's disease. 2009 , 4, e8310	82
1969	Mitochondrial DNA variants of respiratory complex I that uniquely characterize haplogroup T2 are associated with increased risk of age-related macular degeneration. 2009 , 4, e5508	74
1968	The healthy cell bias of estrogen action through regulating glucose metabolism and mitochondrial function: implications for prevention of Alzheimer's disease. 55-64	
1967	Women's Health Initiative Memory Study (WHIMS) program: emerging findings. 1-10	
1966	Parkinson's disease: from molecular pathways in disease to therapeutic approaches. 2009 , 11, 2077-82	52

1965	Synaptic activity-mediated suppression of p53 and induction of nuclear calcium-regulated neuroprotective genes promote survival through inhibition of mitochondrial permeability transition. 2009 , 29, 4420-9	58
1964	The Nrf2-ARE cytoprotective pathway in astrocytes. 2009 , 11, e17	199
1963	Mitochondrial cholesterol loading exacerbates amyloid beta peptide-induced inflammation and neurotoxicity. 2009 , 29, 6394-405	115
1962	JNK/FOXO-mediated neuronal expression of fly homologue of peroxiredoxin II reduces oxidative stress and extends life span. 2009 , 284, 29454-61	102
1961	A mitochondrial DNA mutation linked to colon cancer results in proton leaks in cytochrome c oxidase. 2009 , 106, 3402-7	33
1960	Reduction of oxidative stress, amyloid deposition, and memory deficit by manganese superoxide dismutase overexpression in a transgenic mouse model of Alzheimer's disease. 2009 , 23, 2459-66	172
1959	FOXO3a is broadly neuroprotective in vitro and in vivo against insults implicated in motor neuron diseases. 2009 , 29, 8236-47	72
1958	Loss of parkin or PINK1 function increases Drp1-dependent mitochondrial fragmentation. 2009 , 284, 22938-51	306
1957	SDH5, a gene required for flavination of succinate dehydrogenase, is mutated in paraganglioma. 2009 , 325, 1139-42	582
1956	Mitochondrial protein Preli-like is required for development of dendritic arbors and prevents their regression in the Drosophila sensory nervous system. 2009 , 136, 3757-66	22
1955	Multimodal neuroimaging provides a highly consistent picture of energy metabolism, validating 31P MRS for measuring brain ATP synthesis. 2009 , 106, 3988-93	36
1954	Mitochondrial ubiquitin ligase MITOL ubiquitinates mutant SOD1 and attenuates mutant SOD1-induced reactive oxygen species generation. 2009 , 20, 4524-30	91
1953	The polycomb group gene Bmi1 regulates antioxidant defenses in neurons by repressing p53 pro-oxidant activity. 2009 , 29, 529-42	123
1952	Bacterial artificial chromosome transgenic mice expressing a truncated mutant parkin exhibit age-dependent hypokinetic motor deficits, dopaminergic neuron degeneration, and accumulation of proteinase K-resistant alpha-synuclein. 2009 , 29, 1962-76	141
1951	Is abnormal axonal transport a cause, a contributing factor or a consequence of the neuronal pathology in Alzheimer's disease?. 2009 , 4, 761-773	30
1950	Mom and me: brain metabolism links Alzheimer disease to maternal genes. 2009 , 72, 486-7	1
1949	Mitochondria targeted peptides protect against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine neurotoxicity. 2009 , 11, 2095-104	125
1948	Mitochondrial transport dynamics in axons and dendrites. 2009 , 48, 107-39	32

1947	Mitochondria and energetic depression in cell pathophysiology. 2009 , 10, 2252-303	62
1946	Mitochondrial abnormalities, energy deficit and oxidative stress are features of calpain 3 deficiency in skeletal muscle. 2009 , 18, 3194-205	50
1945	Genetic ablation of calcium-independent phospholipase A2{gamma} leads to alterations in hippocampal cardiolipin content and molecular species distribution, mitochondrial degeneration, autophagy, and cognitive dysfunction. 2009 , 284, 35632-44	67
1944	Mitochondria are the source of hydrogen peroxide for dynamic brain-cell signaling. 2009 , 29, 9002-10	100
1943	Declining brain glucose metabolism in normal individuals with a maternal history of Alzheimer disease. 2009 , 72, 513-20	148
1942	Biochemical and mechanical dysfunction in a mouse model of desmin-related myopathy. 2009 , 104, 1021-8	42
1941	Heterogeneous nuclear ribonucleoprotein A2 is a common transcriptional coactivator in the nuclear transcription response to mitochondrial respiratory stress. 2009 , 20, 4107-19	41
1940	Hydrogen peroxide regulates the mitochondrial content of uncoupling protein 5 in colon cancer cells. 2009 , 24, 379-90	25
1939	Mitochondrial abnormalities in spinal and bulbar muscular atrophy. 2009 , 18, 27-42	149
1938	Adaptive optics scanning laser ophthalmoscopy images in a family with the mitochondrial DNA T8993C mutation. 2009 , 50, 1838-47	51
1937	The effect of age on a visual learning task in the American cockroach. 2009 , 16, 210-23	20
1936	Genetic interaction between the m-AAA protease isoenzymes reveals novel roles in cerebellar degeneration. 2009 , 18, 2001-13	47
1935	PGC-1{alpha} and PGC-1{beta} regulate mitochondrial density in neurons. 2009, 284, 21379-85	219
1934	Activated actin-depolymerizing factor/cofilin sequesters phosphorylated microtubule-associated protein during the assembly of alzheimer-like neuritic cytoskeletal striations. 2009 , 29, 12994-3005	69
1933	Pantothenate kinase-associated neurodegeneration: insights from a Drosophila model. 2009 , 18, 3659-72	50
1932	Oxidative damage to the promoter region of SQSTM1/p62 is common to neurodegenerative disease. 2009 , 35, 302-10	80
1931	Cytoplasmic gelsolin increases mitochondrial activity and reduces Abeta burden in a mouse model of Alzheimer's disease. 2009 , 36, 42-50	53
1930	Disruption of Rab11 activity in a knock-in mouse model of Huntington's disease. 2009 , 36, 374-83	58

1929	Protections of SMND-309, a novel derivate of salvianolic acid B, on brain mitochondria contribute to injury amelioration in cerebral ischemia rats. 2009 , 16, 726-33	20
1928	Glucocorticoid receptors and other nuclear transcription factors in mitochondria and possible functions. 2009 , 1787, 431-6	65
1927	Architecture of complex I and its implications for electron transfer and proton pumping. 2009 , 1787, 574-83	86
1926	Mitochondria, calcium and cell death: a deadly triad in neurodegeneration. 2009, 1787, 335-44	206
1925	Positioning mitochondrial plasticity within cellular signaling cascades. 2009 , 1793, 154-70	115
1924	Caspases indirectly regulate cleavage of the mitochondrial fusion GTPase OPA1 in neurons undergoing apoptosis. 2009 , 1250, 63-74	21
1923	SMND-309, a novel derivate of salvianolic acid B, ameliorates cerebral infarction in rats: characterization and role. 2009 , 1263, 114-21	19
1922	Mitochondrial structural and functional dynamics in Huntington's disease. 2009 , 61, 33-48	128
1921	The Miro GTPases: at the heart of the mitochondrial transport machinery. 2009 , 583, 1391-8	78
1920	Hypoxia rescues early mortality conferred by superoxide dismutase deficiency. 2009 , 46, 176-81	25
1919	Huperzine A protects isolated rat brain mitochondria against beta-amyloid peptide. 2009 , 46, 1454-62	81
1918	Radiation-induced reductions in neurogenesis are ameliorated in mice deficient in CuZnSOD or MnSOD. 2009 , 47, 1459-67	49
1917	NP04634 prevents cell damage caused by calcium overload and mitochondrial disruption in bovine chromaffin cells. 2009 , 607, 47-53	9
1916	Effect of Ganoderma lucidum on the activities of mitochondrial dehydrogenases and complex I and II of electron transport chain in the brain of aged rats. 2009 , 44, 219-23	28
1915	Slowed progression in models of Huntington disease by adipose stem cell transplantation. 2009 , 66, 671-81	100
1914	Zellulfe Bildgebung von Wasserstoffperoxid, dem flotwendigen Bellin der Zelle. 2009 , 121, 3066-3068	
1913	Improving the trapping of superoxide radical with a beta-cyclodextrin-5-diethoxyphosphoryl-5-methyl-1-pyrroline-N-oxide (DEPMPO) conjugate. 2009 , 15, 11114-8	35
1912	The metallothionein/thionein system: an oxidoreductive metabolic zinc link. 2009 , 10, 55-62	172

1911	Neurons express hemoglobin alpha- and beta-chains in rat and human brains. 2009, 515, 538-47	153
1910	The Sod2 mutant mouse as a model for oxidative stress: a functional proteomics perspective. 2010 , 29, 179-96	7
1909	Decreased antioxidant enzyme activity and increased mitochondrial DNA damage in cellular models of Machado-Joseph disease. 2009 , 87, 1884-91	75
1908	Sustained hydrogen peroxide stress decreases lactate production by cultured astrocytes. 2009 , 87, 2696-708	32
1907	Real-time molecular assessment on oxidative injury of single cells using Raman spectroscopy. 2009 , 40, 1194-1199	20
1906	Lighting up H2O2: the molecule that is a "necessary evil" in the cell. 2009 , 48, 3022-4	24
1905	Recent advances in our understanding of neurodegeneration. 2009 , 116, 1111-62	204
1904	Cell death: protein misfolding and neurodegenerative diseases. 2009 , 14, 455-68	146
1903	RNA oxidation in Alzheimer disease and related neurodegenerative disorders. 2009, 118, 151-66	119
1902	Mitochondrial calcium transport and mitochondrial dysfunction after global brain ischemia in rat hippocampus. 2009 , 34, 1469-78	48
1901	Redox signaling and protein phosphorylation in mitochondria: progress and prospects. 2009 , 41, 159-68	48
1900	Mitochondria, cholesterol and amyloid beta peptide: a dangerous trio in Alzheimer disease. 2009 , 41, 417-23	45
1899	Altered mitochondria, energy metabolism, voltage-dependent anion channel, and lipid rafts converge to exhaust neurons in Alzheimer's disease. 2009 , 41, 425-31	141
1898	Mitochondrial respiratory dysfunction and mutations in mitochondrial DNA in PINK1 familial parkinsonism. 2009 , 41, 509-16	18
1897	Mitochondrial dysfunction in mouse models of Parkinson's disease revealed by transcriptomics and proteomics. 2009 , 41, 487-91	26
1896	Nitrones for understanding and ameliorating the oxidative stress associated with aging. 2009 , 31, 269-76	10
1895	Host and viral factors influencing the pathogenesis of HIV-associated neurocognitive disorders. 2009 , 4, 175-89	28
1894	Neuroinflammation in Parkinson's disease. 2009 , 4, 419-29	119

1893	Nrf2 activity is lost in the spinal cord and its astrocytes of aged mice. 2009 , 45, 388-97	59
1892	Methylene blue provides behavioral and metabolic neuroprotection against optic neuropathy. 2009 , 15, 260-73	57
1891	Early nerve ending rescue from oxidative damage and energy failure by L: -carnitine as post-treatment in two neurotoxic models in rat: recovery of antioxidant and reductive capacities. 2009 , 197, 287-96	13
1890	Proteomic DIGE analysis of the mitochondria-enriched fraction from aged rat skeletal muscle. 2009 , 9, 5509-24	72
1889	Identification of a novel functional deletion variant in the 5'-UTR of the DJ-1 gene. 2009 , 10, 105	10
1888	Iron behaving badly: inappropriate iron chelation as a major contributor to the aetiology of vascular and other progressive inflammatory and degenerative diseases. 2009 , 2, 2	349
1887	Mitochondrial gene replacement in primate offspring and embryonic stem cells. <i>Nature</i> , 2009 , 461, 367-750.4	406
1886	Protective effects of compound FLZ, a novel synthetic analogue of squamosamide, on beta-amyloid-induced rat brain mitochondrial dysfunction in vitro. 2009 , 30, 522-9	6
1885	Mitochondrial dysfunction triggered by loss of HtrA2 results in the activation of a brain-specific transcriptional stress response. 2009 , 16, 449-64	137
1884	Genetics of motor neuron disorders: new insights into pathogenic mechanisms. 2009 , 10, 769-82	226
1883	Mitochondrial membrane permeabilization in neuronal injury. 2009 , 10, 481-94	322
1882	Overexpression of Tfam protects mitochondria against beta-amyloid-induced oxidative damage in SH-SY5Y cells. 2009 , 276, 3800-9	67
1881	Silent information regulator, Sirtuin 1, and age-related diseases. 2009 , 9, 7-15	47
1880	Transglutaminases and neurodegeneration. 2009 , 109 Suppl 1, 160-6	70
1879	Triterpenoid CDDO-methylamide improves memory and decreases amyloid plaques in a transgenic mouse model of Alzheimer's disease. 2009 , 109, 502-12	91
1878	Combination therapy with coenzyme Q10 and creatine produces additive neuroprotective effects in models of Parkinson's and Huntington's diseases. 2009 , 109, 1427-39	173
1877	Real-time visualization of cytoplasmic calpain activation and calcium deregulation in acute glutamate excitotoxicity. 2009 , 110, 990-1004	30
1876	12/15-Lipoxygenase targets neuronal mitochondria under oxidative stress. 2009 , 111, 882-9	86

(2009-2009)

1875	Sulforaphane as an inducer of glutathione prevents oxidative stress-induced cell death in a dopaminergic-like neuroblastoma cell line. 2009 , 111, 1161-71	86
1874	Synthesis of N-arylpyridinium salts bearing a nitrone spin trap as potential mitochondria-targeted antioxidants. 2009 , 65, 5284-5292	28
1873	Synthesis of a mitochondria-targeted spin trap using a novel Parham-type cyclization. 2009 , 65, 8154-8160	26
1872	Method for functional study of mitochondria in rat hypothalamus. 2009 , 178, 301-7	12
1871	Alzheimer's disease: new approaches to drug discovery. 2009 , 13, 303-8	100
1870	Copper, iron, and zinc ions homeostasis and their role in neurodegenerative disorders (metal uptake, transport, distribution and regulation). 2009 , 253, 2665-2685	336
1869	The modification of alpha-synuclein by dicarbonyl compounds inhibits its fibril-forming process. 2009 , 1794, 421-30	67
1868	In vitro analysis of cell metabolism using a long-decay pH-sensitive lanthanide probe and extracellular acidification assay. 2009 , 390, 21-8	56
1867	Mitochondria and reactive oxygen and nitrogen species in neurological disorders and stroke: Therapeutic implications. 2009 , 61, 1299-315	84
1866	The energy-redox axis in aging and age-related neurodegeneration. 2009 , 61, 1283-98	42
1865	Ultrastructural and functional abnormalities of mitochondria in cultivated fibroblasts from ⊞mannosidosis patients. 2009 , 64, 394-401	2
1864	Metabolomics: a global biochemical approach to the study of central nervous system diseases. 2009 , 34, 173-86	208
1863	Evidence for an active role of IF3mt in the initiation of translation in mammalian mitochondria. 2009 , 48, 3269-78	54
1862	Redox Control in Human Disease with a Special Emphasis on the Peroxiredoxin-Based Antioxidant System. 409-431	2
1861	Current Hypotheses and Research Milestones in Alzheimer's Disease. 2009,	1
1860	Pro-oxidant mitochondrial matrix-targeted ubiquinone MitoQ10 acts as anti-oxidant at retarded electron transport or proton pumping within Complex I. 2009 , 41, 1697-707	39
1859	Use of NADH fluorescence to determine mitochondrial function in vivo. 2009 , 41, 1977-88	38
1858	Alpha-synuclein overexpression and aggregation exacerbates impairment of mitochondrial functions by augmenting oxidative stress in human neuroblastoma cells. 2009 , 41, 2015-24	133

1857	Inhibition of mitochondrial respiratory chain in the brain of rats after hepatic failure induced by carbon tetrachloride is reversed by antioxidants. 2009 , 80, 75-8	27
1856	Mitochondrial function and redox control in the aging eye: role of MsrA and other repair systems in cataract and macular degenerations. 2009 , 88, 195-203	141
1855	Drp1 levels constitutively regulate mitochondrial dynamics and cell survival in cortical neurons. 2009 , 218, 274-85	75
1854	Heterogeneity of nervous system mitochondria: location, location, location!. 2009 , 218, 293-307	49
1853	New insights into mitochondrial structure during cell death. 2009 , 218, 183-92	50
1852	Oxidative and nitrosative stress in Parkinson's disease. 2009 , 1792, 643-50	208
1851	Klotho and aging. 2009 , 1790, 1049-58	212
1850	Transgenic mouse models for the vital selenoenzymes cytosolic thioredoxin reductase, mitochondrial thioredoxin reductase and glutathione peroxidase 4. 2009 , 1790, 1575-85	71
1849	Antioxidative activity of the olive oil constituent hydroxy-1-aryl-isochromans in cells and cell-free systems. 2009 , 1790, 1698-704	13
1848	Multiple pathways of mitochondrial-nuclear communication in yeast: intergenomic signaling involves ABF1 and affects a different set of genes than retrograde regulation. 2009 , 1789, 135-45	29
1847	Understanding the muscular dystrophy caused by deletion of choline kinase beta in mice. 2009 , 1791, 347-56	33
1846	Estrogen-induced plasticity from cells to circuits: predictions for cognitive function. 2009 , 30, 212-22	2 00
1845	Subcellular neuropharmacology: the importance of intracellular targeting. 2009, 30, 203-11	15
1844	The biology of PGC-1⊞nd its therapeutic potential. 2009 , 30, 322-9	87
1843	alpha-Ketoglutarate dehydrogenase contributes to production of reactive oxygen species in glutamate-stimulated hippocampal neurons in situ. 2009 , 158, 610-6	56
1842	Inhibition of apoptosis signal-regulating kinase 1 reduces endoplasmic reticulum stress and nuclear huntingtin fragments in a mouse model of Huntington disease. 2009 , 163, 1128-34	49
1841	AAA proteases in mitochondria: diverse functions of membrane-bound proteolytic machines. 2009 , 160, 711-7	73
1840	Role of the mitochondrial sodium/calcium exchanger in neuronal physiology and in the pathogenesis of neurological diseases. 2009 , 87, 58-79	66

(2009-2009)

1839	Significant modulation of mitochondrial electron transport system by nicotine in various rat brain regions. 2009 , 9, 186-95	15
1838	Mitochondrial function and energy metabolism in cancer cells: past overview and future perspectives. 2009 , 9, 165-79	73
1837	tRNA recognition, processing, and disease: hypotheses around an unorthodox type of RNase P in human mitochondria. 2009 , 9, 284-8	19
1836	Metabonomic alterations in hippocampus, temporal and prefrontal cortex with age in rats. 2009 , 54, 481-7	58
1835	Effects of the organochlorine pesticide methoxychlor on dopamine metabolites and transporters in the mouse brain. 2009 , 30, 274-80	22
1834	Environmental toxicants inhibit neuronal Jak tyrosine kinase by mitochondrial disruption. 2009 , 30, 589-98	32
1833	Consumption of molecular hydrogen prevents the stress-induced impairments in hippocampus-dependent learning tasks during chronic physical restraint in mice. 2009 , 34, 501-8	191
1832	Mitochondrial glutathione, a key survival antioxidant. 2009 , 11, 2685-700	648
1831	What is important to prevent oxidative stress? A theoretical study on electron-transfer reactions between carotenoids and free radicals. 2009 , 113, 12113-20	71
1830	Effect of para-aminobenzoic acid on the course of retinal degeneration in the rd10 mouse. 2009 , 25, 475-82	20
1829	Mitochondrial proteomics and its application in biomedical research. 2009 , 5, 1130-42	14
1828	Mitochondrial proteomics on human fibroblasts for identification of metabolic imbalance and cellular stress. 2009 , 7, 20	33
1827	Chapter 21 Paraquat-induced production of reactive oxygen species in brain mitochondria. 2009 , 456, 381-93	22
1826	Design, synthesis, and examination of neuron protective properties of alkenylated and amidated dehydro-silybin derivatives. 2009 , 52, 7732-52	37
1825	Methionine Sulfoxide Reductases: A Protective System against Oxidative Damage. 157-187	
1824	Cellular Signaling in Health and Disease. 2009 ,	6
1823	The Nrf2/ARE pathway as a potential therapeutic target in neurodegenerative disease. 2009 , 11, 497-508	335
1822	Systems medicine: the future of medical genomics and healthcare. 2009 , 1, 2	279

1821	8-OHdG in cerebrospinal fluid as a marker of oxidative stress in various neurodegenerative diseases. 2009 , 6, 263-9	48
1820	Neurofibrillary Tangle Formation as a Protective Response to Oxidative Stress in Alzheimer Disease. 2009 , 103-113	3
1819	Oxidative Neural Injury. 2009 ,	
1818	Dementia. 2009 , 403-408	1
1817	Unraveling a multifactorial late-onset disease: from genetic susceptibility to disease mechanisms for age-related macular degeneration. 2009 , 10, 19-43	217
1816	Mitochondria and reactive oxygen species. 2009 , 53, 885-92	158
1815	Caspase-cleaved tau expression induces mitochondrial dysfunction in immortalized cortical neurons: implications for the pathogenesis of Alzheimer disease. 2009 , 284, 18754-66	121
1814	Green tea epigallocatechin 3-gallate accumulates in mitochondria and displays a selective antiapoptotic effect against inducers of mitochondrial oxidative stress in neurons. 2009 , 11, 469-80	125
1813	Bioenergetic analysis of isolated cerebrocortical nerve terminals on a microgram scale: spare respiratory capacity and stochastic mitochondrial failure. 2009 , 109, 1179-91	166
1812	Protein phosphatase 5 protects neurons against amyloid-beta toxicity. 2009 , 111, 391-402	21
1811	Therapeutic approaches to mitochondrial dysfunction in Parkinson's disease. 2009 , 15 Suppl 3, S189-94	70
1810	The role of mitochondrial network dynamics in the pathogenesis of Charcot-Marie-Tooth disease. 2009 , 652, 129-37	22
1809	Mitochondrial Drugs for Alzheimer Disease. 2009 , 2, 287-298	12
1808	Neuroprotective effects of glycyrrhizic acid and 18beta-glycyrrhetinic acid in PC12 cells via modulation of the PI3K/Akt pathway. 2009 , 57, 754-61	71
1807	Antitumor effects of a selenium heteropoly complex in K562 cells. 2009 , 61, 288-95	6
1806	Mitochondrial dysfunction and glaucoma. 2009 , 18, 93-100	168
1805	Drug treatment for neurodegenerative disorders among the elderly: re-engaging homeostatic programs. 2009 , 5, 133-136	0
1804	Role of mitochondria in neurodegenerative diseases: mitochondria as a therapeutic target in Alzheimer's disease. 2009 , 14, 8-13; discussion 16-8	119

1803 The Early Detection of Alzheimer's Disease with Positron Emission Tomography. 2009, 151-168

1802	Functional Imaging with Mitochondrial Flavoprotein Autofluorescence. 2009, 221-253	
1801	Reduction of prion infectivity and levels of scrapie prion protein by lithium aluminum hydride: implications for RNA in prion diseases. 2009 , 68, 870-9	7
1800	Mitochondrial ferritin in the substantia nigra in restless legs syndrome. 2009 , 68, 1193-9	55
1799	Role of Nitric Oxide Signaling Pathways in Brain Injuries. 2010 , 4, 250-261	
1798	Nitric oxide mechanism in the protective effect of antidepressants against 3-nitropropionic acid-induced cognitive deficit, glutathione and mitochondrial alterations in animal model of Huntington's disease. 2010 , 21, 217-30	29
1797	Mechanisms of MDMA (ecstasy)-induced oxidative stress, mitochondrial dysfunction, and organ damage. 2010 , 11, 434-43	44
1796	Maternal transmission of Alzheimer's disease: prodromal metabolic phenotype and the search for genes. 2010 , 4, 170-93	66
1795	Quantitative changes in the mitochondrial proteome from subjects with mild cognitive impairment, early stage, and late stage Alzheimer's disease. 2010 , 19, 325-39	29
1794	DNA damage and impairment of DNA repair in Alzheimer's disease. 2010 , 120, 397-403	24
1793	Mitochondrial dysfunction and intracellular calcium dysregulation in ALS. 2010, 131, 517-26	123
1792	Mitophagy and mitoptosis in disease processes. 2010 , 648, 93-106	24
1791	Mitochondrial haplogroup H correlates with ATP levels and age at onset in Huntington disease. 2010 , 88, 431-6	52
1790	Intracellular ROS level is increased in fibroblasts of triple A syndrome patients. 2010 , 88, 1233-42	23
1789	Towards a unifying, systems biology understanding of large-scale cellular death and destruction caused by poorly liganded iron: Parkinson's, Huntington's, Alzheimer's, prions, bactericides, chemical toxicology and others as examples. 2010 , 84, 825-89	292
1788	Effects of calorie restriction on life span of microorganisms. 2010 , 88, 817-28	28
1787	Intraneuronal beta-amyloid accumulation and synapse pathology in Alzheimer's disease. 2010 , 119, 523-41	267
1786	A novel variation in the Twinkle linker region causing late-onset dementia. 2010 , 11, 21-5	18

1785	Redox regulation of mitochondrial fission, protein misfolding, synaptic damage, and neuronal cell death: potential implications for Alzheimer's and Parkinson's diseases. 2010 , 15, 1354-63	72
1784	Molecular and cellular mechanisms of excitotoxic neuronal death. 2010 , 15, 1382-402	285
1783	Modulation of oxidative phosphorylation machinery signifies a prime mode of anti-ageing mechanism of calorie restriction in male rat liver mitochondria. 2010 , 11, 321-34	28
1782	Antioxidant strategy to rescue synaptosomes from oxidative damage and energy failure in neurotoxic models in rats: protective role of S-allylcysteine. 2010 , 117, 35-44	22
1781	Influence of aerobic fitness on age-related lymphocyte DNA damage in humans: relationship with mitochondria respiratory chain and hydrogen peroxide production. 2010 , 32, 337-46	22
1780	Therapeutic potential and challenges of targeting sirtuins in neurodegenerative diseases. 2010 , 5, 324-330	
1779	Inflammatory cytokine induced regulation of superoxide dismutase 3 expression by human mesenchymal stem cells. 2010 , 6, 548-59	61
1778	Mitochondrial DNA 11777C>A mutation associated Leigh syndrome: case report with a review of the previously described pedigrees. 2010 , 12, 277-84	13
1777	Redox reactions induced by nitrosative stress mediate protein misfolding and mitochondrial dysfunction in neurodegenerative diseases. 2010 , 41, 55-72	108
1776	Mitochondria impairment correlates with increased sensitivity of aging RPE cells to oxidative stress. 2010 , 3, 92-108	33
1775	Mitochondrial bioenergetics and dynamics in Huntington's disease: tripartite synapses and selective striatal degeneration. 2010 , 42, 227-34	36
1774	The potential role of mitochondrial dysfunction in seizure-associated cell death in the hippocampus and epileptogenesis. 2010 , 42, 461-5	42
1773	Pathophysiology of neuropathic lysosomal storage disorders. 2010 , 33, 347-62	107
1772	Mitochondrial respiratory chain in the colonic mucosal of patients with ulcerative colitis. 2010 , 342, 111-5	50
1771	Differential proteomics analysis of specific carbonylated proteins in the temporal cortex of aged rats: the deterioration of antioxidant system. 2010 , 35, 13-21	21
1770	Inhibition of mitochondrial respiratory chain in the brain of adult rats after acute and chronic administration of methylphenidate. 2010 , 35, 405-11	18
1769	Attenuation of rotenone-induced mitochondrial oxidative damage and neurotoxicty in Drosophila melanogaster supplemented with creatine. 2010 , 35, 1402-12	58
1768	Effect of acute and chronic administration of methylphenidate on mitochondrial respiratory chain in the brain of young rats. 2010 , 35, 1675-80	17

(2010-2010)

1767	Light effects on mitochondrial photosensitizers in relation to retinal degeneration. 2010 , 35, 2027-34	24
1766	A neurological perspective on mitochondrial disease. 2010 , 9, 829-40	213
1765	The role of the blood-CNS barrier in CNS disorders and their treatment. 2010 , 37, 3-12	74
1764	Diagnostic cerebrospinal fluid biomarkers for Parkinson's disease: a pathogenetically based approach. 2010 , 39, 229-41	56
1763	Evolutionary biology looks at behavior genetics. 2010 , 49, 289-295	11
1762	The emerging role of iron dyshomeostasis in the mitochondrial decay of aging. 2010 , 131, 487-93	59
1761	Reactive oxygen species and the brain in sleep apnea. 2010 , 174, 307-16	82
1760	Oxidation of potassium channels by ROS: a general mechanism of aging and neurodegeneration?. 2010 , 20, 45-51	105
1759	Mitochondrial reactive oxygen species regulate cellular signaling and dictate biological outcomes. 2010 , 35, 505-13	672
1758	Enhanced metallothionein gene expression induced by mitochondrial oxidative stress is reduced in phospholipid hydroperoxide glutathione peroxidase-overexpressed cells. 2010 , 626, 166-70	11
1757	The MPTP marmoset model of parkinsonism: a multi-purpose non-human primate model for neurodegenerative diseases. 2010 , 15, 985-90	31
1756	The organellar peptidasome, PreP: a journey from Arabidopsis to Alzheimer's disease. 2010 , 1797, 1076-80	20
1755	Role of calcineurin, hnRNPA2 and Akt in mitochondrial respiratory stress-mediated transcription activation of nuclear gene targets. 2010 , 1797, 1055-65	38
1754	Edaravone, a free radical scavenger, protects components of the neurovascular unit against oxidative stress in vitro. 2010 , 1307, 22-7	57
1753	Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons. 2010 , 1311, 189-96	107
1752	Induction of neuronal apoptosis by expression of Hes6 via p53-dependent pathway. 2010 , 1313, 1-8	9
1751	The dysregulation of intracellular calcium in Alzheimer disease. 2010 , 47, 183-9	221
1750	Stabilization of mitochondrial function by tetramethylpyrazine protects against kainate-induced oxidative lesions in the rat hippocampus. 2010 , 48, 597-608	59

1749	Mitochondrial superoxide dismutase SOD2, but not cytosolic SOD1, plays a critical role in protection against glutamate-induced oxidative stress and cell death in HT22 neuronal cells. 2010 , 48, 821-30	95
1748	Hypochlorite modification of sphingomyelin generates chlorinated lipid species that induce apoptosis and proteome alterations in dopaminergic PC12 neurons in vitro. 2010 , 48, 1588-600	40
1747	Triterpenoids CDDO-ethyl amide and CDDO-trifluoroethyl amide improve the behavioral phenotype and brain pathology in a transgenic mouse model of Huntington's disease. 2010 , 49, 147-58	134
1746	A novel profluorescent nitroxide as a sensitive probe for the cellular redox environment. 2010 , 49, 67-76	55
1745	Acetyl-L-carnitine protects neuronal function from alcohol-induced oxidative damage in the brain. 2010 , 49, 1494-504	55
1744	Neuroprotection by a mitochondria-targeted drug in a Parkinson's disease model. 2010 , 49, 1674-84	132
1743	The critical role of glutathione in maintenance of the mitochondrial genome. 2010 , 49, 1956-68	46
1742	Basic mechanisms of neurodegeneration: a critical update. 2010 , 14, 457-87	174
1741	Reactive species and mitochondrial dysfunction: mechanistic significance of 4-hydroxynonenal. 2010 , 51, 380-90	74
1740	Astrocyte targeted overexpression of Hsp72 or SOD2 reduces neuronal vulnerability to forebrain ischemia. 2010 , 58, 1042-9	92
1739	Cytoprotective effects of catechin 7-O-ED glucopyranoside against mitochondrial dysfunction damaged by streptozotocin in RINm5F cells. 2010 , 28, 651-60	5
1738	Telomere, DNA damage, and oxidative stress in stem cell aging. 2010 , 90, 297-307	11
1737	In vivo monitoring of the transfer kinetics of trace elements in animal brains with hyphenated inductively coupled plasma mass spectrometry techniques. 2010 , 29, 392-424	19
1736	Parkinson's disease: 10 years of progress, 1997-2007. 2010 , 25 Suppl 1, S2-14	29
1735	A Fluorescent Hydrogen Peroxide Probe Based on a 'Click' Modified Coumarin Fluorophore. 2010 , 51, 1152-1154	52
1734	Mitochondrial-targeted fluorescent probes for reactive oxygen species. 2010 , 14, 50-6	269
1733	Design, synthesis, and evaluation of an \(\partial\)copherol analogue as a mitochondrial antioxidant. 2010 , 18, 7628-38	15
1732	Neuroprotective effect of Decalepis hamiltonii roots against ethanol-induced oxidative stress. 2010 , 119, 626-629	22

(2010-2010)

1731	The role of protein quality control in mitochondrial protein homeostasis under oxidative stress. 2010 , 10, 1426-43	70
1730	Hypoxia-inducible factor 1: a new hope to counteract neurodegeneration?. 2010 , 112, 1-12	101
1729	Ketones prevent synaptic dysfunction induced by mitochondrial respiratory complex inhibitors. 2010 , 114, 130-41	75
1728	Nature and cause of mitochondrial dysfunction in Huntington's disease: focusing on huntingtin and the striatum. 2010 , 114, 1-12	110
1727	Synthesis and transport of creatine in the CNS: importance for cerebral functions. 2010 , 115, 297-313	110
1726	Neuronal expression of a single-subunit yeast NADH-ubiquinone oxidoreductase (Ndi1) extends Drosophila lifespan. 2010 , 9, 191-202	46
1725	Melatonin protects against Nickel-induced neurotoxicity in vitro by reducing oxidative stress and maintaining mitochondrial function. 2010 , 49, 86-94	58
1724	Hydrogen peroxide efflux from muscle mitochondria underestimates matrix superoxide productiona correction using glutathione depletion. 2010 , 277, 2766-78	70
1723	Gain-of-function variant in GLUD2 glutamate dehydrogenase modifies Parkinson's disease onset. 2010 , 18, 336-41	38
1722	The unusual amino acid L-ergothioneine is a physiologic cytoprotectant. 2010 , 17, 1134-40	157
1721	Searching for biomarkers in neurodegeneration. 2010 , 16, 1371-2	6
1720	Common mechanisms in neurodegeneration. 2010 , 16, 1372	17
1719	Modeling clinical features of neurodegeneration. 2010 , 16, 1372	13
1718	Molecular mechanisms of necroptosis: an ordered cellular explosion. 2010 , 11, 700-14	1603
1717	Mitochondrial respiratory dysfunction-elicited oxidative stress and posttranslational protein modification in mitochondrial diseases. 2010 , 1201, 147-56	33
1716	Glutamate-induced alterations in Ca2+ signaling are modulated by mitochondrial Ca2+ handling capacity in brain slices of R6/1 transgenic mice. 2010 , 32, 60-70	25
1715	Regulatory role of mitochondria in oxidative stress and atherosclerosis. 2010 , 2, 150-9	47
1714	Mitochondrial preconditioning: a potential neuroprotective strategy. 2010 , 2,	23

1713	Superoxide anion, uncoupling proteins and Alzheimer's disease. 2010 , 46, 187-94	38
1712	A synergistic dysfunction of mitochondrial fission/fusion dynamics and mitophagy in Alzheimer's disease. 2010 , 20 Suppl 2, S401-12	121
1711	Etiology, Pathology, and Pathogenesis. 2010 , 417-431	
1710	Possible involvement of a mitochondrial translation initiation factor 3 variant causing decreased mRNA levels in Parkinson's disease. 2010 , 2010, 491751	11
1709	Neuroprotection through stimulation of mitochondrial antioxidant protein expression. 2010 , 20 Suppl 2, S427-37	29
1708	Polyglutamine diseases: where does toxicity come from? what is toxicity? where are we going?. 2010 , 2, 180-91	111
1707	Endogenous 3,4-dihydroxyphenylalanine and dopaquinone modifications on protein tyrosine: links to mitochondrially derived oxidative stress via hydroxyl radical. 2010 , 9, 1199-208	21
1706	The secret life of NAD+: an old metabolite controlling new metabolic signaling pathways. 2010 , 31, 194-223	595
1705	Wnt signaling regulates mitochondrial physiology and insulin sensitivity. 2010 , 24, 1507-18	172
1704	Proteins of nucleotide and base excision repair pathways interact in mitochondria to protect from loss of subcutaneous fat, a hallmark of aging. 2010 , 207, 379-90	134
1703	Expression of Huntington's disease protein results in apoptotic neurons in the brains of cloned transgenic pigs. 2010 , 19, 3983-94	113
1702	Protective effect of serotonin derivatives on glucose-induced damage in PC12 rat pheochromocytoma cells. 2010 , 103, 25-31	14
1701	High plasma levels of vitamin E forms and reduced Alzheimer's disease risk in advanced age. 2010 , 20, 1029-37	119
1700	Demyelination increases axonal stationary mitochondrial size and the speed of axonal mitochondrial transport. 2010 , 30, 6658-66	128
1699	Nanocapsulated flavonoid: Effect on cerebral ischemia-reperfusion induced mitochondrial oxidative damage in rat brain. 2010 ,	
1698	Unveiling the molecular mechanisms behind selenium-related diseases through knockout mouse studies. 2010 , 12, 851-65	37
1697	Analysis of differential DNA damage in the mitochondrial genome employing a semi-long run real-time PCR approach. 2010 , 38, e24	111
1696	The PINK1/Parkin-mediated mitophagy is compromised by PD-associated mutations. 2010 , 6, 871-8	230

(2010-2010)

1695 Introduction. **2010**, 1

1694	Bax regulates production of superoxide in both apoptotic and nonapoptotic neurons: role of caspases. 2010 , 30, 16114-27	33
1693	Expression of beta-amyloid induced age-dependent presynaptic and axonal changes in Drosophila. 2010 , 30, 1512-22	100
1692	Pantethine rescues a Drosophila model for pantothenate kinase-associated neurodegeneration. 2010 , 107, 6988-93	113
1691	Increased fibrillar amyloid-{beta} burden in normal individuals with a family history of late-onset Alzheimer's. 2010 , 107, 5949-54	107
1690	S-adenosylmethionine is decreased in the cerebrospinal fluid of patients with Alzheimer's disease. 2010 , 7, 373-8	64
1689	Methamphetamine causes mitrochondrial oxidative damage in human T lymphocytes leading to functional impairment. 2010 , 185, 2867-76	68
1688	System x(c)- and thioredoxin reductase 1 cooperatively rescue glutathione deficiency. 2010 , 285, 22244-53	120
1687	Neuronal inactivation of peroxisome proliferator-activated receptor ⊡coactivator 1ҢPGC-1₽ protects mice from diet-induced obesity and leads to degenerative lesions. 2010 , 285, 39087-95	57
1686	Coenzyme Q protects Caenorhabditis elegans GABA neurons from calcium-dependent degeneration. 2010 , 107, 14460-5	29
1685	Reduction of protein translation and activation of autophagy protect against PINK1 pathogenesis in Drosophila melanogaster. 2010 , 6, e1001237	78
1684	An antiapoptotic neuroprotective role for neuroglobin. 2010 , 11, 2306-21	51
1683	Mutant huntingtin impairs Ku70-mediated DNA repair. 2010 , 189, 425-43	86
1682	ROS induced DNA damage and checkpoint responses: influences on aging?. 2010 , 9, 4058-60	39
1681	The neurogenic basic helix-loop-helix transcription factor NeuroD6 confers tolerance to oxidative stress by triggering an antioxidant response and sustaining the mitochondrial biomass. 2010 , 2, e00034	51
1680	Mechanisms of retinal ganglion cell injury in aging and glaucoma. 2010 , 44, 173-8	40
1679	Mitochondrial quality control and neurological disease: an emerging connection. 2010 , 12, e12	65
1678	HtrA2, taming the oncogenic activities of WT1. 2010 , 9, 2508-14	8

//	Protection of pancreatic beta-cells from various stress conditions is mediated by DJ-1. 2010 , 285, 25686-98	43
1676	Neuroprotective mechanism of mitochondrial ferritin on 6-hydroxydopamine-induced dopaminergic cell damage: implication for neuroprotection in Parkinson's disease. 2010 , 13, 783-96	65
1675	Cytopathological Mechanisms in Mitochondrial Disease. 2010 , 4, 32-48	
1674	The consequences of mitochondrial amyloid beta-peptide in Alzheimer's disease. 2010 , 426, 255-70	59
1673	A simple method to systematically study oxidatively modified proteins in biological samples and its applications. 2010 , 473, 251-64	12
1672	What role does mitochondrial stress play in neurodegenerative diseases?. 2010 , 648, 63-78	13
1671	Nutraceutical antioxidants as novel neuroprotective agents. 2010 , 15, 7792-814	325
1670	Potential therapeutic benefits of strategies directed to mitochondria. 2010 , 13, 279-347	139
1669	Oxidative stress and amyloid-beta pathology in normal individuals with a maternal history of Alzheimer's. 2010 , 68, 913-21	37
1668	Dementia, stroke and migrainesome common pathological mechanisms. 2010 , 299, 55-65	17
1667	Low-molecular-mass peptides from the venom of the Amazonian viper Bothrops atrox protect against brain mitochondrial swelling in rat: potential for neuroprotection. 2010 , 56, 86-92	6
,	· · · · · · · · · · · · · · · · · · ·	90
,	against brain mitochondrial swelling in rat: potential for neuroprotection. 2010 , 56, 86-92	
1666 1665	against brain mitochondrial swelling in rat: potential for neuroprotection. 2010 , 56, 86-92 Successful aging: focus on cognitive and emotional health. 2010 , 6, 527-50 Hydrogen sulfide increases glutathione production and suppresses oxidative stress in	90
1666 1665	against brain mitochondrial swelling in rat: potential for neuroprotection. 2010, 56, 86-92 Successful aging: focus on cognitive and emotional health. 2010, 6, 527-50 Hydrogen sulfide increases glutathione production and suppresses oxidative stress in mitochondria. 2010, 12, 1-13 Free Radicals and Stem Cell Aging. 2010, 88-94	90
1666 1665 1664 1663	against brain mitochondrial swelling in rat: potential for neuroprotection. 2010 , 56, 86-92 Successful aging: focus on cognitive and emotional health. 2010 , 6, 527-50 Hydrogen sulfide increases glutathione production and suppresses oxidative stress in mitochondria. 2010 , 12, 1-13 Free Radicals and Stem Cell Aging. 2010 , 88-94	90 471
1666 1665 1664 1663	against brain mitochondrial swelling in rat: potential for neuroprotection. 2010, 56, 86-92 Successful aging: focus on cognitive and emotional health. 2010, 6, 527-50 Hydrogen sulfide increases glutathione production and suppresses oxidative stress in mitochondria. 2010, 12, 1-13 Free Radicals and Stem Cell Aging. 2010, 88-94 Cerebral FDG-PET scanning abnormalities in optimally treated HIV patients. 2010, 7, 13	90 471 24

1659	Electron tunneling in respiratory complex I. 2010 , 107, 19157-62	98
1658	Organelle-targetable fluorescent probes for imaging hydrogen peroxide in living cells via SNAP-Tag protein labeling. 2010 , 132, 4455-65	244
1657	Proteomic analysis of mitochondrial dysfunction in neurodegenerative diseases. 2010 , 7, 519-42	23
1656	Neuronal calcium signaling, mitochondrial dysfunction, and Alzheimer's disease. 2010 , 20 Suppl 2, S487-98	106
1655	S-nitrosylation of Drp1 links excessive mitochondrial fission to neuronal injury in neurodegeneration. 2010 , 10, 573-8	108
1654	Mitochondrial dysfunction: a potential link between neuroinflammation and neurodegeneration?. 2010 , 10, 411-8	171
1653	Reactive oxygen species promote localized DNA damage in glaucoma-iris tissues of elderly patients vulnerable to diabetic injury. 2010 , 697, 19-23	18
1652	Sustained deficiency of mitochondrial complex I activity during long periods of survival after seizures induced in immature rats by homocysteic acid. 2010 , 56, 394-403	54
1651	Systemic administration of 3-nitropropionic acid points out a different role for active caspase-3 in neurons and astrocytes. 2010 , 56, 443-50	18
1650	Reduced expression of peroxisome-proliferator activated receptor gamma coactivator-1alpha enhances alpha-synuclein oligomerization and down regulates AKT/GSK3beta signaling pathway in human neuronal cells that inducibly express alpha-synuclein. 2010 , 473, 120-5	27
1649	Aging and antioxidants modulate rat brain levels of homocysteine and dehydroepiandrosterone sulphate (DHEA-S): implications in the pathogenesis of Alzheimer's disease. 2010 , 483, 123-6	12
1648	Variations of the CAG trinucleotide repeat in DNA polymerase [[POLG1] is associated with Parkinson's disease in Sweden. 2010 , 485, 117-20	27
1647	Mitochondrial medicine for neurodegenerative diseases. 2010 , 42, 560-72	58
1646	Impaired mitochondrial trafficking in Huntington's disease. 2010 , 1802, 62-5	49
1645	Mitochondrial trafficking of APP and alpha synuclein: Relevance to mitochondrial dysfunction in Alzheimer's and Parkinson's diseases. 2010 , 1802, 11-9	108
1644	Mitochondria in Huntington's disease. 2010 , 1802, 52-61	202
1643	Cytochrome c oxidase deficiency: patients and animal models. 2010 , 1802, 100-10	97
1642	Regulation of neuron mitochondrial biogenesis and relevance to brain health. 2010 , 1802, 228-34	129

1641	Mitochondria as ATP consumers in cellular pathology. 2010 , 1802, 221-7	79
1640	Mitochondrial dysfunction in Parkinson's disease. 2010 , 1802, 29-44	383
1639	Pathological roles of MAPK signaling pathways in human diseases. 2010 , 1802, 396-405	1455
1638	Neurodegeneration in mnd2 mutant mice is not prevented by parkin transgene. 2010 , 402, 676-9	7
1637	Mitochondria: Their role in ganglion cell death and survival in primary open angle glaucoma. 2010 , 90, 750-7	151
1636	Axonal damage in leukodystrophies. 2010 , 42, 239-42	28
1635	Hyperbaric oxygen preconditioning ameliorates anxiety-like behavior and cognitive impairments via upregulation of thioredoxin reductases in stressed rats. 2010 , 34, 1018-25	32
1634	Candidate anti-A beta fluorene compounds selected from analogs of amyloid imaging agents. 2010 , 31, 1690-9	20
1633	Association between mitochondrial DNA variations and Alzheimer's disease in the ADNI cohort. 2010 , 31, 1355-63	75
1632	Mannosylated liposomal cytidine 5' diphosphocholine prevent age related global moderate cerebral ischemia reperfusion induced mitochondrial cytochrome c release in aged rat brain. 2010 , 171, 1287-99	37
1631	Optical imaging of mitochondrial function uncovers actively propagating waves of mitochondrial membrane potential collapse across intact heart. 2010 , 49, 565-75	47
1630	Functional modules and structural basis of conformational coupling in mitochondrial complex I. 2010 , 329, 448-51	320
1629	Identification of differentially expressed genes in the brain of Sebastiscus marmoratus in response to tributyltin exposure. 2010 , 99, 248-55	3
1628	Redox control of protein kinase C: cell- and disease-specific aspects. 2010 , 13, 1051-85	103
1627	Targeting mitochondrial dysfunction in neurodegenerative disease: Part I. 2010 , 14, 369-85	47
1626	Lifelong protection from global cerebral ischemia and reperfusion in long-lived Mclk1(+/)(-) mutants. 2010 , 223, 557-65	11
1625	Resveratrol protects against peripheral deficits in a mouse model of Huntington's disease. 2010 , 225, 74-84	103
1624	Interactive comorbidity between opioid drug abuse and HIV-1 Tat: chronic exposure augments spine loss and sublethal dendritic pathology in striatal neurons. 2010 , 177, 1397-410	102

(2011-2010)

1623	Amyloid-beta and mitochondria in aging and Alzheimer's disease: implications for synaptic damage and cognitive decline. 2010 , 20 Suppl 2, S499-512	175
1622	Mitochondria-targeted antioxidants protect against amyloid-beta toxicity in Alzheimer's disease neurons. 2010 , 20 Suppl 2, S609-31	335
1621	Multifrequency pulsed electron paramagnetic resonance on metalloproteins. 2010, 43, 181-9	19
1620	Retinal Ganglion Cell Apoptosis and Neuroprotection. 2010 , 62-72	1
1619	Lanthanide-based luminescent probes for selective time-gated detection of hydrogen peroxide in water and in living cells. 2010 , 46, 7510-2	98
1618	Protein Misfolding and Cellular Stress in Disease and Aging. 2010 ,	5
1617	The intermembrane space of mitochondria. 2010 , 13, 1341-58	94
1616	In vivo imaging of hydrogen peroxide production in a murine tumor model with a chemoselective bioluminescent reporter. 2010 , 107, 21316-21	320
1615	Carotenoids can act as antioxidants by oxidizing the superoxide radical anion. 2010 , 12, 193-200	89
1614	Region-specific protein abundance changes in the brain of MPTP-induced Parkinson's disease mouse model. 2010 , 9, 1496-509	55
1613	Mitochondrial amyloid-beta levels are associated with the extent of mitochondrial dysfunction in different brain regions and the degree of cognitive impairment in Alzheimer's transgenic mice. 2010 , 20 Suppl 2, S535-50	148
1612	Intracellular coenzymes as natural biomarkers for metabolic activities and mitochondrial anomalies. 2010 , 4, 241-63	273
1611	Comparative bioenergetic assessment of transformed cells using a cell energy budget platform. 2011 , 3, 1135-42	30
1610	Autism: A Systems Biology Disease. 2011 ,	9
1609	Novel glutathione-linked nitrones as dual free radical probes. 2011 , 35, 1485	2
1608	Superoxide flashes: early mitochondrial signals for oxidative stress-induced apoptosis. 2011 , 286, 27573-81	98
1607	Measurement of Raman (B) and theoretical estimation of DOVE four wave mixing of hydrogen peroxide. 2011 , 115, 6525-30	3
1606	p53 pro-oxidant activity in the central nervous system: implication in aging and neurodegenerative diseases. 2011 , 15, 1729-37	31

1605	Quantum electron tunneling in respiratory complex I. 2011 , 115, 5354-64	18
1604	3,4,4'-Trihydroxy-trans-stilbene, an analogue of resveratrol, is a potent antioxidant and cytotoxic agent. 2011 , 45, 1379-87	13
1603	A hydrogen peroxide-responsive hyperpolarized 13C MRI contrast agent. 2011 , 133, 3776-9	86
1602	Mitochondrial Uncoupling Proteins and Oxidative Stress: Implications for Diabetes and Neurodegeneration. 2011 , 1, 4-14	7
1601	Flavones from the Root of Scutellaria baicalensis Georgi Drugs of the Future in Neurodegeneration and Neuroprotection?. 2011 , 2305-2323	О
1600	What can ecology teach us about cancer?. 2011 , 4, 266-70	40
1599	Dynamin-related protein 1 and mitochondrial fragmentation in neurodegenerative diseases. 2011 , 67, 103-18	252
1598	Electron tunneling pathways in respiratory complex I. The role of the internal water between the enzyme subunits. 2011 , 660, 356-359	3
1597	Is caffeine a good scavenger of oxygenated free radicals?. 2011 , 115, 4538-46	150
1596	Redox regulation of the intrinsic pathway in neuronal apoptosis. 2011 , 14, 1437-48	100
1596 1595	Redox regulation of the intrinsic pathway in neuronal apoptosis. 2011 , 14, 1437-48 Applications of Boronic Acids in Chemical Biology and Medicinal Chemistry. 2011 , 591-620	100
1595	Applications of Boronic Acids in Chemical Biology and Medicinal Chemistry. 2011 , 591-620 Hydrogen peroxide sensing with horseradish peroxidase-modified polymer single conical	7
1595 1594	Applications of Boronic Acids in Chemical Biology and Medicinal Chemistry. 2011 , 591-620 Hydrogen peroxide sensing with horseradish peroxidase-modified polymer single conical nanochannels. 2011 , 83, 1673-80 Redox Regulation of Protein Misfolding, Synaptic Damage, and Neuronal Loss in	7
1595 1594 1593	Applications of Boronic Acids in Chemical Biology and Medicinal Chemistry. 2011, 591-620 Hydrogen peroxide sensing with horseradish peroxidase-modified polymer single conical nanochannels. 2011, 83, 1673-80 Redox Regulation of Protein Misfolding, Synaptic Damage, and Neuronal Loss in Neurodegenerative Diseases. 2011, 65-99	7
1595 1594 1593 1592	Applications of Boronic Acids in Chemical Biology and Medicinal Chemistry. 2011, 591-620 Hydrogen peroxide sensing with horseradish peroxidase-modified polymer single conical nanochannels. 2011, 83, 1673-80 Redox Regulation of Protein Misfolding, Synaptic Damage, and Neuronal Loss in Neurodegenerative Diseases. 2011, 65-99 Role of Drp1, a key mitochondrial fission protein, in neuropathic pain. 2011, 31, 11404-10 Protein oxidative modifications in the ageing brain: consequence for the onset of	7 151 68
1595 1594 1593 1592 1591	Applications of Boronic Acids in Chemical Biology and Medicinal Chemistry. 2011, 591-620 Hydrogen peroxide sensing with horseradish peroxidase-modified polymer single conical nanochannels. 2011, 83, 1673-80 Redox Regulation of Protein Misfolding, Synaptic Damage, and Neuronal Loss in Neurodegenerative Diseases. 2011, 65-99 Role of Drp1, a key mitochondrial fission protein, in neuropathic pain. 2011, 31, 11404-10 Protein oxidative modifications in the ageing brain: consequence for the onset of neurodegenerative disease. 2011, 45, 73-88	7 151 68 73

1587	Experimental models of HD and reflection on therapeutic strategies. 2011 , 98, 419-81	14
1586	Calcium dysregulation and homeostasis of neural calcium in the molecular mechanisms of neurodegenerative diseases provide multiple targets for neuroprotection. 2011 , 14, 1275-88	244
1585	Mitochondrial effects of plant-made compounds. 2011 , 15, 3039-59	25
1584	Metal attenuating therapies in neurodegenerative disease. 2011 , 11, 1717-45	17
1583	The role of mitochondria in osteoarthritis. 2011 , 7, 161-9	260
1582	Reduced mitochondria cytochrome oxidase activity in adult children of mothers with Alzheimer's disease. 2011 , 27, 483-90	70
1581	Two Faces of Evil: Cancer and Neurodegeneration. 2011,	
1580	Trichloroethylene and Parkinson disease. 2011 , 29, 657-65	9
1579	Mitochondrial Dysfunction and Oxidative Stress in Asthma: Implications for Mitochondria-Targeted Antioxidant Therapeutics. 2011 , 4, 429-456	81
1578	Roles of oxidative stress, apoptosis, PGC-1\(\text{\text{\text{B}}}\)nd mitochondrial biogenesis in cerebral ischemia. 2011 , 12, 7199-215	226
1577	On the direct scavenging activity of melatonin towards hydroxyl and a series of peroxyl radicals. 2011 , 13, 7178-88	132
1576	The mitochondria-targeted antioxidant MitoQ prevents loss of spatial memory retention and early neuropathology in a transgenic mouse model of Alzheimer's disease. 2011 , 31, 15703-15	278
1575	Increase of the activity of phase II antioxidant enzymes in rats after a single dose of coffee. 2011 , 59, 10887-92	16
1574	The aging brain and neurodegenerative diseases. 2011 , 27, 629-44	23
1573	In Vitro Neurotoxicology. 2011 ,	5
1572	Tau accumulation causes mitochondrial distribution deficits in neurons in a mouse model of tauopathy and in human Alzheimer's disease brain. 2011 , 179, 2071-82	169
1571	In vivo mapping of hydrogen peroxide and oxidized glutathione reveals chemical and regional specificity of redox homeostasis. 2011 , 14, 819-29	226
1570	Protective effect of pioglitazone, a PPARIligand, in a 3 nitropropionic acid model of Huntington's disease. 2011 , 85, 231-7	34

1569	Radical changes in multiple sclerosis pathogenesis. 2011 , 1812, 141-50	212
1568	Analysis of the mitochondrial proteome in multiple sclerosis cortex. 2011 , 1812, 630-41	77
1567	Aging and amyloid beta-induced oxidative DNA damage and mitochondrial dysfunction in Alzheimer's disease: implications for early intervention and therapeutics. 2011 , 1812, 1359-70	193
1566	The inflammatory footprints of alcohol-induced oxidative damage in neurovascular components. 2011 , 25 Suppl 1, S129-36	35
1565	ICV STZ induced impairment in memory and neuronal mitochondrial function: A protective role of nicotinic receptor. 2011 , 224, 50-7	47
1564	Cu/Zn superoxide dismutase is differentially regulated in period gene-mutant mice. 2011 , 409, 22-7	30
1563	Postnatal proteasome inhibition induces neurodegeneration and cognitive deficiencies in adult mice: a new model of neurodevelopment syndrome. 2011 , 6, e28927	23
1562	Quality control of mitochondrial proteostasis. 2011 , 3,	194
1561	Effect of creatine, creatinine, and creatine ethyl ester on TLR expression in macrophages. 2011 , 11, 1341-7	15
1560	Decreased heat shock protein 27 expression and altered autophagy in human cells harboring A8344G mitochondrial DNA mutation. 2011 , 11, 739-49	17
1559	Functional imaging of membrane potential at the single mitochondrion level: possible application for diagnosis of human diseases. 2011 , 11, 764-73	15
1558	Modeling neurodegenerative disease pathophysiology in thiamine deficiency: consequences of impaired oxidative metabolism. 2011 , 58, 248-60	69
1557	Neuroprotective effect of naringin, a dietary flavonoid against 3-nitropropionic acid-induced neuronal apoptosis. 2011 , 59, 1066-73	69
1556	Hydrogen-rich saline reduces oxidative stress and inflammation by inhibit of JNK and NF-B activation in a rat model of amyloid-beta-induced Alzheimer's disease. 2011 , 491, 127-32	101
1555	Over-expression of Bynuclein 98 triggers intracellular oxidative stress and enhances susceptibility to rotenone. 2011 , 491, 148-52	8
1554	Protective effects of lycopene against amyloid Enduced neurotoxicity in cultured rat cortical neurons. 2011 , 505, 286-90	67
1553	Shift in brain metabolism in late onset Alzheimer's disease: implications for biomarkers and therapeutic interventions. 2011 , 32, 247-57	78
1552	Copper exposure effects on yeast mitochondrial proteome. 2011 , 74, 2522-35	19

1551	Rat liver mitochondrial proteome: changes associated with aging and acetyl-L-carnitine treatment. 2011 , 74, 2536-47	26
1550	Polygalae radix inhibits toxin-induced neuronal death in the Parkinson's disease models. 2011 , 134, 414-21	68
1549	Membrane integrity and amyloid cytotoxicity: a model study involving mitochondria and lysozyme fibrillation products. 2011 , 409, 826-38	48
1548	Multiple system atrophy: a clinical and neuropathological perspective. 2011 , 34, 581-90	110
1547	DNA repair deficiency in neurodegeneration. 2011 , 94, 166-200	235
1546	Combined expression of tau and the Harlequin mouse mutation leads to increased mitochondrial dysfunction, tau pathology and neurodegeneration. 2011 , 32, 1827-38	25
1545	Structural brain changes in normal individuals with a maternal history of Alzheimer's. 2011 , 32, 2325.e17-26	40
1544	Selective neuronal vulnerability in neurodegenerative diseases: from stressor thresholds to degeneration. 2011 , 71, 35-48	372
1543	Synaptoproteomics of learned helpless rats involve energy metabolism and cellular remodeling pathways in depressive-like behavior and antidepressant response. 2011 , 60, 1243-53	40
1542	Neuroprotective effects of neurokinin receptor one in dopaminergic neurons are mediated through Akt/PKB cell signaling pathway. 2011 , 61, 1389-98	12
1541	Effect of intermittent washout periods on progressive lesioning of the nigrostriatal pathway with 1-methyl-2-phenyl-1,2,3,6-tetrahydropyridine (MPTP). 2011 , 182, 203-7	4
1540	Long-term electromagnetic field treatment enhances brain mitochondrial function of both Alzheimer's transgenic mice and normal mice: a mechanism for electromagnetic field-induced cognitive benefit?. 2011 , 185, 135-49	64
1539	Identification and localization of a neuron-specific isoform of TAF1 in rat brain: implications for neuropathology of DYT3 dystonia. 2011 , 189, 100-7	27
1538	Protective effect of 2,2'-dithienyl diselenide on kainic acid-induced neurotoxicity in rat hippocampus. 2011 , 193, 300-9	8
1537	Intrinsic and integrative properties of substantia nigra pars reticulata neurons. 2011 , 198, 69-94	62
1536	Positive correlation between elevated plasma cholesterol levels and cognitive impairments in LDL receptor knockout mice: relevance of cortico-cerebral mitochondrial dysfunction and oxidative stress. 2011 , 197, 99-106	71
1535	Forebrain-specific constitutively active CaMKKEransgenic mice show deficits in hippocampus-dependent long-term memory. 2011 , 96, 238-47	8
1534	Silver nanoparticles induce oxidative cell damage in human liver cells through inhibition of reduced glutathione and induction of mitochondria-involved apoptosis. 2011 , 201, 92-100	497

1533	Boronate oxidation as a bioorthogonal reaction approach for studying the chemistry of hydrogen peroxide in living systems. 2011 , 44, 793-804	592
1532	Signal transduction by reactive oxygen species. 2011 , 194, 7-15	1518
1531	Emerging drugs for amyotrophic lateral sclerosis. 2011 , 16, 537-58	34
1530	Redox control of the survival of healthy and diseased cells. 2011 , 15, 2867-908	121
1529	Hydrogen peroxide sensors for cellular imaging based on horse radish peroxidase reconstituted on polymer-functionalized TiOlhanorods. 2011 , 3, 3907-14	26
1528	Stimuli-Triggered Off/On Switchable Complexation between a Novel Type of Charge-Generation Polymer (CGP) and Gold Nanoparticles for the Sensitive Colorimetric Detection of Hydrogen Peroxide and Glucose. 2011 , 44, 429-431	83
1527	A Strategy for Suppressing Redox Stress within Mitochondria. 2011 , 2, 608-13	22
1526	Mitochondrial DNA (mtDNA) and schizophrenia. 2011 , 26, 45-56	61
1525	Mitochondrial dysfunction and pathophysiology of Charcot-Marie-Tooth disease involving GDAP1 mutations. 2011 , 227, 31-41	70
1524	A selective role for ARMS/Kidins220 scaffold protein in spatial memory and trophic support of entorhinal and frontal cortical neurons. 2011 , 229, 409-20	26
1524 1523		3
1523	entorhinal and frontal cortical neurons. 2011 , 229, 409-20	
1523	entorhinal and frontal cortical neurons. 2011 , 229, 409-20 Chemotherapy effects on brain glucose metabolism at rest. 2011 ,	3
1523 1522	entorhinal and frontal cortical neurons. 2011, 229, 409-20 Chemotherapy effects on brain glucose metabolism at rest. 2011, . 2011,	3
1523 1522 1521	entorhinal and frontal cortical neurons. 2011, 229, 409-20 Chemotherapy effects on brain glucose metabolism at rest. 2011, . 2011, Mitochondrial DNA Repair. 2011, Rat mitochondrion-neuron focused microarray (rMNChip) and bioinformatics tools for rapid	3
1523 1522 1521 1520	entorhinal and frontal cortical neurons. 2011, 229, 409-20 Chemotherapy effects on brain glucose metabolism at rest. 2011, . 2011, Mitochondrial DNA Repair. 2011, Rat mitochondrion-neuron focused microarray (rMNChip) and bioinformatics tools for rapid identification of differential pathways in brain tissues. 2011, 7, 308-22	3 1
1523 1522 1521 1520 1519	entorhinal and frontal cortical neurons. 2011, 229, 409-20 Chemotherapy effects on brain glucose metabolism at rest. 2011, .2011, Mitochondrial DNA Repair. 2011, Rat mitochondrion-neuron focused microarray (rMNChip) and bioinformatics tools for rapid identification of differential pathways in brain tissues. 2011, 7, 308-22 Mitochondria are related to synaptic pathology in Alzheimer's disease. 2011, 2011, 305395 Metabolic agents that enhance ATP can improve cognitive functioning: a review of the evidence for	3 1 8 32

1515	Mitochondrial dysfunction in Parkinson's disease. 2011 , 2011, 716871	78
1514	Antioxidant effect of phycocyanin on oxidative stress induced with monosodium glutamate in rats. 2011 , 54, 733-738	18
1513	Regulation of Substantia Nigra Pars Reticulata GABAergic Neuron Activity by HDD ia Flufenamic Acid-Sensitive Channels and K Channels. 2011 , 5, 14	22
1512	Amyloid-Beta interaction with mitochondria. 2011 , 2011, 925050	172
1511	Molecular insights into the pathogenesis of Alzheimer's disease and its relationship to normal aging. 2011 , 6, e29610	58
1510	Oxidative stress modulation in neurodegenerative diseases. 2011 , 4, 219-225	
1509	Serum and cerebrospinal fluid uric acid levels in lewy body disorders: associations with disease occurrence and amyloid-[pathway. 2011 , 27, 119-26	37
1508	Recent progress toward hydrogen medicine: potential of molecular hydrogen for preventive and therapeutic applications. 2011 , 17, 2241-52	177
1507	Matter of life and death: the pharmacological approaches targeting apoptosis in brain diseases. 2011 , 17, 215-29	53
1506	Targeting mitochondrial bioenergetics for Alzheimer's prevention and treatment. 2011 , 17, 3474-9	24
1505	Role and treatment of mitochondrial DNA-related mitochondrial dysfunction in sporadic neurodegenerative diseases. 2011 , 17, 3356-73	29
1504	Mitophagy in neurodegeneration: an opportunity for therapy?. 2011 , 12, 790-9	22
1503	Oxidative stress and mitochondrial impairment after treatment with anti-HIV drugs: clinical implications. 2011 , 17, 4076-86	33
1502	Exercise training increases mitochondrial biogenesis in the brain. 2011 , 111, 1066-71	204
1501	Mitochondrial Eamyloid in Alzheimer's disease. 2011 , 39, 868-73	31
1500	Why does mitochondrial complex I have so many subunits?. 2011 , 437, e1-3	37
1499	Glutathione biosynthesis via activation of the nuclear factor E2-related factor 2 (Nrf2)antioxidant-response element (ARE) pathway is essential for neuroprotective effects of sulforaphane and 6-(methylsulfinyl) hexyl isothiocyanate. 2011 , 115, 320-8	65
1498	Endothelin-A receptor antagonists prevent amyloid-Induced increase in ETA receptor expression, oxidative stress, and cognitive impairment. 2011 , 23, 491-503	34

1497	Coenzyme Q10 decreases amyloid pathology and improves behavior in a transgenic mouse model of Alzheimer's disease. 2011 , 27, 211-23	85
1496	Review: The role of mitochondria in the pathogenesis of amyotrophic lateral sclerosis. 2011 , 37, 336-52	64
1495	Mutation in a mitochondrial ribosomal protein causes increased sensitivity to oxygen with decreased longevity in the nematode Caenorhabditis elegans. 2011 , 16, 69-79	6
1494	A mutation in a mitochondrial dehydrogenase/reductase gene causes an increased sensitivity to oxidative stress and mitochondrial defects in the nematode Caenorhabditis elegans. 2011 , 16, 1022-34	9
1493	Mitochondrial aconitase knockdown attenuates paraquat-induced dopaminergic cell death via decreased cellular metabolism and release of iron and HDII 2011 , 118, 79-92	50
1492	The phosphorylation status of extracellular-regulated kinase 1/2 in astrocytes and neurons from rat hippocampus determines the thrombin-induced calcium release and ROS generation. 2011 , 119, 1194-204	11
1491	Mitochondrial peptidase IMMP2L mutation causes early onset of age-associated disorders and impairs adult stem cell self-renewal. 2011 , 10, 584-94	51
1490	Dietary intake of antioxidant vitamins and risk of Parkinson's disease: a case-control study in Japan. 2011 , 18, 106-13	58
1489	Melatonin treatment restores mitochondrial function in Alzheimer's mice: a mitochondrial protective role of melatonin membrane receptor signaling. 2011 , 51, 75-86	125
1488	Mutant huntingtin binds the mitochondrial fission GTPase dynamin-related protein-1 and increases its enzymatic activity. 2011 , 17, 377-82	400
1487	A reversible form of axon damage in experimental autoimmune encephalomyelitis and multiple sclerosis. 2011 , 17, 495-9	499
1486	Regulation of cancer cell metabolism. 2011 , 11, 85-95	3403
1485	Biophysical properties and functional consequences of reactive oxygen species (ROS)-induced ROS release in intact myocardium. 2011 , 589, 5167-79	42
1484	Non-canonical Etatenin degradation mediates reactive oxygen species-induced epidermal cell death. 2011 , 30, 3336-44	7
1483	Loss of VOPP1 overexpression in squamous carcinoma cells induces apoptosis through oxidative cellular injury. 2011 , 91, 1170-80	22
1482	Molecular signatures in post-mortem brain tissue of younger individuals at high risk for Alzheimer's disease as based on APOE genotype. 2011 , 16, 836-47	33
1481	Bid-mediated mitochondrial damage is a key mechanism in glutamate-induced oxidative stress and AIF-dependent cell death in immortalized HT-22 hippocampal neurons. 2011 , 18, 282-92	135
1480	Hypothalamic inflammation: a double-edged sword to nutritional diseases. 2011 , 1243, E1-39	103

(2011-2011)

1479	Simultaneous enhancement of free isoflavone content and antioxidant potential of soybean by fermentation with Aspergillus oryzae. 2011 , 76, H194-200	21
1478	Antioxidant properties of dimethyl sulfoxide and its viability as a solvent in the evaluation of neuroprotective antioxidants. 2011 , 63, 209-15	66
1477	Age and Bynuclein expression interact to reveal a dependence of dopaminergic axons on endogenous Akt/PKB signaling. 2011 , 44, 215-22	20
1476	Brain fuel metabolism, aging, and Alzheimer's disease. 2011 , 27, 3-20	374
1475	Role of glial cells in innate immunity and their role in CNS demyelination. 2011 , 239, 13-20	39
1474	Evaluation of oxidative stress markers in pathogenesis of primary open-angle glaucoma. 2011 , 90, 231-7	59
1473	Mitochondrial dysfunction in Parkinson⊠ disease. 2011 , 5, 313-336	2
1472	Caveolin-1 deficiency causes cholesterol-dependent mitochondrial dysfunction and apoptotic susceptibility. 2011 , 21, 681-6	143
1471	The cytotoxic mechanism of malondialdehyde and protective effect of carnosine via protein cross-linking/mitochondrial dysfunction/reactive oxygen species/MAPK pathway in neurons. 2011 , 650, 184-94	58
1470	Neuroprotective and anti-inflammatory effects of mollugin via up-regulation of heme oxygenase-1 in mouse hippocampal and microglial cells. 2011 , 654, 226-34	43
1469	A ternary mechanism for NADH oxidation by positively charged electron acceptors, catalyzed at the flavin site in respiratory complex I. 2011 , 585, 2318-22	21
1468	Mutant ubiquitin (UBB+1) associated with neurodegenerative disorders is hydrolyzed by ubiquitin C-terminal hydrolase L3 (UCH-L3). 2011 , 585, 2568-74	30
1467	Neuroprotective strategies involving ROS in Alzheimer disease. 2011 , 51, 1014-26	272
1466	Highly active antiretroviral therapy drug combination induces oxidative stress and mitochondrial dysfunction in immortalized human blood-brain barrier endothelial cells. 2011 , 50, 801-10	64
1465	Behavioral stress causes mitochondrial dysfunction via ABAD up-regulation and aggravates plaque pathology in the brain of a mouse model of Alzheimer disease. 2011 , 50, 1526-35	35
1464	Paraquat induces behavioral changes and cortical and striatal mitochondrial dysfunction. 2011 , 51, 1428-36	68
1463	Zinc-desferrioxamine attenuates retinal degeneration in the rd10 mouse model of retinitis pigmentosa. 2011 , 51, 1482-91	47
1462	Complex I and cytochrome c are molecular targets of flavonoids that inhibit hydrogen peroxide production by mitochondria. 2011 , 1807, 1562-72	117

1461	Identify submitochondria and subchloroplast locations with pseudo amino acid composition: approach from the strategy of discrete wavelet transform feature extraction. 2011 , 1813, 424-30	31
1460	Mortalin overexpression attenuates beta-amyloid-induced neurotoxicity in SH-SY5Y cells. 2011 , 1368, 336-45	50
1459	Estrogen protection against mitochondrial toxin-induced cell death in hippocampal neurons: antagonism by progesterone. 2011 , 1379, 2-10	32
1458	Paeonol increases levels of cortical cytochrome oxidase and vascular actin and improves behavior in a rat model of Alzheimer's disease. 2011 , 1388, 141-7	56
1457	Possible role of propofol's cyclooxygenase-inhibiting property in alleviating dopaminergic neuronal loss in the substantia nigra in an MPTP-induced murine model of Parkinson's disease. 2011 , 1387, 125-33	8
1456	Mitochondrial uncoupling agents antagonize rotenone actions in rat substantia nigra dopamine neurons. 2011 , 1395, 86-93	21
1455	Mitochondrial permeability transition in Ca(2+)-dependent apoptosis and necrosis. 2011 , 50, 222-33	384
1454	The regulation of mitochondrial morphology: intricate mechanisms and dynamic machinery. 2011 , 23, 1534-45	207
1453	High-mobility group box 1, oxidative stress, and disease. 2011 , 14, 1315-35	368
1452	Behavioral deficit, oxidative stress, and mitochondrial dysfunction precede tau pathology in P301S transgenic mice. 2011 , 25, 4063-72	82
1451	Toxic response caused by a misfolding variant of the mitochondrial protein short-chain acyl-CoA dehydrogenase. 2011 , 34, 465-75	9
1450	An acetate prodrug of a pyridinol-based vitamin E analogue. 2011 , 28, 2896-909	14
1449	Behavioral and neurochemical effects of proline. 2011 , 26, 159-72	50
1448	Evaluation of respiratory chain activity in lymphocytes of patients with Alzheimer disease. 2011 , 26, 229-36	22
1447	A mitochondria-localized glutamic acid-rich protein (MGARP/OSAP) is highly expressed in retina that exhibits a large area of intrinsic disorder. 2011 , 38, 2869-77	13
1446	Alterations in inflammatory mediators, oxidative stress parameters and energetic metabolism in the brain of sepsis survivor rats. 2011 , 36, 304-11	47
1445	Evaluation of markers of oxidative stress, antioxidant function and astrocytic proliferation in the striatum and frontal cortex of Parkinson's disease brains. 2011 , 36, 1452-63	106
1444	Neuroprotective effect of Salvia sahendica is mediated by restoration of mitochondrial function and inhibition of endoplasmic reticulum stress. 2011 , 36, 2216-26	12

(2011-2011)

1443	Novel variant Pro143Ala in HTRA2 contributes to Parkinson's disease by inducing hyperphosphorylation of HTRA2 protein in mitochondria. 2011 , 130, 817-27	48
1442	Peroxisomal alterations in Alzheimer's disease. 2011 , 122, 271-83	137
1441	Heterogeneous patterns of tissue injury in NARP syndrome. 2011 , 258, 440-8	41
1440	The role of mitochondria in neurodegenerative diseases. 2011 , 258, 1763-74	92
1439	Proteomics analysis of MPP+-induced apoptosis in SH-SY5Y cells. 2011 , 32, 221-8	16
1438	Inherited and somatic mitochondrial DNA mutations in Guam amyotrophic lateral sclerosis and parkinsonism-dementia. 2011 , 32, 883-92	12
1437	Hydrogen sulfide: its production, release and functions. 2011 , 41, 113-21	468
1436	Neuroprotective effects of creatine. 2011 , 40, 1305-13	123
1435	Light- and sodium azide-induced death of RGC-5 cells in culture occurs via different mechanisms. 2011 , 16, 425-37	40
1434	Age-related oxidative decline of mitochondrial functions in rat brain is prevented by long term oral antioxidant supplementation. 2011 , 12, 119-31	24
1433	Inorganic arsenic causes cell apoptosis in mouse cerebrum through an oxidative stress-regulated signaling pathway. 2011 , 85, 565-75	77
1432	Inhibitory effects of alcohol on glucose transport across the blood-brain barrier leads to neurodegeneration: preventive role of acetyl-L: -carnitine. 2011 , 214, 707-18	36
1431	Mechanism and kinetics of the hydroxyl and hydroperoxyl radical scavenging activity of N-acetylcysteine amide. 2011 , 130, 51-60	22
1430	Synthesis and study of 2-amino-7-bromofluorenes modified with nitroxides and their precursors as dual anti-amyloid and antioxidant active compounds. 2011 , 46, 1348-55	12
1429	Characterization of Myelin Sheath F(o)F(1)-ATP synthase and its regulation by IF(1). 2011 , 59, 63-70	39
1428	Bilobalide protects mitochondrial function in ovariectomized rats by up-regulation of mRNA and protein expression of cytochrome c oxidase subunit I. 2011 , 45, 69-75	14
1427	The origin and development of plaques and phosphorylated tau are associated with axonopathy in Alzheimer's disease. 2011 , 27, 287-99	24
1426	Oxidative stress modulation in neurodegenerative diseases. 2011 , 4, 219-225	1

1425	Oxidative stress, frailty and cognitive decline. 2011 , 15, 756-60	83
1424	Expression profiling of liver in Java medaka fish exposed to 17 Estradiol. 2011 , 7, 271-281	3
1423	Lost in elimination: mechanisms of axonal loss. 2011 , 17, 21-34	11
1422	Localization of sequence variations in PGC-1Hnfluence their modifying effect in Huntington disease. 2011 , 6, 1	65
1421	High-level inhibition of mitochondrial complexes III and IV is required to increase glutamate release from the nerve terminal. 2011 , 6, 53	20
1420	Energy matters: mitochondrial proteomics for biomedicine. 2011 , 11, 657-74	8
1419	Adaptation of microplate-based respirometry for hippocampal slices and analysis of respiratory capacity. 2011 , 89, 1979-88	44
1418	Cross-talk between cell cycle induction and mitochondrial dysfunction during oxidative stress and nerve growth factor withdrawal in differentiated PC12 cells. 2011 , 89, 1302-15	13
1417	Explaining ADAGIO: a critical review of the biological basis for the clinical effects of rasagiline. 2011 , 26, 2316-23	46
1416	Vesicular monoamine transporters: structure-function, pharmacology, and medicinal chemistry. 2011 , 31, 483-519	116
1415	Mitochondrial DNA deletions and neurodegeneration in multiple sclerosis. 2011 , 69, 481-92	255
1414	Antioxidants halt axonal degeneration in a mouse model of X-adrenoleukodystrophy. 2011 , 70, 84-92	107
1413	13C MRS studies of neuroenergetics and neurotransmitter cycling in humans. 2011 , 24, 943-57	208
1412	Protein stability of mitochondrial superoxide dismutase SOD2 is regulated by USP36. 2011 , 112, 498-508	23
1411	A novel approach for the purification and proteomic analysis of pathogenic immunoglobulin free light chains from serum. 2011 , 1814, 409-19	34
1410	Loss of the tuberous sclerosis complex protein tuberin causes Purkinje cell degeneration. 2011 , 43, 113-22	54
1409	Effect of Cu(II) coordination compounds on the activity of antioxidant enzymes catalase and superoxide dismutase in patients with colorectal cancer. 2011 , 83, 155-60	7
1408	Quantitative analysis of amino Acid oxidation markers by tandem mass spectrometry. 2011 , 491, 73-89	37

(2011-2011)

1407	WITHDRAWN: Reprint of: Mitochondria: Their role in ganglion cell death and survival in primary open angle glaucoma. 2011 ,	1
1406	Mitochondrial H2O2 generated from electron transport chain complex I stimulates muscle differentiation. 2011 , 21, 817-34	128
1405	Targeting monoamine oxidases with multipotent ligands: an emerging strategy in the search of new drugs against neurodegenerative diseases. 2011 , 18, 4568-87	66
1404	Fuse. 2011 ,	2
1403	Progressive regional atrophy in normal adults with a maternal history of Alzheimer disease. 2011 , 76, 822-9	76
1402	Mitochondria as a therapeutic target for aging and neurodegenerative diseases. 2011 , 8, 393-409	158
1401	Nearest hyperplane distance neighbor clustering algorithm applied to gene co-expression analysis in Alzheimer's disease. 2011 , 2011, 5559-62	4
1400	Oxidative damage compromises energy metabolism in the axonal degeneration mouse model of X-adrenoleukodystrophy. 2011 , 15, 2095-107	68
1399	Cyclosporin A preserves mitochondrial function after traumatic brain injury in the immature rat and piglet. 2011 , 28, 763-74	73
1398	Parkin' control: regulation of PGC-1Ethrough PARIS in Parkinson's disease. 2011 , 4, 427-9	22
1397	Mitochondrial enzymes are protected from stress-induced aggregation by mitochondrial chaperones and the Pim1/LON protease. 2011 , 22, 541-54	114
1396	Neuron-specific proteotoxicity of mutant ataxin-3 in C. elegans: rescue by the DAF-16 and HSF-1 pathways. 2011 , 20, 2996-3009	74
1395	Alzheimer's dementia begins as a disease of small blood vessels, damaged by oxidative-induced inflammation and dysregulated amyloid metabolism: implications for early detection and therapy. 2011 , 25, 5-13	176
1394	Parkin degrades estrogen-related receptors to limit the expression of monoamine oxidases. 2011 , 20, 1074-83	49
1393	Oxidative stress in neurodegeneration. 2011 , 2011, 572634	149
1392	Amyloid Enduced impairments in hippocampal synaptic plasticity are rescued by decreasing mitochondrial superoxide. 2011 , 31, 5589-95	115
1391	Functional genomic screen and network analysis reveal novel modifiers of tauopathy dissociated from tau phosphorylation. 2011 , 20, 4947-77	78
1390	Enzymatic dysfunction of mitochondrial complex I of the Candida albicans goa1 mutant is associated with increased reactive oxidants and cell death. 2011 , 10, 672-82	60

1389	Apolipoprotein E4 domain interaction mediates detrimental effects on mitochondria and is a potential therapeutic target for Alzheimer disease. 2011 , 286, 5215-21	124
1388	Synergistic interactions between heregulin and peroxisome proliferator-activated receptor-gamma (PPARgamma) agonist in breast cancer cells. 2011 , 286, 20087-99	8
1387	Loss of a conserved tyrosine residue of cytochrome b induces reactive oxygen species production by cytochrome bc1. 2011 , 286, 18139-48	35
1386	Parkinson's diseasethe continuing search for biomarkers. 2011 , 49, 393-401	11
1385	Superoxide is produced by the reduced flavin in mitochondrial complex I: a single, unified mechanism that applies during both forward and reverse electron transfer. 2011 , 286, 18056-65	201
1384	Studies on Renal Disorders. 2011 ,	3
1383	Role of oxidative stress in rabies virus infection. 2011 , 79, 127-38	11
1382	The mitochondrial cascade hypothesis for Parkinson's disease. 2011 , 17, 3390-7	29
1381	Mitochondria: the common upstream driver of amyloid-land tau pathology in Alzheimer's disease. 2011 , 8, 563-72	57
1380	Neuronal intracellular transport and neurodegenerative disease. 2011 , 76, 1015-20	10
1379	Green tea epigallocatechin-3-gallate (EGCG) and other flavonoids reduce Alzheimer's amyloid-induced mitochondrial dysfunction. 2011 , 26, 507-21	120
1378	The striatum is highly susceptible to mitochondrial oxidative phosphorylation dysfunctions. 2011 , 31, 9895-904	84
1377	Helicobacter pylori vacuolating cytotoxin A (VacA) engages the mitochondrial fission machinery to induce host cell death. 2011 , 108, 16032-7	102
1376	Parkin ubiquitinates Drp1 for proteasome-dependent degradation: implication of dysregulated mitochondrial dynamics in Parkinson disease. 2011 , 286, 11649-58	262
1375	A scaffold of accessory subunits links the peripheral arm and the distal proton-pumping module of mitochondrial complex I. 2011 , 437, 279-88	71
1374	Neurodegenerative processes in Alzheimer disease: an overview of pathogenesis with strategic biomarker potential. 2011 , 6, 173-185	
1373	Loss of caspase-2-dependent apoptosis induces autophagy after mitochondrial oxidative stress in primary cultures of young adult cortical neurons. 2011 , 286, 8493-8506	55
1372	The metabolic footprint of aging in mice. 2011 , 1, 134	330

1371	Oxr1 is essential for protection against oxidative stress-induced neurodegeneration. 2011 , 7, e1002338	93
1370	Changes of mitochondrial ultrastructures and function in central nervous tissue of hens treated with tri-ortho-cresyl phosphate (TOCP). 2011 , 30, 1062-72	14
1369	Neuroprotective effects of anthocyanins on apoptosis induced by mitochondrial oxidative stress. 2011 , 14, 249-59	48
1368	Caloric restriction and redox state: does this diet increase or decrease oxidant production?. 2011 , 16, 237-41	27
1367	Functional dissection of the proton pumping modules of mitochondrial complex I. 2011 , 9, e1001128	63
1366	Ascorbic acid, alpha-tocopherol, and beta-carotene reduce oxidative stress and proinflammatory cytokines in mononuclear cells of Alzheimer's disease patients. 2012 , 15, 244-51	29
1365	Alternative oxidase rescues mitochondria-mediated dopaminergic cell loss in Drosophila. 2012 , 21, 2698-712	45
1364	Is There a Link between Mitochondrial Reserve Respiratory Capacity and Aging?. 2012 , 2012, 192503	127
1363	Neuroprotective effects of erucin against 6-hydroxydopamine-induced oxidative damage in a dopaminergic-like neuroblastoma cell line. 2012 , 13, 10899-910	28
1362	Lipocalin-type prostaglandin D synthase protects against oxidative stress-induced neuronal cell death. 2012 , 443, 75-84	38
1361	DJ-1 promotes the proteasomal degradation of Fis1: implications of DJ-1 in neuronal protection. 2012 , 447, 261-9	31
1360	Recent advances in obesity: genetics and beyond. 2012 , 2012, 536905	51
1359	Spinocerebellar ataxia type 28. 2012 , 103, 575-9	4
1358	Nitric oxide Imediated signalization and nitrosative stress in neuropathology / Azot oksid I posredovana signalizacija i nitrozativni stres u neuropatologiji. 2012 , 31, 295-300	3
1357	Mitochondrial dysfunction and Purkinje cell loss in autosomal recessive spastic ataxia of Charlevoix-Saguenay (ARSACS). 2012 , 109, 1661-6	120
1356	O2 Analysis on a Fluorescence Spectrometer or Plate Reader. 2012 , 29-69	
1355	Toxic role of K+ channel oxidation in mammalian brain. 2012 , 32, 4133-44	64
1354	Mitochondrial dynamics and autophagy aid in removal of persistent mitochondrial DNA damage in Caenorhabditis elegans. 2012 , 40, 7916-31	91

1353	Brain Aging and Therapeutic Interventions. 2012,	4
1352	Pantothenate kinase-associated neurodegeneration: altered mitochondria membrane potential and defective respiration in Pank2 knock-out mouse model. 2012 , 21, 5294-305	7 ²
1351	Exploring the therapeutic space around NAD+. 2012 , 199, 205-9	81
1350	Immunocal and preservation of glutathione as a novel neuroprotective strategy for degenerative disorders of the nervous system. 2012 , 7, 230-5	17
1349	Imaging Localised Hydrogen Peroxide Production in Living Systems. 2012 , 6, 113-122	2
1348	The progress of selective fluorescent chemosensors by boronic acid. 2012 , 19, 2621-37	14
1347	Oxidative stress modulates mitochondrial failure and cyclophilin D function in X-linked adrenoleukodystrophy. 2012 , 135, 3584-98	62
1346	Regenerative Mitochondrien-Medizin Ivon der Forschung in die Praxis. 2012 , 10, 20-22	
1345	Toxin models of mitochondrial dysfunction in Parkinson's disease. 2012 , 16, 920-34	158
1344	Knockout punch: cardiolipin oxidation in trauma. 2012 , 15, 1325-7	6
1344	Knockout punch: cardiolipin oxidation in trauma. 2012, 15, 1325-7 Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta, China. 2012, 22, 93-100	4
	Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta,	
1343	Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta, China. 2012 , 22, 93-100 Glucagon-like peptide-1 cleavage product GLP-1(9-36) amide rescues synaptic plasticity and	4
1343 1342	Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta, China. 2012, 22, 93-100 Glucagon-like peptide-1 cleavage product GLP-1(9-36) amide rescues synaptic plasticity and memory deficits in Alzheimer's disease model mice. 2012, 32, 13701-8 Tryptamine-gallic acid hybrid prevents non-steroidal anti-inflammatory drug-induced gastropathy: correction of mitochondrial dysfunction and inhibition of apoptosis in gastric mucosal cells. 2012,	4 81
1343 1342 1341	Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta, China. 2012, 22, 93-100 Glucagon-like peptide-1 cleavage product GLP-1(9-36) amide rescues synaptic plasticity and memory deficits in Alzheimer's disease model mice. 2012, 32, 13701-8 Tryptamine-gallic acid hybrid prevents non-steroidal anti-inflammatory drug-induced gastropathy: correction of mitochondrial dysfunction and inhibition of apoptosis in gastric mucosal cells. 2012, 287, 3495-509 Amyotrophic lateral sclerosis: new insights into underlying molecular mechanisms and	4 81 20
1343 1342 1341 1340	Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta, China. 2012, 22, 93-100 Glucagon-like peptide-1 cleavage product GLP-1(9-36) amide rescues synaptic plasticity and memory deficits in Alzheimer's disease model mice. 2012, 32, 13701-8 Tryptamine-gallic acid hybrid prevents non-steroidal anti-inflammatory drug-induced gastropathy: correction of mitochondrial dysfunction and inhibition of apoptosis in gastric mucosal cells. 2012, 287, 3495-509 Amyotrophic lateral sclerosis: new insights into underlying molecular mechanisms and opportunities for therapeutic intervention. 2012, 17, 1277-330 Molecular chaperones protect against JNK- and Nmnat-regulated axon degeneration in Drosophila.	4 81 20 50
1343 1342 1341 1340	Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta, China. 2012, 22, 93-100 Glucagon-like peptide-1 cleavage product GLP-1(9-36) amide rescues synaptic plasticity and memory deficits in Alzheimer's disease model mice. 2012, 32, 13701-8 Tryptamine-gallic acid hybrid prevents non-steroidal anti-inflammatory drug-induced gastropathy: correction of mitochondrial dysfunction and inhibition of apoptosis in gastric mucosal cells. 2012, 287, 3495-509 Amyotrophic lateral sclerosis: new insights into underlying molecular mechanisms and opportunities for therapeutic intervention. 2012, 17, 1277-330 Molecular chaperones protect against JNK- and Nmnat-regulated axon degeneration in Drosophila. 2013, 126, 838-49	4 81 20 50

1335	Store-operated Ca2+ entry (SOCE) pathways. 2012 ,	1
1334	Oxidative stress in neurodegeneration: targeting mitochondria as a therapeutic aid. 2012 , 137-161	1
1333	Improvements in a Mouse Model of Alzheimer's Disease Through SOD2 Overexpression are Due to Functional and Not Structural Alterations. 2012 , 5, 1-6	8
1332	Nuclear transport: a switch for the oxidative stress-signaling circuit?. 2012 , 2012, 208650	48
1331	New insights in the amyloid-Beta interaction with mitochondria. 2012 , 2012, 324968	58
1330	Oxidative stress, mitochondrial dysfunction, and aging. 2012 , 2012, 646354	530
1329	Molecular mechanisms for age-associated mitochondrial deficiency in skeletal muscle. 2012 , 2012, 768304	10
1328	Serum S-100B levels in children with Subacute Sclerosing Panencephalitis. 2012 , 3,	
1327	Endonuclease VIII-like 1 (NEIL1) promotes short-term spatial memory retention and protects from ischemic stroke-induced brain dysfunction and death in mice. 2012 , 109, 14948-53	54
1326	Activation of transcription factor MEF2D by bis(3)-cognitin protects dopaminergic neurons and ameliorates Parkinsonian motor defects. 2012 , 287, 34246-55	38
1325	Protein interacting with C kinase (PICK1) is a suppressor of spinocerebellar ataxia 3-associated neurodegeneration in Drosophila. 2012 , 21, 76-84	18
1324	Human Cockayne syndrome B protein reciprocally communicates with mitochondrial proteins and promotes transcriptional elongation. 2012 , 40, 8392-405	49
1323	Endoplasmic reticulum stress impairs insulin signaling through mitochondrial damage in SH-SY5Y cells. 2012 , 20, 265-80	29
1322	Decreased mRNA expression of PGC-1\(\text{\flat}\) nd PGC-1\(\text{\flat}\) egulated factors in the SOD1G93A ALS mouse model and in human sporadic ALS. 2012 , 71, 1064-74	64
1321	ACKNOWLEDGEMENT. 2012, 7, i-i	
1320	Opiate drug use and the pathophysiology of neuroAIDS. 2012 , 10, 435-52	7 6
1319	F2-isoprostanes: an emerging pulmonary arterial hypertension biomarker and potential link to the metabolic theory of pulmonary arterial hypertension?. 2012 , 142, 816-820	4
1318	Inhibition of polyglutamine-mediated proteotoxicity by Astragalus membranaceus polysaccharide through the DAF-16/FOXO transcription factor in Caenorhabditis elegans. 2012 , 441, 417-24	65

1317	A new mouse model of dry eye disease: oxidative stress affects functional decline in the lacrimal gland. 2012 , 31 Suppl 1, S63-7	50
1316	Physiology and pathology of calcium signaling in the brain. 2012 , 3, 61	95
1315	Phloroglucinol exerts protective effects against oxidative stressInduced cell damage in SH-SY5Y cells. 2012 , 119, 186-92	24
1314	Cysteine reactivity distinguishes redox sensing by the heat-inducible and constitutive forms of heat shock protein 70. 2012 , 19, 1391-9	71
1313	PGC-1H escues Huntington's disease proteotoxicity by preventing oxidative stress and promoting TFEB function. 2012 , 4, 142ra97	315
1312	Promoter polymorphisms in two overlapping 6p25 genes implicate mitochondrial proteins in cognitive deficit in schizophrenia. 2012 , 17, 1328-39	14
1311	Longitudinal characterization of the brain proteomes for the tg2576 amyloid mouse model using shotgun based mass spectrometry. 2012 , 11, 6159-74	22
1310	Effects of quantum coherence in metalloprotein electron transfer. 2012 , 86, 031922	9
1309	Thinking outside the cleft to understand synaptic activity: contribution of the cystine-glutamate antiporter (System xc-) to normal and pathological glutamatergic signaling. 2012 , 64, 780-802	135
1308	A disproportionate role for mtDNA in Dobzhansky-Muller incompatibilities?. 2012 , 21, 4942-57	193
1307	Dual effects of hydrogen sulphide on focal cerebral ischaemic injury via modulation of oxidative stress-induced apoptosis. 2012 , 39, 765-71	16
1306	PGC1\(\text{\text{\text{B}}}\) nd mitochondrial metabolismemerging concepts and relevance in ageing and neurodegenerative disorders. 2012 , 125, 4963-71	399
1305	Alzheimer's disease and amyloid: culprit or coincidence?. 2012 , 102, 277-316	58
1304	Translational control of mitochondrial energy production mediates neuron morphogenesis. 2012 , 16, 789-800	56
1303	Amyloids as Sensors and Protectors (ASAP) hypothesis. 2012 , 29, 503-14	3
1302	Synthesis and biological activities of N-(3-carboxylpropyl)-5-amino-2-hydroxy-3-tridecyl-1,4-benzoquinone and analogues. 2012 , 75, 2209-15	5
1301	Towards quantum simulations of biological information flow. 2012 , 2, 522-8	13
1300	AGEs induce cell death via oxidative and endoplasmic reticulum stresses in both human SH-SY5Y neuroblastoma cells and rat cortical neurons. 2012 , 32, 1299-309	41

1299	Mitochondrial outer-membrane protein FUNDC1 mediates hypoxia-induced mitophagy in mammalian cells. 2012 , 14, 177-85	917
1298	The neurochemical profile quantified by in vivo 1H NMR spectroscopy. 2012 , 61, 342-62	157
1297	A unique approach to development of near-infrared fluorescent sensors for in vivo imaging. 2012 , 134, 13510-23	452
1296	Central role and mechanisms of Evell dysfunction and death in friedreich ataxia-associated diabetes. 2012 , 72, 971-82	60
1295	Direct observation of internalization and ROS generation of amyloid Epeptide in neuronal cells at subcellular resolution. 2012 , 13, 2335-8	16
1294	Alcohol-induced oxidative/nitrosative stress alters brain mitochondrial membrane properties. 2013 , 375, 39-47	58
1293	Family history and APOE-4 genetic risk in Alzheimer's disease. 2012 , 22, 298-309	33
1292	Hispidin produced from Phellinus linteus protects against peroxynitrite-mediated DNA damage and hydroxyl radical generation. 2012 , 199, 137-42	35
1291	Age-related oxidative stress compromises endosomal proteostasis. 2012 , 2, 136-49	56
1290	Targeting of XJB-5-131 to mitochondria suppresses oxidative DNA damage and motor decline in a mouse model of Huntington's disease. 2012 , 2, 1137-42	102
1289	Neuroprotective effect of raspberry extract by inhibiting peroxynitrite-induced DNA damage and hydroxyl radical formation. 2012 , 49, 22-26	23
1288	Mitochondrial dysfunction in epilepsy. 2012 , 12, 35-40	105
1287	Evidence of acrylamide induced oxidative stress and neurotoxicity in Drosophila melanogaster - its amelioration with spice active enrichment: relevance to neuropathy. 2012 , 33, 1254-64	60
1286	Non-coding RNA in Neurodegeneration. 2012 , 1, 219-228	
1285	Sleep tight, wake up bright. 2012 , 15, 1327-9	4
1284	A greatly extended PPARGC1A genomic locus encodes several new brain-specific isoforms and influences Huntington disease age of onset. 2012 , 21, 3461-73	72
1283	Elemental mass spectrometry for Se-dependent glutathione peroxidase determination in red blood cells as oxidative stress biomarker. 2012 , 27, 1949	9
1282	Mitochondrial oxidative stress index, activity of redox-sensitive aconitase and effects of endogenous anti- and pro-oxidants on its activity in control, Alzheimer's disease and Swedish Familial Alzheimer's disease brain. 2012 , 46, 1490-5	11

1281	Mitochondrial and metabolic-based protective strategies in Huntington's disease: the case of creatine and coenzyme Q. 2011 , 23, 13-28	13
1280	Evolution and function of CAG/polyglutamine repeats in protein-protein interaction networks. 2012 , 40, 4273-87	132
1279	Nanomolar hydrogen peroxide detection using horseradish peroxidase covalently linked to undoped nanocrystalline diamond surfaces. 2012 , 28, 587-92	44
1278	Phospholipase C-lactivity may contribute to Alzheimer's disease-associated calciumopathy. 2012 , 30, 737-44	12
1277	An inverse-Warburg effect and the origin of Alzheimer's disease. 2012 , 13, 583-94	59
1276	A mitochondria-localized two-photon fluorescent probe for ratiometric imaging of hydrogen peroxide in live tissue. 2012 , 48, 3518-20	139
1275	Synaptic proteome changes in a DNA repair deficient ercc1 mouse model of accelerated aging. 2012 , 11, 1855-67	27
1274	NAD+ metabolism and oxidative stress: the golden nucleotide on a crown of thorns. 2012 , 17, 28-46	91
1273	The diverse role of the PPARIzoactivator 1 family of transcriptional coactivators in cancer. 2012 , 23, 381-8	45
1272	Effects of ApoE4 and maternal history of dementia on hippocampal atrophy. 2012 , 33, 856-66	45
1271	Cognitive impairment and increased Allevels induced by paraquat exposure are attenuated by enhanced removal of mitochondrial H(2)O(2). 2012 , 33, 432.e15-26	43
1270	Age-dependent axonal transport and locomotor changes and tau hypophosphorylation in a "P301L" tau knockin mouse. 2012 , 33, 621.e1-621.e15	66
1269	Maternal age affects brain metabolism in adult children of mothers affected by Alzheimer's disease. 2012 , 33, 624.e1-9	7
1268	Amyloid Enduced ER stress is enhanced under mitochondrial dysfunction conditions. 2012, 33, 824.e5-16	55
1267	Association of a citrate synthase missense mutation with age-related hearing loss in A/J mice. 2012 , 33, 1720-9	33
1266	The early events of Alzheimer's disease pathology: from mitochondrial dysfunction to BDNF axonal transport deficits. 2012 , 33, 1122.e1-10	55
1265	Impact of aging and diet restriction on retinal function during and after acute intraocular pressure injury. 2012 , 33, 1126.e15-25	53
1264	Mechanisms of age-related macular degeneration. 2012 , 75, 26-39	556

1263	PGC-1th the intersection of bioenergetics regulation and neuron function: from Huntington's disease to Parkinson's disease and beyond. 2012 , 97, 142-51	93
1262	Targeting synaptic dysfunction in Alzheimer's disease therapy. 2012 , 46, 572-87	62
1261	A defect in the mitochondrial complex III, but not complex IV, triggers early ROS-dependent damage in defined brain regions. 2012 , 21, 5066-77	65
1260	Rit GTPase signaling promotes immature hippocampal neuronal survival. 2012 , 32, 9887-97	22
1259	Leucine-rich repeat kinase 2 disturbs mitochondrial dynamics via Dynamin-like protein. 2012 , 122, 650-8	120
1258	Klotho and K lotho. 2012 , 728, 25-40	55
1257	Mechanisms of altered redox regulation in neurodegenerative diseasesfocus on Sglutathionylation. 2012 , 16, 543-66	82
1256	Mitochondrial dysfunction in Parkinson's disease: molecular mechanisms and pathophysiological consequences. 2012 , 31, 3038-62	388
1255	Hypothalamic dysfunction in obesity. 2012 , 71, 521-33	92
1254	Do tocotrienols have potential as neuroprotective dietary factors?. 2012 , 11, 163-80	71
1253	Natural polyphenols against neurodegenerative disorders: potentials and pitfalls. 2012 , 11, 329-45	185
1252	Extra-mitochondrial aerobic metabolism in retinal rod outer segments: new perspectives in retinopathies. 2012 , 78, 423-7	31
1251	Mitochondrial calcium homeostasis as potential target for mitochondrial medicine. 2012 , 12, 77-85	121
1250	(S)-ZJM-289, a nitric oxide-releasing derivative of 3-n-butylphthalide, protects against ischemic neuronal injury by attenuating mitochondrial dysfunction and associated cell death. 2012 , 60, 134-44	33
1249	Guanosine protects human neuroblastoma SH-SY5Y cells against mitochondrial oxidative stress by inducing heme oxigenase-1 via PI3K/Akt/GSK-3[pathway. 2012 , 61, 397-404	87
1248	Suppression of autophagy exacerbates Mefloquine-mediated cell death. 2012 , 515, 162-7	20
1247	Abnormal mitochondrial dynamics and synaptic degeneration as early events in Alzheimer's disease: implications to mitochondria-targeted antioxidant therapeutics. 2012 , 1822, 639-49	251
1246	Oxidative stress underlying axonal degeneration in adrenoleukodystrophy: a paradigm for multifactorial neurodegenerative diseases?. 2012 , 1822, 1475-88	71

1245	Dynamin-related protein 1 heterozygote knockout mice do not have synaptic and mitochondrial deficiencies. 2012 , 1822, 862-74	42
1244	Molecular hydrogen is a novel antioxidant to efficiently reduce oxidative stress with potential for the improvement of mitochondrial diseases. 2012 , 1820, 586-94	119
1243	Overexpression of TFAM, NRF-1 and myr-AKT protects the MPP(+)-induced mitochondrial dysfunctions in neuronal cells. 2012 , 1820, 577-85	62
1242	The neuroprotective potential of phenolic-enriched fractions from four Juniperus species found in Portugal. 2012 , 135, 562-70	25
1241	Mitochondrial chaperone DnaJA3 induces Drp1-dependent mitochondrial fragmentation. 2012 , 44, 1366-76	19
1240	Light and electron microscopic characterization of the evolution of cellular pathology in YAC128 Huntington's disease transgenic mice. 2012 , 88, 137-47	31
1239	Transcriptome analysis in mitochondrial disorders. 2012 , 88, 285-93	14
1238	Probing oxidative stress: Small molecule fluorescent sensors of metal ions, reactive oxygen species, and thiols. 2012 , 256, 2333-2356	250
1237	Local translation of extranuclear lamin B promotes axon maintenance. 2012 , 148, 752-64	191
1236	Antitelomerase therapy provokes ALT and mitochondrial adaptive mechanisms in cancer. 2012 , 148, 651-63	198
1235	Huntingtin protein interactions altered by polyglutamine expansion as determined by quantitative proteomic analysis. 2012 , 11, 2006-21	83
1234	Alzheimer's disease: redox dysregulation as a common denominator for diverse pathogenic mechanisms. 2012 , 16, 974-1031	144
1233	Mitochondria, oxidative stress and neurodegeneration. 2012 , 322, 254-62	524
1232	S-Glutathionylation underscores the modulation of the heteromeric Kir4.1-Kir5.1 channel in oxidative stress. 2012 , 590, 5335-48	13
1231	FUSE: a profit maximization approach for functional summarization of biological networks. 2012 , 13 Suppl 3, S10	19
1230	Astaxanthin protects against MPP(+)-induced oxidative stress in PC12 cells via the HO-1/NOX2 axis. 2012 , 13, 156	60
1229	The cerebrospinal fluid proteome in HIV infection: change associated with disease severity. 2012 , 9, 3	24
1228	Blockade of adenosine A2A receptors prevents interleukin-1 Enduced exacerbation of neuronal toxicity through a p38 mitogen-activated protein kinase pathway. 2012 , 9, 204	44

1227	Ablation of serum response factor in dopaminergic neurons exacerbates susceptibility towards MPTP-induced oxidative stress. 2012 , 35, 735-41	7
1226	Mitochondrial superoxide production negatively regulates neural progenitor proliferation and cerebral cortical development. 2012 , 30, 2535-47	68
1225	Mitochondria-specific accumulation of amyloid Induces mitochondrial dysfunction leading to apoptotic cell death. 2012 , 7, e34929	154
1224	Synaptic energy use and supply. 2012 , 75, 762-77	816
1223	Mitochondrial biogenesis contributes to ischemic neuroprotection afforded by LPS pre-conditioning. 2012 , 123 Suppl 2, 125-37	33
1222	Soluble forms of tau are toxic in Alzheimer's disease. 2012 , 3, 223-233	133
1221	Voltage-dependent anion channels (VDACs) recruit Parkin to defective mitochondria to promote mitochondrial autophagy. 2012 , 287, 40652-60	149
1220	Zinc in Stroke: Time for a New Approach?. 2012 , 209-226	2
1219	Probing mechanisms that underlie human neurodegenerative diseases in Drosophila. 2012, 46, 371-96	86
1218	Silver Nanocomposites and Their Biomedical Applications. 2012,	2
1217	A TEMPO-conjugated fluorescent probe for monitoring mitochondrial redox reactions. 2012, 48, 4845-7	46
1216	Nuclear and mitochondrial DNA oxidation in Alzheimer's disease. 2012 , 46, 565-76	39
1215	An effective strategy for the synthesis of biocompatible gold nanoparticles using danshensu antioxidant: prevention of cytotoxicity via attenuation of free radical formation. 2013 , 7, 294-300	8
1214	Estrogen regulation of mitochondrial bioenergetics: implications for prevention of Alzheimer's disease. 2012 , 64, 327-71	60
1213	Controlled Freezing and Open-Pulled Straw (OPS) Vitrification of In vitro Produced Bovine Blastocysts Following Analysis of ATP Content and Reactive Oxygen Species (ROS) Level. 2012 , 11, 446-455	5
1212	Mitochondria, monoamine oxidase B and Parkinson∃ disease. 2012 , 2, S3-S7	6
1211	Inhibition of p53 transactivation functionally interacts with microtubule stabilization to suppress excitotoxicity-induced axon degeneration. 2012 , 427, 100-6	3
1210	Spinal muscular atrophy: An oxidative stress response counteracted with curcumin. 2012 , 2, 61-66	2

1209	Analysis of the structural and mechanistic factors in antioxidants that preserve mitochondrial function and confer cytoprotection. 2012 , 20, 5188-201	15
1208	Neurotoxicity and oxidative stress induced by gibberellic acid in rats during late pregnancy and early postnatal periods: biochemical and histological changes. 2012 , 64, 583-90	14
1207	Target-based selection of flavonoids for neurodegenerative disorders. 2012 , 33, 602-10	75
1206	Physical exercise as a possible strategy for brain protection: evidence from mitochondrial-mediated mechanisms. 2012 , 99, 149-62	89
1205	Mitochondrial abnormalities in Alzheimer's disease: possible targets for therapeutic intervention. 2012 , 64, 83-126	49
1204	Single fluorescent probe responds to H2O2, NO, and H2O2/NO with three different sets of fluorescence signals. 2012 , 134, 1305-15	318
1203	Redox proteomics analyses of the influence of co-expression of wild-type or mutated LRRK2 and Tau on C. elegans protein expression and oxidative modification: relevance to Parkinson disease. 2012 , 17, 1490-506	39
1202	Parkinson's disease. 2012 , 65, 389-455	184
1201	Exposure to 1-bromopropane induces microglial changes and oxidative stress in the rat cerebellum. 2012 , 302, 18-24	22
1200	Phosphorescent Oxygen-Sensitive Probes. 2012 ,	13
1200 1199	Phosphorescent Oxygen-Sensitive Probes. 2012, Mitochondrial Dysfunction in Neurodegenerative Disorders. 2012,	13
1199		
1199	Mitochondrial Dysfunction in Neurodegenerative Disorders. 2012,	2
1199 1198	Mitochondrial Dysfunction in Neurodegenerative Disorders. 2012, Metal Ions in Neurological Systems. 2012,	2 8
1199 1198 1197	Mitochondrial Dysfunction in Neurodegenerative Disorders. 2012, Metal Ions in Neurological Systems. 2012, Advances in Mitochondrial Medicine. 2012, MicroRNA-338 regulates the axonal expression of multiple nuclear-encoded mitochondrial mRNAs	2 8 10
1199 1198 1197 1196	Mitochondrial Dysfunction in Neurodegenerative Disorders. 2012, Metal Ions in Neurological Systems. 2012, Advances in Mitochondrial Medicine. 2012, MicroRNA-338 regulates the axonal expression of multiple nuclear-encoded mitochondrial mRNAs encoding subunits of the oxidative phosphorylation machinery. 2012, 69, 4017-27	2 8 10 74
1199 1198 1197 1196	Mitochondrial Dysfunction in Neurodegenerative Disorders. 2012, Metal Ions in Neurological Systems. 2012, Advances in Mitochondrial Medicine. 2012, MicroRNA-338 regulates the axonal expression of multiple nuclear-encoded mitochondrial mRNAs encoding subunits of the oxidative phosphorylation machinery. 2012, 69, 4017-27 Heparin-induced thrombocytopenia in the ICU: a transatlantic perspective. 2012, 142, 815-816 Ceramide sphingolipid signaling mediates Tumor Necrosis Factor (TNF)-dependent toxicity via	2 8 10 74

1191	CART peptide is a potential endogenous antioxidant and preferentially localized in mitochondria. 2012 , 7, e29343	36
1190	Bmi1 is down-regulated in the aging brain and displays antioxidant and protective activities in neurons. 2012 , 7, e31870	34
1189	Haploinsufficiency of the E3 ubiquitin ligase C-terminus of heat shock cognate 70 interacting protein (CHIP) produces specific behavioral impairments. 2012 , 7, e36340	22
1188	Methylene blue protects against TDP-43 and FUS neuronal toxicity in C. elegans and D. rerio. 2012 , 7, e42117	75
1187	Sex-specific regulation of mitochondrial DNA levels: genome-wide linkage analysis to identify quantitative trait loci. 2012 , 7, e42711	11
1186	Developmental alterations in motor coordination and medium spiny neuron markers in mice lacking pgc-1\(\text{2012}\), 7, e42878	36
1185	The bioenergetic status relates to dopamine neuron loss in familial PD with PINK1 mutations. 2012 , 7, e51308	10
1184	Excitotoxicity and Oxidative Stress in Acute Ischemic Stroke. 2012,	6
1183	Calcium transporters and their role in the development of neuronal disease and neuronal damage. 2012 , 31, 375-82	15
1182	Promising Genetic Biomarkers of Preclinical Alzheimer's Disease: The Influence of APOE and TOMM40 on Brain Integrity. 2012 , 2012, 421452	18
1181	Therapeutic approach to neurodegenerative diseases by medical gases: focusing on redox signaling and related antioxidant enzymes. 2012 , 2012, 324256	34
1180	Mechanism of oxidative stress in neurodegeneration. 2012 , 2012, 428010	517
1179	Tau Phosphorylation by GSK3 in Different Conditions. 2012 , 2012, 578373	57
1178	Oxidative stress in Alzheimer's and Parkinson's diseases: insights from the yeast Saccharomyces cerevisiae. 2012 , 2012, 132146	56
1177	Recent advances in the treatment of neurodegenerative diseases based on GSH delivery systems. 2012 , 2012, 240146	70
1176	New evidence of mitochondria dysfunction in the female Alzheimer's disease brain: deficiency of estrogen receptor- 2012 , 30, 545-58	60
1175	Inflammatory cause of metabolic syndrome via brain stress and NF-B. 2012, 4, 98-115	130
1174	Mitochondrial mutations and polymorphisms in psychiatric disorders. 2012 , 3, 103	65

1173	Calcium homeostasis in aging neurons. 2012 , 3, 200	59
1172	The Role of TNF-Alpha in ALS: New Hypotheses for Future Therapeutic Approaches. 2012,	2
1171	Mechanisms of Ischemic Induced Neuronal Death and Ischemic Tolerance. 2012,	
1170	Aging and the Brain. 2012 , 53-59	4
1169	8-Oxoguanine causes neurodegeneration during MUTYH-mediated DNA base excision repair. 2012 , 122, 4344-61	87
1168	Historical perspectives on the discovery and development of drugs to treat neurological disorders. 129-148	3
1167	Morphological abnormalities in mitochondria of the skin of patients with sporadic amyotrophic lateral sclerosis. 2012 , 70, 40-4	8
1166	Oxidative damage and carcinogenesis. 2012 , 16, 230-3	14
1165	Impaired complex-I-linked respiration and ATP synthesis in primary open-angle glaucoma patient lymphoblasts. 2012 , 53, 2431-7	89
1164	Use of CoA Biosynthesis Modulators and Selenoprotein Model Substance in Correction of Brain Ischemic and Reperfusion Injuries. 2012 ,	
1163	Differentiation of Embryonic Stem Cells into Glutamatergic Neurons (Methods). 2012 , 47-55	
1162	In vitro toxicity of acid-functionalized single-walled carbon nanotubes: effects on murine macrophages and gene expression profiling. 2012 , 6, 288-303	31
1161	Dimebon ameliorates amyloid-linduced impairments of mitochondrial form and function. 2012 , 31, 21-32	37
1160	Delivery to mitochondria: a narrower approach for broader therapeutics. 2012 , 9, 909-35	19
1159	Effect of mitochondrial transcription factor a overexpression on motor neurons in amyotrophic lateral sclerosis model mice. 2012 , 90, 1200-8	14
1158	Oxidative damage to RNA in aging and neurodegenerative disorders. 2012 , 22, 231-48	131
1157	Mitochondrial importance in Alzheimer's, Huntington's and Parkinson's diseases. 2012 , 724, 205-21	47
1156	Assessment of mitochondrial respiratory chain enzymatic activities on tissues and cultured cells. 2012 , 7, 1235-46	539

1155	Beneficial effect of (-)schisandrin B against 3-nitropropionic acid-induced cell death in PC12 cells. 2012 , 38, 219-25	10
1154	Evaluation of oxidative stress markers in pathogenesis of diabetic neuropathy. 2012 , 39, 8669-78	86
1153	Hydrogen sulfide is a signaling molecule and a cytoprotectant. 2012 , 17, 45-57	206
1152	Nervous System. 2012 , 417-434	
1151	Molecular mechanisms of superoxide production by the mitochondrial respiratory chain. 2012 , 748, 145-69	349
1150	Elevated oxidative stress and decreased antioxidant function in the human hippocampus and frontal cortex with increasing age: implications for neurodegeneration in Alzheimer's disease. 2012 , 37, 1601-14	140
1149	Mitochondrial DNA polymorphisms specifically modify cerebral Eamyloid proteostasis. 2012, 124, 199-208	44
1148	Reactive oxygen/nitrogen species and their functional correlations in neurodegenerative diseases. 2012 , 119, 891-910	118
1147	Wavelet images and Chou's pseudo amino acid composition for protein classification. 2012 , 43, 657-65	93
1146	Amyloid Elinking synaptic plasticity failure to memory disruption in Alzheimer's disease. 2012 , 120 Suppl 1, 140-148	86
1145	Modulation of diabetic retinopathy pathophysiology by natural medicines through PPAR-Erelated pharmacology. 2012 , 165, 4-19	36
1144	Genetic inactivation of the p66 isoform of ShcA is neuroprotective in a murine model of multiple sclerosis. 2012 , 35, 562-71	26
1143	Reactive oxygen species inactivate neuronal nicotinic acetylcholine receptors through a highly conserved cysteine near the intracellular mouth of the channel: implications for diseases that involve oxidative stress. 2012 , 590, 39-47	27
1142	Mitochondrial Ca(2+) and neurodegeneration. 2012 , 52, 73-85	92
1141	Brain superoxide anion formation in immature rats during seizures: protection by selected compounds. 2012 , 233, 421-9	23
1140	Neuroprotective effect of blackberry (Rubus sp.) polyphenols is potentiated after simulated gastrointestinal digestion. 2012 , 131, 1443-1452	88
1139	Bcl-2 is a novel interacting partner for the 2-oxoglutarate carrier and a key regulator of mitochondrial glutathione. 2012 , 52, 410-9	52
1138	Purple sweet potato color attenuates domoic acid-induced cognitive deficits by promoting estrogen receptor-Imediated mitochondrial biogenesis signaling in mice. 2012 , 52, 646-659	64

1137	Spatial parkin translocation and degradation of damaged mitochondria via mitophagy in live cortical neurons. 2012 , 22, 545-52	238
1136	Quinoline-based fluorescent probe for ratiometric detection of hydrogen peroxide in aqueous solution. 2012 , 95, 373-376	21
1135	Silencing of nicotinamide nucleotide transhydrogenase impairs cellular redox homeostasis and energy metabolism in PC12 cells. 2012 , 1817, 401-9	61
1134	AMPK I subunit gene PRKAG2 polymorphism associated with cognitive impairment as well as diabetes in old age. 2012 , 37, 358-65	19
1133	Multi-kernel transfer learning based on Chou's PseAAC formulation for protein submitochondria localization. 2012 , 293, 121-30	78
1132	Cyanide preconditioning protects brain endothelial and NT2 neuron-like cells against glucotoxicity: role of mitochondrial reactive oxygen species and HIF-1\(\text{H}\)2012, 45, 206-18	39
1131	Meta-analysis of genetic and environmental Parkinson's disease models reveals a common role of mitochondrial protection pathways. 2012 , 45, 1018-30	26
1130	Selective knockdown of mutant SOD1 in Schwann cells ameliorates disease in G85R mutant SOD1 transgenic mice. 2012 , 48, 52-7	18
1129	Mechanistic explanations how cell-mediated immune activation, inflammation and oxidative and nitrosative stress pathways and their sequels and concomitants play a role in the pathophysiology of unipolar depression. 2012 , 36, 764-85	568
1128	Syndromes of neurodegeneration with brain iron accumulation. 2012 , 19, 57-66	48
1127	Rapid generation of mitochondrial superoxide induces mitochondrion-dependent but caspase-independent cell death in hippocampal neuronal cells that morphologically resembles necroptosis. 2012 , 262, 156-66	34
1126	The role of Bynuclein in neurodegeneration [An update. 2012 , 3,	12
1125	Regulation of intracellular Ca(2+) by reactive oxygen species in osteoblasts treated with antimycin A. 2012 , 32, 118-25	4
1124	Oxidative stress in synapse development and function. 2012 , 72, 100-10	37
1123	Syndromes of neurodegeneration with brain iron accumulation (NBIA): an update on clinical presentations, histological and genetic underpinnings, and treatment considerations. 2012 , 27, 42-53	126
1122	Synaptic protein alterations in Parkinson's disease. 2012 , 45, 126-43	25
1121	Modeling mitochondrial dysfunctions in the brain: from mice to men. 2012 , 35, 193-210	21
1120	Ethanolic extract of fructus Alpinia oxyphylla protects against 6-hydroxydopamine-induced damage of PC12 cells in vitro and dopaminergic neurons in zebrafish. 2012 , 32, 27-40	70

1119	Thioacetamide-induced fulminant hepatic failure induces cerebral mitochondrial dysfunction by altering the electron transport chain complexes. 2012 , 37, 59-68	11
1118	Increased oxidative damage and decreased antioxidant function in aging human substantia nigra compared to striatum: implications for Parkinson's disease. 2012 , 37, 358-69	105
1117	The oxidative stress-inducible cystine/glutamate antiporter, system x (c) (-): cystine supplier and beyond. 2012 , 42, 231-46	2 90
1116	Evidences for a role of protein cross-links in transglutaminase-related disease. 2012 , 42, 975-86	13
1115	Neurodegeneration as a consequence of failed mitochondrial maintenance. 2012, 123, 157-71	142
1114	The neuroprogressive nature of major depressive disorder: pathways to disease evolution and resistance, and therapeutic implications. 2013 , 18, 595-606	338
1113	Genes and pathways underlying regional and cell type changes in Alzheimer's disease. 2013, 5, 48	162
1112	Evidence of reactive oxygen species-mediated damage to mitochondrial DNA in children with typical autism. 2013 , 4, 2	61
1111	A neuro-immune model of Myalgic Encephalomyelitis/Chronic fatigue syndrome. 2013 , 28, 523-40	73
1110	Chlorpyrifos Leads to Oxidative Stress-Induced Death of Hippocampal Cells in Vitro. 2013 , 45, 193-199	18
1109	Intracellular ion channel CLIC1: involvement in microglia-mediated Eamyloid peptide(1-42) neurotoxicity. 2013 , 38, 1801-8	11
1108	Acetyl-CoA the key factor for survival or death of cholinergic neurons in course of neurodegenerative diseases. 2013 , 38, 1523-42	62
1107	Protective effects of hesperidin against amyloid-[[A]] induced neurotoxicity through the voltage dependent anion channel 1 (VDAC1)-mediated mitochondrial apoptotic pathway in PC12 cells. 2013 , 38, 1034-44	53
1106	Alteration in glutathione content and associated enzyme activities in the synaptic terminals but not in the non-synaptic mitochondria from the frontal cortex of Parkinson's disease brains. 2013 , 38, 186-200	16
1105	MicroRNA expression profiling in blood from fragile X-associated tremor/ataxia syndrome patients. 2013 , 12, 595-603	25
1104	Metabolic Syndrome. 2013 ,	24
1103	Discovery, biological evaluation, and structure-activity and -selectivity relationships of 6'-substituted (E)-2-(benzofuran-3(2H)-ylidene)-N-methylacetamides, a novel class of potent and selective monoamine oxidase inhibitors. 2013 , 56, 2651-64	42
1102	Oxygen Transport to Tissue XXXV. 2013 ,	11

1101	Mitochondrial membrane permeabilisation by amyloid aggregates and protection by polyphenols. 2013 , 1828, 2532-43	99
1100	Fabrication of Ir nanoparticle-based biosensors by plasma electrochemical reduction for enzyme-free detection of hydrogen peroxide. 2013 , 211, 137-142	13
1099	Single fluorescent probe distinguishes hydrogen peroxide and nitric oxide in cell imaging. 2013 , 526, 83-106	2
1098	Molecular links between Alzheimer's disease and diabetes mellitus. 2013 , 250, 140-50	132
1097	A structurally simplified analogue of geldanamycin exhibits neuroprotective activity. 2013, 4, 953-7	3
1096	Differential mechanisms underlying neuroprotection of hydrogen sulfide donors against oxidative stress. 2013 , 62, 1072-8	49
1095	Neurotoxic saboteurs: straws that break the hippo's (hippocampus) back drive cognitive impairment and Alzheimer's Disease. 2013 , 24, 407-59	41
1094	RESP18 is involved in the cytotoxicity of dopaminergic neurotoxins in MN9D cells. 2013 , 24, 164-75	10
1093	Inhibition of mitochondrial cytochrome c oxidase potentiates Allinduced ER stress and cell death in cortical neurons. 2013 , 52, 1-8	26
1092	Mitochondria and quality control defects in a mouse model of Gaucher diseaselinks to Parkinson's disease. 2013 , 17, 941-953	228
1091	The role of mitochondrial OXPHOS dysfunction in the development of neurologic diseases. 2013 , 51, 27-34	60
1090	Pathophysiology and treatment of neurodegeneration with brain iron accumulation in the pediatric population. 2013 , 15, 652-67	12
1089	N-acetylcysteine amide, a thiol antioxidant, prevents bleomycin-induced toxicity in human alveolar basal epithelial cells (A549). 2013 , 47, 740-9	15
1088	Contribution of Ephenethylamine, a component of chocolate and wine, to dopaminergic neurodegeneration: implications for the pathogenesis of Parkinson's disease. 2013 , 29, 655-60	18
1087	Methylmercury impairs motor function in early development and induces oxidative stress in cerebellar granule cells. 2013 , 222, 265-72	31
1086	The role of PARL and HtrA2 in striatal neuronal injury after transient global cerebral ischemia. 2013 , 33, 1658-65	14
1085	Antioxidant phospholipid calix[4]arene mimics as micellular delivery systems. 2013, 11, 6108-12	24
1084	Suppression of eIF2lkinases alleviates Alzheimer's disease-related plasticity and memory deficits. 2013 , 16, 1299-305	356

(2013-2013)

1083	Mill.). 2013 , 53, 502-509	27
1082	Neurotransmitter CART as a New Therapeutic Candidate for Parkinson's Disease. 2013 , 6, 108-23	13
1081	Disruption of mitochondrial membrane integrity induced by amyloid aggregates arising from variants of SOD1. 2013 , 61, 212-7	18
1080	Glucose metabolism in normal aging and Alzheimer's disease: Methodological and physiological considerations for PET studies. 2013 , 1, 217	154
1079	Neuroprotection by tetrahydroxystilbene glucoside in the MPTP mouse model of Parkinson's disease. 2013 , 222, 155-63	37
1078	Apoptosis signal-regulating kinase-1 aggravates ROS-mediated striatal degeneration in 3-nitropropionic acid-infused mice. 2013 , 441, 280-5	9
1077	Methyl 3,4-dihydroxybenzoate protects primary cortical neurons against A四nduced neurotoxicity through mitochondria pathway. 2013 , 91, 1215-25	18
1076	Soy isoflavone attenuates brain mitochondrial oxidative stress induced by Emyloid peptides 1-42 injection in lateral cerebral ventricle. 2013 , 91, 562-7	33
1075	OCTN cation transporters in health and disease: role as drug targets and assay development. 2013 , 18, 851-67	76
1074	In-depth proteomic analysis of mammalian mitochondria-associated membranes (MAM). 2013 , 79, 219-30	141
1074	In-depth proteomic analysis of mammalian mitochondria-associated membranes (MAM). 2013 , 79, 219-30 mTOR: at the crossroads of aging, chaperones, and Alzheimer's disease. 2013 , 124, 747-8	141
1073		
1073	mTOR: at the crossroads of aging, chaperones, and Alzheimer's disease. 2013 , 124, 747-8	12
1073	mTOR: at the crossroads of aging, chaperones, and Alzheimer's disease. 2013 , 124, 747-8 Mitochondrial ferritin in neurodegenerative diseases. 2013 , 77, 1-7 Gene expression profiling of rotenone-mediated cortical neuronal death: evidence for inhibition of ubiquitin-proteasome system and autophagy-lysosomal pathway, and dysfunction of mitochondrial	12
1073 1072 1071	mTOR: at the crossroads of aging, chaperones, and Alzheimer's disease. 2013, 124, 747-8 Mitochondrial ferritin in neurodegenerative diseases. 2013, 77, 1-7 Gene expression profiling of rotenone-mediated cortical neuronal death: evidence for inhibition of ubiquitin-proteasome system and autophagy-lysosomal pathway, and dysfunction of mitochondrial and calcium signaling. 2013, 62, 653-63 D-512 and D-440 as novel multifunctional dopamine agonists: characterization of neuroprotection properties and evaluation of in vivo efficacy in a Parkinson's disease animal model. 2013, 4, 1382-92	12 43 18
1073 1072 1071 1070	mTOR: at the crossroads of aging, chaperones, and Alzheimer's disease. 2013, 124, 747-8 Mitochondrial ferritin in neurodegenerative diseases. 2013, 77, 1-7 Gene expression profiling of rotenone-mediated cortical neuronal death: evidence for inhibition of ubiquitin-proteasome system and autophagy-lysosomal pathway, and dysfunction of mitochondrial and calcium signaling. 2013, 62, 653-63 D-512 and D-440 as novel multifunctional dopamine agonists: characterization of neuroprotection properties and evaluation of in vivo efficacy in a Parkinson's disease animal model. 2013, 4, 1382-92	12 43 18 23
1073 1072 1071 1070	mTOR: at the crossroads of aging, chaperones, and Alzheimer's disease. 2013, 124, 747-8 Mitochondrial ferritin in neurodegenerative diseases. 2013, 77, 1-7 Gene expression profiling of rotenone-mediated cortical neuronal death: evidence for inhibition of ubiquitin-proteasome system and autophagy-lysosomal pathway, and dysfunction of mitochondrial and calcium signaling. 2013, 62, 653-63 D-512 and D-440 as novel multifunctional dopamine agonists: characterization of neuroprotection properties and evaluation of in vivo efficacy in a Parkinson's disease animal model. 2013, 4, 1382-92 Mitochondrial dysfunction in a novel form of autosomal recessive ataxia. 2013, 13, 235-45 2-Phenylbenzofuran derivatives alleviate mitochondrial damage via the inhibition of Emyloid	12 43 18 23

1065 TNF receptor 2 protects oligodendrocyte progenitor cells against oxidative stress. 2013 , 440, 336-	41 39
Tributyltin induces oxidative damage, inflammation and apoptosis via disturbance in blood-brain barrier and metal homeostasis in cerebral cortex of rat brain: an in vivo and in vitro study. 2013 , 310, 39-52	57
1063 Disruption of neurogenesis by hypothalamic inflammation in obesity or aging. 2013 , 14, 351-6	23
Dysregulation of mitochondrial calcium signaling and superoxide flashes cause mitochondrial genomic DNA damage in Huntington disease. 2013 , 288, 3070-84	63
1061 Physiology. Rhythmic respiration. 2013 , 342, 570-1	4
The relevance of metals in the pathophysiology of neurodegeneration, pathological consideration: 2013 , 110, 1-47	s. 59
1059 CFH and ARMS2 genetic polymorphisms predict response to antioxidants and zinc in patients with age-related macular degeneration. 2013 , 120, 2317-23	95
Myricitrin protects against peroxynitrite-mediated DNA damage and cytotoxicity in astrocytes. 2013 , 141, 927-33	40
Role of the peroxisome proliferator-activated receptors (PPAR)—III and Itriad in regulation of reactive oxygen species signaling in brain. 2013 , 394, 1553-70	49
U1 small nuclear ribonucleoprotein complex and RNA splicing alterations in Alzheimer's disease. 2013 , 110, 16562-7	200
	53
2013, 110, 16562-7 Inhibitors of ROS production by the ubiquinone-binding site of mitochondrial complex I identified	53
2013, 110, 16562-7 Inhibitors of ROS production by the ubiquinone-binding site of mitochondrial complex I identified by chemical screening. 2013, 65, 1047-1059	53 7-12 9
Inhibitors of ROS production by the ubiquinone-binding site of mitochondrial complex I identified by chemical screening. 2013 , 65, 1047-1059 Protective properties of tanshinone I against oxidative DNA damage and cytotoxicity. 2013 , 62, 40	53 7-12 9
Inhibitors of ROS production by the ubiquinone-binding site of mitochondrial complex I identified by chemical screening. 2013 , 65, 1047-1059 Protective properties of tanshinone I against oxidative DNA damage and cytotoxicity. 2013 , 62, 40 Boronate-based fluorescent probes: imaging hydrogen peroxide in living systems. 2013 , 526, 19-43	53 7-12 9 3 104
Inhibitors of ROS production by the ubiquinone-binding site of mitochondrial complex I identified by chemical screening. 2013, 65, 1047-1059 Protective properties of tanshinone I against oxidative DNA damage and cytotoxicity. 2013, 62, 40 Boronate-based fluorescent probes: imaging hydrogen peroxide in living systems. 2013, 526, 19-43 Hallmarks of a new era in mitochondrial biochemistry. 2013, 27, 2615-27 Experimental acute pancreatitis induces mitochondrial dysfunction in rat pancreas, kidney and	53 7-12 9 3 104
Inhibitors of ROS production by the ubiquinone-binding site of mitochondrial complex I identified by chemical screening. 2013, 65, 1047-1059 Protective properties of tanshinone I against oxidative DNA damage and cytotoxicity. 2013, 62, 40 Boronate-based fluorescent probes: imaging hydrogen peroxide in living systems. 2013, 526, 19-43 Hallmarks of a new era in mitochondrial biochemistry. 2013, 27, 2615-27 Experimental acute pancreatitis induces mitochondrial dysfunction in rat pancreas, kidney and lungs but not in liver. 2013, 13, 216-24 Signaling through the vascular endothelial growth factor receptor VEGFR-2 protects hippocampal	53 7-12 9 3 104 106

1047	Mitochondria-specific phosphorescent imaging and tracking in living cells with an AIPE-active iridium(III) complex. 2013 , 49, 11095-7	72
1046	Trait'sur la maladie dAlzheimer. 2013,	
1045	670 nm light mitigates oxygen-induced degeneration in C57BL/6J mouse retina. 2013 , 14, 125	28
1044	Uptake and mitochondrial dysfunction of alpha-synuclein in human astrocytes, cortical neurons and fibroblasts. 2013 , 2, 20	47
1043	Properties of silver nanostructure-coated PTFE and its biocompatibility. 2013 , 8, 388	19
1042	Modification of gamma-carbolines with N-substituted propionamides as a new approach to mitoprotective agents. 2013 , 62, 816-819	5
1041	SUMO and Alzheimer's disease. 2013 , 15, 720-36	56
1040	Astrocytes acquire resistance to iron-dependent oxidative stress upon proinflammatory activation. 2013 , 10, 130	23
1039	Impaired mitochondrial energy production and ABC transporter function-A crucial interconnection in dementing proteopathies of the brain. 2013 , 134, 506-15	24
1038	Biological responses of silver-coated thermosets: an in vitro and in vivo study. 2013 , 9, 5088-99	54
1037	Amelioration of neurodegenerative diseases by cell death-induced cytoplasmic delivery of humanin. 2013 , 166, 307-15	12
1036	APOE and neuroenergetics: an emerging paradigm in Alzheimer's disease. 2013 , 34, 1007-17	51
1035	Rice bran extract protects from mitochondrial dysfunction in guinea pig brains. 2013, 76, 17-27	51
1034	Therapeutic Strategies to Combat the Onset and Progression of Neurological Diseases. 2013 , 337-394	
1033	Oxidative stress and the evolution of sex differences in life span and ageing in the decorated cricket, Gryllodes sigillatus. 2013 , 67, 620-34	33
1032	Glutamate and glutamine: a review of in vivo MRS in the human brain. 2013 , 26, 1630-46	145
1031	Spaceflight environment induces mitochondrial oxidative damage in ocular tissue. 2013 , 180, 340-50	63
1030	The inverse association of cancer and Alzheimer's: a bioenergetic mechanism. 2013 , 10, 20130006	38

1029	Histone deacetylase gene variants predict brain volume changes in multiple sclerosis. 2013, 34, 238-47	24
1028	Superoxide generation by complex III: from mechanistic rationales to functional consequences. 2013 , 1827, 1320-31	218
1027	3-Hydroxykynurenine: an intriguing molecule exerting dual actions in the central nervous system. 2013 , 34, 189-204	65
1026	Mutant LRRK2 elicits calcium imbalance and depletion of dendritic mitochondria in neurons. 2013 , 182, 474-84	144
1025	Antioxidant enzymes in cerebral cortex of immature rats following experimentally-induced seizures: upregulation of mitochondrial MnSOD (SOD2). 2013 , 31, 123-30	17
1024	Where killers meetpermeabilization of the outer mitochondrial membrane during apoptosis. 2013 , 5, a011106	63
1023	Mitochondrial defects and oxidative stress in Alzheimer disease and Parkinson disease. 2013 , 62, 90-101	435
1022	Excitotoxicity: bridge to various triggers in neurodegenerative disorders. 2013 , 698, 6-18	424
1021	Long-term Alexposure augments mCa2+-independent mROS-mediated depletion of cardiolipin for the shift of a lethal transient mitochondrial permeability transition to its permanent mode in NARP cybrids: a protective targeting of melatonin. 2013 , 54, 107-25	20
1020	Redox proteomics: chemical principles, methodological approaches and biological/biomedical promises. 2013 , 113, 596-698	179
1019	Mitochondrial glutathione: features, regulation and role in disease. 2013 , 1830, 3317-28	125
1018	Size of TiO(2) nanoparticles influences their phototoxicity: an in vitro investigation. 2013 , 87, 99-109	67
1017	Shedding light on mitochondrial function by real time monitoring of NADH fluorescence: I. Basic methodology and animal studies. 2013 , 27, 1-34	22
1016	Potentially neuroprotective gene modulation in an in vitro model of mild traumatic brain injury. 2013 , 375, 185-98	42
1015	A complex dietary supplement augments spatial learning, brain mass, and mitochondrial electron transport chain activity in aging mice. 2013 , 35, 23-33	19
1014	Existing and emerging mitochondrial-targeting therapies for altering Parkinson's disease severity and progression. 2013 , 137, 1-21	10
1013	Strategy for dual-analyte luciferin imaging: in vivo bioluminescence detection of hydrogen peroxide and caspase activity in a murine model of acute inflammation. 2013 , 135, 1783-95	224
1012	Mitochondrial accumulation under oxidative stress is due to defects in autophagy. 2013 , 114, 212-9	40

1011	Pesticides and human chronic diseases: evidences, mechanisms, and perspectives. 2013 , 268, 157-77	677
1010	Nucleotide excision repair in chronic neurodegenerative diseases. 2013 , 12, 568-77	20
1009	Mitochondrial abnormalities in temporal lobe of autistic brain. 2013 , 54, 349-61	121
1008	The role of CSA and CSB protein in the oxidative stress response. 2013 , 134, 261-9	32
1007	CYP1A and POR gene mediated mitochondrial membrane damage induced by carbon nanoparticle in human mesenchymal stem cells. 2013 , 36, 215-22	9
1006	Blockade of SOCE protects HT22 cells from hydrogen peroxide-induced apoptosis. 2013 , 441, 351-6	28
1005	Current methods in quantifying ROS and oxidative damage in Caenorhabditis elegans and other model organism of aging. 2013 , 12, 918-30	61
1004	Proteomic analysis of postsynaptic density in Alzheimer's disease. 2013 , 420, 62-8	38
1003	The regulation of apoptosis by the downstream regulatory element antagonist modulator/potassium channel interacting protein 3 (DREAM/KChIP3) through interactions with hexokinase I. 2013 , 433, 508-12	11
1002	In vitro mitochondrial failure and oxidative stress mimic biochemical features of Alzheimer disease. 2013 , 63, 112-20	14
1001	In vivo glutamate measured with magnetic resonance spectroscopy: behavioral correlates in aging. 2013 , 34, 1265-76	50
1000	Expression of zinc-deficient human superoxide dismutase in Drosophila neurons produces a locomotor defect linked to mitochondrial dysfunction. 2013 , 34, 2322-30	31
999	Impaired mitochondrial oxidative phosphorylation in the peroxisomal disease X-linked adrenoleukodystrophy. 2013 , 22, 3296-305	83
998	Characterization of mitochondrial dysfunction in the 7PA2 cell model of Alzheimer's disease. 2013 , 37, 747-58	26
997	Mitochondrial trafficking in neuropsychiatric diseases. 2013 , 51, 66-71	14
996	N-terminal cleavage of the mitochondrial fusion GTPase OPA1 occurs via a caspase-independent mechanism in cerebellar granule neurons exposed to oxidative or nitrosative stress. 2013 , 1494, 28-43	17
995	Essential roles of mitochondrial depolarization in neuron loss through microglial activation and attraction toward neurons. 2013 , 1505, 75-85	3
994	Mutational analysis of FBXO7 gene in Parkinson's disease in a Taiwanese population. 2013 , 34, 1713.e1-4	15

993	The functional group on (E)-4,4'-disubstituted stilbenes influences toxicity and antioxidative activity in differentiated PC-12 cells. 2013 , 23, 6355-9	12
992	Organ-specific mediation of lifespan extension: more than a gut feeling?. 2013 , 12, 436-44	68
991	Neuroprotective effects of edaravone on cognitive deficit, oxidative stress and tau hyperphosphorylation induced by intracerebroventricular streptozotocin in rats. 2013 , 38, 136-45	7°
990	Cellular antioxidant activity of phenylaminoethyl selenides as monitored by chemiluminescence of peroxalate nanoparticles and by reduction of lipopolysaccharide-induced oxidative stress. 2013 , 53, 373-7	7
989	Decalepis hamiltonii root extract attenuates the age-related decline in the cognitive function in Drosophila melanogaster. 2013 , 249, 8-14	11
988	Mitochondrial deficiency in Cockayne syndrome. 2013 , 134, 275-83	52
987	hMTH1 expression protects mitochondria from Huntington's disease-like impairment. 2013 , 49, 148-58	12
986	Esynuclein-mediated defense against oxidative stress via modulation of glutathione peroxidase. 2013 , 1834, 972-6	9
985	Mouse models of age-related mitochondrial neurosensory hearing loss. 2013 , 55, 95-100	29
984	Protective effect of l-theanine on chronic restraint stress-induced cognitive impairments in mice. 2013 , 1503, 24-32	33
983	Mitochondrial abnormality associates with type-specific neuronal loss and cell morphology changes in the pedunculopontine nucleus in Parkinson disease. 2013 , 183, 1826-1840	42
982	New insight in colistin induced neurotoxicity with the mitochondrial dysfunction in mice central nervous tissues. 2013 , 65, 941-8	36
981	Current concepts in age-related hearing loss: epidemiology and mechanistic pathways. 2013, 303, 30-8	330
980	A cross-sectional study on cerebrospinal fluid biomarker levels in cognitively normal elderly subjects with or without a family history of Alzheimer's disease. 2013 , 19, 38-42	12
979	Decline in cytochrome c oxidase activity in rat-brain mitochondria with aging. Role of peroxidized cardiolipin and beneficial effect of melatonin. 2013 , 45, 431-40	46
978	Targeting Nrf2-mediated gene transcription by extremely potent synthetic triterpenoids attenuate dopaminergic neurotoxicity in the MPTP mouse model of Parkinson's disease. 2013 , 18, 139-57	125
977	Omega-3 fatty acids in neurodegenerative diseases: focus on mitochondria. 2013 , 88, 105-14	68
976	Synthesis and biological evaluation of primaquinethloroquine twin drug: a novel heme-interacting molecule prevents free heme and hydroxyl radical-mediated protein degradation. 2013 , 4, 731	8

(2013-2013)

975	Mitochondrial glutathione transport is a key determinant of neuronal susceptibility to oxidative and nitrosative stress. 2013 , 288, 5091-101	38
974	Catalase-like and peroxidase-like catalytic activities of silicon nanowire arrays. 2013 , 29, 3-7	23
973	Structure-activity relationship study of vitamin k derivatives yields highly potent neuroprotective agents. 2013 , 56, 1007-22	44
972	Upregulated autophagy protects cardiomyocytes from oxidative stress-induced toxicity. 2013 , 9, 328-44	107
971	Enhanced parkin levels favor ER-mitochondria crosstalk and guarantee Ca(2+) transfer to sustain cell bioenergetics. 2013 , 1832, 495-508	155
970	Target- and mechanism-based therapeutics for neurodegenerative diseases: strength in numbers. 2013 , 56, 3121-47	102
969	HtrA2/Omi deficiency causes damage and mutation of mitochondrial DNA. 2013, 1833, 1866-75	41
968	Glutathione and thioredoxin dependent systems in neurodegenerative disease: what can be learned from reverse genetics in mice. 2013 , 62, 738-49	26
967	Silver nanoparticle exposure attenuates the viability of rat cerebellum granule cells through apoptosis coupled to oxidative stress. 2013 , 9, 1831-41	98
966	The interplay of neuronal mitochondrial dynamics and bioenergetics: implications for Parkinson's disease. 2013 , 51, 43-55	102
965	Toxicity of extracellular secreted alpha-synuclein: Its role in nitrosative stress and neurodegeneration. 2013 , 62, 776-83	25
964	Dual control of mitochondrial biogenesis by sirtuin 1 and sirtuin 3. 2013 , 13, 755-61	159
963	The role of autophagy in Nmnat-mediated protection against hypoxia-induced dendrite degeneration. 2013 , 52, 140-51	14
962	A strategy for highly selective detection and imaging of hypochlorite using selenoxide elimination. 2013 , 15, 2002-5	112
961	Mitochondrial function in cardiac hypertrophy. 2013 , 167, 1118-25	28
960	Mitochondrial diseases of the brain. 2013 , 63, 1-29	305
959	Mitochondrial complex I. 2013 , 82, 551-75	394
958	A new chiral pyrrolyl Enitronyl nitroxide radical attenuates Enmyloid deposition and rescues memory deficits in a mouse model of Alzheimer disease. 2013 , 10, 340-53	19

957	NAD and ADP-ribose metabolism in mitochondria. 2013 , 280, 3530-41	74
956	The mitochondrial Italian Human Proteome Project initiative (mt-HPP). 2013 , 9, 1984-92	8
955	Pharmacological approaches to restore mitochondrial function. 2013 , 12, 465-83	258
954	Mitochondrial respiratory chain Complexes I and IV are impaired by Emyloid via direct interaction and through Complex I-dependent ROS production, respectively. 2013 , 13, 298-311	87
953	Enhanced hippocampus-dependent memory and reduced anxiety in mice over-expressing human catalase in mitochondria. 2013 , 125, 303-13	48
952	The pathogenesis of glaucoma in the interplay with the immune system. 2013 , 54, 2393-409	70
951	Mitochondria, motor neurons and aging. 2013 , 330, 18-26	32
950	Brain activation of SIRT1: role in neuropathology. 2013 , 48, 681-9	61
949	Emerging in vitro models for safety screening of high-volume production nanomaterials under environmentally relevant exposure conditions. 2013 , 9, 1504-20	21
948	Investigation of NADH binding, hydride transfer, and NAD(+) dissociation during NADH oxidation by mitochondrial complex I using modified nicotinamide nucleotides. 2013 , 52, 4048-55	22
947	Mitochondrial susceptibility in a model of paraquat neurotoxicity. 2013 , 47, 614-23	17
946	Mitochondria targeted therapeutic approaches in Parkinson's and Huntington's diseases. 2013 , 55, 101-14	105
945	Germline energetics, aging, and female infertility. 2013 , 17, 838-850	128
944	SOD2 in mitochondrial dysfunction and neurodegeneration. 2013 , 62, 4-12	157
943	Mitochondrial uncoupler carbonyl cyanide M-chlorophenylhydrazone induces the multimer assembly and activity of repair enzyme protein L-isoaspartyl methyltransferase. 2013 , 50, 411-23	6
942	Effects of alkyl side chain modification of coenzyme Q10 on mitochondrial respiratory chain function and cytoprotection. 2013 , 21, 2346-2354	17
941	Modulation of paraoxonase 2 (PON2) in mouse brain by the polyphenol quercetin: a mechanism of neuroprotection?. 2013 , 38, 1809-18	41
940	Reactive Oxygen and Nitrogen Species in Biological Systems: Reactions and Regulation by Carotenoids. 2013 , 57-101	4

(2013-2013)

939	Effects of transmembrane potential and pH gradient on the cytochrome c-promoted fusion of mitochondrial mimetic membranes. 2013 , 45, 421-30	10
938	Okadaic acid induced neurotoxicity: an emerging tool to study Alzheimer's disease pathology. 2013 , 37, 163-72	77
937	Nutritional essentiality of sulfur in health and disease. 2013 , 71, 413-32	64
936	Promising effects on ameliorating mitochondrial function and enhancing Akt signaling in SH-SY5Y cells by (M)-bicelaphanol A, a novel dimeric podocarpane type trinorditerpene isolated from Celastrus orbiculatus. 2013 , 20, 1064-70	19
935	Chronic oxidative stress modulates TRPC3 and TRPM2 channel expression and function in rat primary cortical neurons: relevance to the pathophysiology of bipolar disorder. 2013 , 1517, 16-27	21
934	Differential effects of complex II on mitochondrial ROS production and their relation to cardioprotective pre- and postconditioning. 2013 , 1827, 578-87	120
933	Hipoic acid protects dopaminergic neurons against MPP+-induced apoptosis by attenuating reactive oxygen species formation. 2013 , 32, 108-14	33
932	Declines in Drp1 and parkin expression underlie DNA damage-induced changes in mitochondrial length and neuronal death. 2013 , 33, 1357-65	45
931	Enzyme-free detection of hydrogen peroxide from cerium oxide nanoparticles immobilized on poly(4-vinylpyridine) self-assembled monolayers. 2013 , 1, 3443-3450	19
930	Targeting lipid sensing in the central nervous system: new therapy against the development of obesity and type 2 diabetes. 2013 , 17, 545-55	15
929	An optimized pyrimidinol multifunctional radical quencher. 2013 , 4, 724-9	10
928	Mitochondrial fusion and fission after spinal sacord injury in rats. 2013 , 1522, 59-66	32
927	Mitochondrial aldehyde dehydrogenase-2 activation prevents Eamyloid-induced endothelial cell dysfunction and restores angiogenesis. 2013 , 126, 1952-61	40
926	Rapid detection of hydrogen peroxide based on aggregation induced ratiometric fluorescence change. 2013 , 15, 924-7	83
925	Oxidative stress and mitochondrial dysfunction in glaucoma. 2013 , 13, 12-5	228
924	An investigation on the cytotoxicity and caspase-mediated apoptotic effect of biologically synthesized silver nanoparticles using Podophyllum hexandrum on human cervical carcinoma cells. 2013 , 102, 708-17	193
923	RETRACTED: Curcumin restores Nrf2 levels and prevents quinolinic acid-induced neurotoxicity. 2013 , 24, 14-24	52
922	Site-specific interaction between Bynuclein and membranes probed by NMR-observed methionine oxidation rates. 2013 , 135, 2943-6	55

921	Hereditary spastic paraplegias: one disease for many genes, and still counting. 2013 , 113, 1899-912	11
920	Accessory subunits of mitochondrial complex I. 2013 , 41, 1272-9	36
919	Ghrelin is neuroprotective in Parkinson's disease: molecular mechanisms of metabolic neuroprotection. 2013 , 4, 25-36	57
918	Ribosome profiling reveals features of normal and disease-associated mitochondrial translation. 2013 , 4, 2886	63
917	Regulation of autophagy by mTOR-dependent and mTOR-independent pathways: autophagy dysfunction in neurodegenerative diseases and therapeutic application of autophagy enhancers. 2013 , 41, 1103-30	257
916	Antioxidant activities of 5-hydroxyoxindole and its 3-hydroxy-3-phenacyl derivatives: the suppression of lipid peroxidation and intracellular oxidative stress. 2013 , 21, 7709-14	11
915	Phosphorylation Events in Selective Mitophagy: Possible Biochemical Markers?. 2013 , 1, 273-282	1
914	Oxidative status and histological changes in sea bass larvae muscle in response to high dietary content of docosahexaenoic acid DHA. 2013 , 36, 453-65	9
913	Genetics and Pathophysiology of Neurodegeneration with Brain Iron Accumulation (NBIA). 2013 , 11, 59-79	85
912	SIRT3: A Central Regulator of Mitochondrial Adaptation in Health and Disease. 2013 , 4, 118-24	44
911	Mitochondrial sirtuins as therapeutic targets for age-related disorders. 2013 , 4, 91-6	25
910	Pioglitazone halts axonal degeneration in a mouse model of X-linked adrenoleukodystrophy. 2013 , 136, 2432-43	57
909	Neurodegeneration caused by polyglutamine expansion is regulated by P-glycoprotein in Drosophila melanogaster. 2013 , 195, 857-70	6
908	Neuroinflammation in overnutrition-induced diseases. 2013 , 91, 195-218	14
907	Curcumin pretreatment prevents potassium dichromate-induced hepatotoxicity, oxidative stress, decreased respiratory complex I activity, and membrane permeability transition pore opening. 2013 , 2013, 424692	56
906	Myricitrin inhibits acrylamide-mediated cytotoxicity in human Caco-2 cells by preventing oxidative stress. 2013 , 2013, 724183	62
905	Hyperglycemia, hypoglycemia and dementia: role of mitochondria and uncoupling proteins. 2013 , 13, 586-601	18
904	Investigation of cytocrom c oxidase gene subunits expression on the Multiple sclerosis. 2013 , 19, 18-25	6

(2013-2013)

903	Non-invasive measurement of cerebral oxygen metabolism in the mouse brain by ultra-high field (17)O MR spectroscopy. 2013 , 33, 1846-9	25
902	Parkinson's disease: a complex interplay of mitochondrial DNA alterations and oxidative stress. 2013 , 14, 2388-409	47
901	Drosophila DJ-1 decreases neural sensitivity to stress by negatively regulating Daxx-like protein through dFOXO. 2013 , 9, e1003412	46
900	Hepatitis B virus disrupts mitochondrial dynamics: induces fission and mitophagy to attenuate apoptosis. 2013 , 9, e1003722	182
899	Reaction-based and single fluorescent emitter decorated ratiometric nanoprobe to detect hydrogen peroxide. 2013 , 19, 16050-7	12
898	Elevated oxidative damage is correlated with reduced fitness in interpopulation hybrids of a marine copepod. 2013 , 280, 20131521	59
897	Mitochondrial reactive oxygen species and vascular function: less is more. 2013 , 33, 673-5	12
896	Molecular mechanisms of neurodegeneration mediated by dysfunctional subcellular organelles in transmissible spongiform encephalopathies. 2013 , 45, 452-64	10
895	Optical imaging of mitochondrial redox state in rodent model of retinitis pigmentosa. 2013 , 18, 16004	23
894	Stress oxydant et maladie d&lzheimer. 2013 , 175-194	
893	Superoxide Dismutase and Oxidative Stress in Amyotrophic Lateral Sclerosis. 2013,	
892	Studies on Alzheimer's Disease. 2013 ,	
891	Cyclophilin D as a potential target for antioxidants in neurodegeneration: the X-ALD case. 2013 , 394, 621-9	4
890	Mge1, a nucleotide exchange factor of Hsp70, acts as an oxidative sensor to regulate mitochondrial Hsp70 function. 2013 , 24, 692-703	30
889	Microglia play a role in ethanol-induced oxidative stress and apoptosis in developing hypothalamic neurons. 2013 , 37, 252-62	48
888	Distinct functions of nuclear distribution proteins LIS1, Ndel1 and NudCL in regulating axonal mitochondrial transport. 2013 , 14, 785-97	34
887	Structural insights into oligomerization and mitochondrial remodelling of dynamin 1-like protein. 2013 , 32, 1280-92	171
886	Human disease locus discovery and mapping to molecular pathways through phylogenetic profiling. 2013 , 9, 692	37

885	Oxidative stress-induced mutagenesis in single-strand DNA occurs primarily at cytosines and is DNA polymerase zeta-dependent only for adenines and guanines. 2013 , 41, 8995-9005	36
884	Decreased mitochondrial DNA copy number in the hippocampus and peripheral blood during opiate addiction is mediated by autophagy and can be salvaged by melatonin. 2013 , 9, 1395-406	76
883	Pretreatment of SH-SY5Y cells with dicaffeoylquinic acids attenuates the reduced expression of nicotinic receptors, elevated level of oxidative stress and enhanced apoptosis caused by Eamyloid peptide. 2013 , 65, 1736-44	18
882	Transcriptional regulation of insulin-degrading enzyme modulates mitochondrial amyloid [[A]] peptide catabolism and functionality. 2013 , 288, 12920-31	26
881	Grey matter damage in multiple sclerosis: a pathology perspective. 2013 , 7, 66-75	63
880	Cuprous oxide nanoparticles inhibit the growth and metastasis of melanoma by targeting mitochondria. 2013 , 4, e783	102
879	Intramolecular interactions control Vms1 translocation to damaged mitochondria. 2013, 24, 1263-73	27
878	Negative regulation of 26S proteasome stability via calpain-mediated cleavage of Rpn10 subunit upon mitochondrial dysfunction in neurons. 2013 , 288, 12161-74	48
877	WldS and PGC-1⊞egulate mitochondrial transport and oxidation state after axonal injury. 2013 , 33, 14778-90	76
876	The role of oxidative stress in Parkinson's disease. 2013 , 3, 461-91	875
8 ₇ 6	The role of oxidative stress in Parkinson's disease. 2013 , 3, 461-91 Rapid cell death is preceded by amyloid plaque-mediated oxidative stress. 2013 , 110, 7904-9	875 107
875	Rapid cell death is preceded by amyloid plaque-mediated oxidative stress. 2013 , 110, 7904-9 Rapamycin protects the mitochondria against oxidative stress and apoptosis in a rat model of	107
8 ₇₅	Rapid cell death is preceded by amyloid plaque-mediated oxidative stress. 2013 , 110, 7904-9 Rapamycin protects the mitochondria against oxidative stress and apoptosis in a rat model of Parkinson's disease. 2013 , 31, 825-32 Patterns of mitochondrial DNA damage in blood and brain tissues of a transgenic mouse model of	107 70
8 ₇₅ 8 ₇₄ 8 ₇₃	Rapid cell death is preceded by amyloid plaque-mediated oxidative stress. 2013 , 110, 7904-9 Rapamycin protects the mitochondria against oxidative stress and apoptosis in a rat model of Parkinson's disease. 2013 , 31, 825-32 Patterns of mitochondrial DNA damage in blood and brain tissues of a transgenic mouse model of Machado-Joseph disease. 2013 , 11, 206-14 Pathway Analysis of ChIP-Seq-Based NRF1 Target Genes Suggests a Logical Hypothesis of their	107 70 37
875 874 873 872	Rapid cell death is preceded by amyloid plaque-mediated oxidative stress. 2013, 110, 7904-9 Rapamycin protects the mitochondria against oxidative stress and apoptosis in a rat model of Parkinson's disease. 2013, 31, 825-32 Patterns of mitochondrial DNA damage in blood and brain tissues of a transgenic mouse model of Machado-Joseph disease. 2013, 11, 206-14 Pathway Analysis of ChIP-Seq-Based NRF1 Target Genes Suggests a Logical Hypothesis of their Involvement in the Pathogenesis of Neurodegenerative Diseases. 2013, 7, 139-52	107 70 37
875 874 873 872 871	Rapid cell death is preceded by amyloid plaque-mediated oxidative stress. 2013, 110, 7904-9 Rapamycin protects the mitochondria against oxidative stress and apoptosis in a rat model of Parkinson's disease. 2013, 31, 825-32 Patterns of mitochondrial DNA damage in blood and brain tissues of a transgenic mouse model of Machado-Joseph disease. 2013, 11, 206-14 Pathway Analysis of ChIP-Seq-Based NRF1 Target Genes Suggests a Logical Hypothesis of their Involvement in the Pathogenesis of Neurodegenerative Diseases. 2013, 7, 139-52 Huntington's Disease and Polyglutamine Expansion Neurodegenerative Diseases. 2013, 203-225 Prophylactic and antinociceptive effects of coenzyme Q10 on diabetic neuropathic pain in a mouse	107 70 37 71

(2013-2013)

867	FTY720 protects neuronal cells from damage induced by human prion protein by inactivating the JNK pathway. 2013 , 32, 1387-93	7
866	Comparing brain amyloid deposition, glucose metabolism, and atrophy in mild cognitive impairment with and without a family history of dementia. 2013 , 35, 509-24	31
865	Effects of intravenous human umbilical cord blood CD34+ stem cell therapy versus levodopa in experimentally induced Parkinsonism in mice. 2013 , 9, 1138-51	9
864	Stem cells from wildtype and Friedreich's ataxia mice present similar neuroprotective properties in dorsal root ganglia cells. 2013 , 8, e62807	10
863	Cytokine receptor-like factor 1 (CRLF1) protects against 6-hydroxydopamine toxicity independent of the gp130/JAK signaling pathway. 2013 , 8, e66548	10
862	Reduction of brain mitochondrial Ebxidation impairs complex I and V in chronic alcohol intake: the underlying mechanism for neurodegeneration. 2013 , 8, e70833	20
861	Elevated mitochondrial oxidative stress impairs metabolic adaptations to exercise in skeletal muscle. 2013 , 8, e81879	18
860	Reduced brain somatostatin in mood disorders: a common pathophysiological substrate and drug target?. 2013 , 4, 110	81
859	Sirtuins in neurodegenerative diseases: an update on potential mechanisms. 2013 , 5, 53	86
858	Canonical Wnt signaling protects hippocampal neurons from Albligomers: role of non-canonical Wnt-5a/Ca(2+) in mitochondrial dynamics. 2013 , 7, 97	67
857	Amyloid Epeptide oligomers, ryanodine receptor-mediated Ca(2+) release, and Wnt-5a/Ca(2+) signaling: opposing roles in neuronal mitochondrial dynamics?. 2013 , 7, 120	10
856	Astroglial networking contributes to neurometabolic coupling. 2013 , 5, 4	39
855	Cerebrospinal fluid biomarker candidates for parkinsonian disorders. 2012 , 3, 187	20
854	The influence of APOE and TOMM40 polymorphisms on hippocampal volume and episodic memory in old age. 2013 , 7, 198	28
853	Curcumin reduces amyloid fibrillation of prion protein and decreases reactive oxidative stress. 2013 , 2, 506-19	37
852	Mitochondrial quality control: decommissioning power plants in neurodegenerative diseases. 2013 , 2013, 180759	1
851	Mitochondrial-targeted two-photon fluorescent probes for zinc ions, H2O2, and thiols in living tissues. 2013 , 2013, 323619	16
850	Increased nitroxidative stress promotes mitochondrial dysfunction in alcoholic and nonalcoholic fatty liver disease. 2013 , 2013, 781050	43

849	Nitric oxide donors as neuroprotective agents after an ischemic stroke-related inflammatory reaction. 2013 , 2013, 297357	71
848	Alterations of Mitochondria and Golgi Apparatus Are Related to Synaptic Pathology in Alzheimer's Disease. 2013 ,	
847	Oxidative Stress and Its Clinical Applications in Dementia. 2013 , 2013, 319898	25
846	. 2013,	4
845	A team approach to the complexities of Parkinson's. 2013 , 7, 533-539	1
844	Alpha-synuclein function and dysfunction on cellular membranes. 2014 , 23, 292-313	138
843	S-glutathionylation of an auxiliary subunit confers redox sensitivity to Kv4 channel inactivation. 2014 , 9, e93315	11
842	Ethanol suppresses PGC-1\(\text{\text{\text{E}}}\) xpression by interfering with the cAMP-CREB pathway in neuronal cells. 2014 , 9, e104247	17
841	Increasing fatty acid oxidation remodels the hypothalamic neurometabolome to mitigate stress and inflammation. 2014 , 9, e115642	37
840	The genetic structure of an invasive pest, the Asian citrus psyllid Diaphorina citri (Hemiptera: Liviidae). 2014 , 9, e115749	20
839	Caenorhabditis elegans as model system in pharmacology and toxicology: effects of flavonoids on redox-sensitive signalling pathways and ageing. 2014 , 2014, 920398	34
838	Diabetes and the brain: oxidative stress, inflammation, and autophagy. 2014 , 2014, 102158	217
837	Novel Point Mutations and A8027G Polymorphism in Mitochondrial-DNA-Encoded Cytochrome c Oxidase II Gene in Mexican Patients with Probable Alzheimer Disease. 2014 , 2014, 794530	3
836	Role of melatonin supplementation in neurodegenerative disorders. 2014 , 19, 429-46	30
835	Functional roles of protein nitration in acute and chronic liver diseases. 2014 , 2014, 149627	42
834	The effects of quinacrine, proglumide, and pentoxifylline on seizure activity, cognitive deficit, and oxidative stress in rat lithium-pilocarpine model of status epilepticus. 2014 , 2014, 630509	10
833	4-Hydroxy-2-nonenal induces apoptosis by inhibiting AKT signaling in human osteosarcoma cells. 2014 , 2014, 873525	17
832	Mitochondrial dysfunctions in neurodegenerative diseases: relevance to Alzheimer's disease. 2014 , 2014, 175062	167

831	Oxidative stresses and mitochondrial dysfunction in age-related hearing loss. 2014 , 2014, 582849	95
830	Electrochemically reduced water protects neural cells from oxidative damage. 2014 , 2014, 869121	12
829	Influñcia do exerceio feico na cognie: uma atualizae sobre mecanismos fisiolejicos. 2014 , 20, 237-241	7
828	Mitochondrial ferritin in the regulation of brain iron homeostasis and neurodegenerative diseases. 2014 , 5, 19	48
827	The clinical potential of influencing Nrf2 signaling in degenerative and immunological disorders. 2014 , 6, 19-34	52
826	Morphological and bioenergetic demands underlying the mitophagy in post-mitotic neurons: the pink-parkin pathway. 2014 , 6, 18	47
825	Agmatine improves cognitive dysfunction and prevents cell death in a streptozotocin-induced Alzheimer rat model. 2014 , 55, 689-99	56
824	Examining the relationship between head trauma and neurodegenerative disease: A review of epidemiology, pathology and neuroimaging techniques. 2014 , 4,	23
823	Mutations of PARK Genes and Alpha-Synuclein and Parkin Concentrations in Parkinson Disease. 2014 ,	1
822	The Potential of Targeting LRRK2 in Parkinson Disease. 2014 ,	
822	The Potential of Targeting LRRK2 in Parkinson® Disease. 2014, What have novel imaging techniques revealed about metabolism in the aging brain?. 2014, 9, 341-354	26
		26
821	What have novel imaging techniques revealed about metabolism in the aging brain?. 2014 , 9, 341-354 Delayed administration of alpha-difluoromethylornithine prevents hippocampus-dependent	
821	What have novel imaging techniques revealed about metabolism in the aging brain?. 2014 , 9, 341-354 Delayed administration of alpha-difluoromethylornithine prevents hippocampus-dependent cognitive impairment after single and combined injury in mice. 2014 , 182, 489-98 Mechanisms controlling the smooth muscle cell death in progeria via down-regulation of	5
821 820 819	What have novel imaging techniques revealed about metabolism in the aging brain?. 2014 , 9, 341-354 Delayed administration of alpha-difluoromethylornithine prevents hippocampus-dependent cognitive impairment after single and combined injury in mice. 2014 , 182, 489-98 Mechanisms controlling the smooth muscle cell death in progeria via down-regulation of poly(ADP-ribose) polymerase 1. 2014 , 111, E2261-70 A chemically standardized extract of Ziziphus jujuba fruit (Jujube) stimulates expressions of	5 59
821 820 819	What have novel imaging techniques revealed about metabolism in the aging brain?. 2014, 9, 341-354 Delayed administration of alpha-difluoromethylornithine prevents hippocampus-dependent cognitive impairment after single and combined injury in mice. 2014, 182, 489-98 Mechanisms controlling the smooth muscle cell death in progeria via down-regulation of poly(ADP-ribose) polymerase 1. 2014, 111, E2261-70 A chemically standardized extract of Ziziphus jujuba fruit (Jujube) stimulates expressions of neurotrophic factors and anti-oxidant enzymes in cultured astrocytes. 2014, 28, 1727-30 Adaptations of energy metabolism associated with increased levels of mitochondrial cholesterol in	5 59 20
821 820 819 818	What have novel imaging techniques revealed about metabolism in the aging brain?. 2014, 9, 341-354 Delayed administration of alpha-difluoromethylornithine prevents hippocampus-dependent cognitive impairment after single and combined injury in mice. 2014, 182, 489-98 Mechanisms controlling the smooth muscle cell death in progeria via down-regulation of poly(ADP-ribose) polymerase 1. 2014, 111, E2261-70 A chemically standardized extract of Ziziphus jujuba fruit (Jujube) stimulates expressions of neurotrophic factors and anti-oxidant enzymes in cultured astrocytes. 2014, 28, 1727-30 Adaptations of energy metabolism associated with increased levels of mitochondrial cholesterol in Niemann-Pick type C1-deficient cells. 2014, 289, 16278-89	5 59 20 46

813	Garlic extract attenuates brain mitochondrial dysfunction and cognitive deficit in obese-insulin resistant rats. 2014 , 39, 1373-9	27
812	Carbon (13C) MRS. 2014 , 312-330	
811	The impact of age-related dysregulation of the angiotensin system on mitochondrial redox balance. 2014 , 5, 439	44
810	Deuterium Protection of Polyunsaturated Fatty Acids against Lipid Peroxidation. 2014 , 373-383	8
809	Oxidative Stress and Frailty. 2014 , 3-14	1
808	Towards Small Molecules as Therapies for Alzheimer Disease and Other Neurodegenerative Disorders. 2014 , 199-290	1
807	Cumulative effects of the ApoE genotype and gender on the synaptic proteome and oxidative stress in the mouse brain. 2014 , 17, 1863-79	22
806	Effects of the olive-derived polyphenol oleuropein on human health. 2014 , 15, 18508-24	169
805	Role of methylglyoxal in Alzheimer's disease. 2014 , 2014, 238485	91
804	The benefits of staying active in old age: physical activity counteracts the negative influence of PICALM, BIN1, and CLU risk alleles on episodic memory functioning. 2014 , 29, 440-9	41
803	Aging and energetics' 'Top 40' future research opportunities 2010-2013. 2014 , 3, 219	14
802	Ulinastatin Reduces T Cell Apoptosis in Rats with Severe Acute Pancreatitis. 2014 , 13, 47	2
801	Inhibition of autophagy induces retinal pigment epithelial cell damage by the lipofuscin fluorophore A2E. 2014 , 4, 1007-14	27
800	Neuropathology of multiple system atrophy: new thoughts about pathogenesis. 2014 , 29, 1720-41	112
799	Controllable generation of reactive oxygen species by femtosecond-laser irradiation. 2014 , 104, 083703	5
798	Quality control gone wrong: mitochondria, lysosomal storage disorders and neurodegeneration. 2014 , 171, 1958-72	57
797	Mitochondria-targeting phosphorescent iridium(III) complexes for living cell imaging. 2014 , 43, 16872-9	29
796	Reactive molecular dynamics study of the pH-dependent dynamic structure of Ehelix. 2014 , 118, 13498-504	6

795	Stable over-expression of the 2-oxoglutarate carrier enhances neuronal cell resistance to oxidative stress via Bcl-2-dependent mitochondrial GSH transport. 2014 , 130, 75-86	9
794	Fermented Rice Bran Attenuates Oxidative Stress. 2014 , 467-480	7
793	Spermidine protects against ⊞ynuclein neurotoxicity. 2014 , 13, 3903-8	104
79 ²	Terpenes. 2014 , 189-284	
791	Phosphorescent iridium(iii) complexes as multicolour probes for imaging of hypochlorite ions in mitochondria. 2014 , 2, 7918-7926	69
790	Neuroprotective role of trans-resveratrol in a murine model of familial Alzheimer's disease. 2014 , 42, 1209-20	112
789	Oxidative Stress, Neuroinflammation, and Neurodegeneration. 2014 , 81-104	4
788	Acidosis overrides oxygen deprivation to maintain mitochondrial function and cell survival. 2014 , 5, 3550	103
787	Targeting ATM ameliorates mutant Huntingtin toxicity in cell and animal models of Huntington's disease. 2014 , 6, 268ra178	78
786	Huntington Disease - principles and practice of nutritional management. 2014 , 48, 442-8	10
785	FDG-PET and amyloid-PET imaging: the diverging paths. 2014 , 27, 405-13	48
784	Genetic mechanisms underlying the pathogenicity of cold-stressed Salmonella enterica serovar typhimurium in cultured intestinal epithelial cells. 2014 , 80, 6943-53	19
783	Expression of HER-2 in rectal cancers treated with preoperative radiotherapy: a potential biomarker predictive of metastasis. 2014 , 57, 602-7	21
782	Association of plasma malondialdehyde with ARMS2 genetic variants and phenotypes in polypoidal choroidal vasculopathy and age-related macular degeneration. 2014 , 34, 1167-76	7
781	The neurotoxicity of 5-S-cysteinyldopamine is mediated by the early activation of ERK1/2 followed by the subsequent activation of ASK1/JNK1/2 pro-apoptotic signalling. 2014 , 463, 41-52	11
780	Cytoprotective effects of 12-oxo phytodienoic acid, a plant-derived oxylipin jasmonate, on oxidative stress-induced toxicity in human neuroblastoma SH-SY5Y cells. 2014 , 1840, 3413-22	40
779	Amide-type adduct of dopamine - plausible cause of Parkinson diseases. 2014 , 77, 49-60	3
778	Cerebral blood flow is diminished in asymptomatic middle-aged adults with maternal history of Alzheimer's disease. 2014 , 24, 978-88	70

Chaperones and Proteases of Mitochondria: From Protein Folding and Degradation to Mitophagy. **2014**, 303-327

776	Effect of Exercise on Oxidative Stress in Neurological Disorders. 2014 , 287-327	1
775	The role of histone deacetylase 6 (HDAC6) in neurodegeneration. 2014 , 1	5
774	Metabolic disturbances in diseases with neurological involvement. 2014 , 5, 238-55	25
773	Inhibition of AMP-activated protein kinase signaling alleviates impairments in hippocampal synaptic plasticity induced by amyloid []2014, 34, 12230-8	111
772	Fibroblast growth factor-21 enhances mitochondrial functions and increases the activity of PGC-1∃ in human dopaminergic neurons via Sirtuin-1. 2014 , 3, 2	64
771	Expression of alternative oxidase in Drosophila ameliorates diverse phenotypes due to cytochrome oxidase deficiency. 2014 , 23, 2078-93	43
770	Mitochondrial energy metabolism and redox signaling in brain aging and neurodegeneration. 2014 , 20, 353-71	163
769	Local gene expression in nerve endings. 2014 , 74, 279-91	31
768	Multiple System Atrophy. 2014 ,	4
767	Estrogen: a master regulator of bioenergetic systems in the brain and body. 2014 , 35, 8-30	254
766	Mitochondria-targeted antioxidants for treatment of Parkinson's disease: preclinical and clinical outcomes. 2014 , 1842, 1282-94	215
765	Organelle Stress and mTOR in Aging-Associated Inflammation. 2014 , 165-181	
764	Targeting the unfolded protein response in neurodegeneration: A new approach to therapy. 2014 , 76 Pt A, 169-74	80
763	Inter-individual variation in DNA repair capacity: a need for multi-pathway functional assays to promote translational DNA repair research. 2014 , 19, 199-213	60
762	Mitochondrial DNA content contributes to healthy aging in Chinese: a study from nonagenarians and centenarians. 2014 , 35, 1779.e1-4	27
761	Towards translational therapies for multiple system atrophy. 2014 , 118, 19-35	33
760	Epigallocatechin gallate counteracts oxidative stress in docosahexaenoxic acid-treated myocytes. 2014 , 1837, 783-91	27

759	Glycogen synthase kinase-3 inhibitors: Rescuers of cognitive impairments. 2014 , 141, 1-12	127
75 ⁸	Resveratrol improves motoneuron function and extends survival in SOD1(G93A) ALS mice. 2014 , 11, 419-32	106
757	Evaluation of lovastatin effects on expression of anti-apoptotic Nrf2 and PGC-1-genes in neural stem cells treated with hydrogen peroxide. 2014 , 49, 1364-72	21
756	Celastrol from 'Thunder God Vine' protects SH-SY5Y cells through the preservation of mitochondrial function and inhibition of p38 MAPK in a rotenone model of Parkinson's disease. 2014 , 39, 84-96	47
755	Iron deposits in the chronically inflamed central nervous system and contributes to neurodegeneration. 2014 , 71, 1607-22	98
754	Role of mitochondria in mutant SOD1 linked amyotrophic lateral sclerosis. 2014 , 1842, 1295-301	79
753	Oxidative stress in Alzheimer's disease: are we connecting the dots?. 2014 , 57, 2821-31	150
75 ²	AD-linked, toxic NH2 human tau affects the quality control of mitochondria in neurons. 2014 , 62, 489-507	57
75 ¹	Mitochondrial oxygen consumption deficits in skeletal muscle isolated from an Alzheimer's disease-relevant murine model. 2014 , 15, 24	21
750	P62/SQSTM1 at the interface of aging, autophagy, and disease. 2014 , 36, 9626	95
749	Rutin from Dendropanax morbifera Leveille protects human dopaminergic cells against rotenone induced cell injury through inhibiting JNK and p38 MAPK signaling. 2014 , 39, 707-18	64
748	Revisiting the neuropathogenesis of Zellweger syndrome. 2014 , 69, 1-8	33
747	High-Content Imaging Assays for Identifying Compounds that Generate Superoxide and Impair Mitochondrial Membrane Potential in Adherent Eukaryotic Cells. 2014 , 59, 25.1.1-14	4
746	Curcumin nanoparticles attenuate neurochemical and neurobehavioral deficits in experimental model of Huntington's disease. 2014 , 16, 106-18	102
745	Mitochondrial respiratory chain complexes as sources and targets of thiol-based redox-regulation. 2014 , 1844, 1344-54	106
744	Redox regulation of mitochondrial function with emphasis on cysteine oxidation reactions. 2014 , 2, 123-39	194
743	Highly luminescent N-doped carbon quantum dots as an effective multifunctional fluorescence sensing platform. 2014 , 20, 2254-63	340
742	Improved neuroprotective effects by combining Bacopa monnieri and Rosmarinus officinalis supercritical CO2 extracts. 2014 , 19, 119-27	9

741	Mitochondrial allostatic load puts the 'gluc' back in glucocorticoids. 2014 , 10, 303-10	212
740	Mitochondrial free radical theory of aging: who moved my premise?. 2014 , 14, 740-9	18
739	Role of neurosteroids in experimental 3-nitropropionic acid induced neurotoxicity in rats. 2014 , 723, 38-45	18
738	Dysfunction of mitochondrial dynamics in the brains of scrapie-infected mice. 2014 , 448, 157-62	25
737	Cellular protection using Flt3 and PI3KEnhibitors demonstrates multiple mechanisms of oxidative glutamate toxicity. 2014 , 5, 3672	74
736	Molecular hydrogen as a preventive and therapeutic medical gas: initiation, development and potential of hydrogen medicine. 2014 , 144, 1-11	241
735	Multiparametric optical analysis of mitochondrial redox signals during neuronal physiology and pathology in vivo. 2014 , 20, 555-60	120
734	How to deal with oxygen radicals stemming from mitochondrial fatty acid oxidation. 2014 , 369, 20130446	31
733	New insight into neurodegeneration: the role of proteomics. 2014 , 49, 1181-99	17
732	Link between oxidative stress and acute brain ischemia. 2014 , 65, 667-76	67
731	Astaxanthin alleviates brain aging in rats by attenuating oxidative stress and increasing BDNF levels. 2014 , 5, 158-66	91
730	Alpha-synuclein transmission and mitochondrial toxicity in primary human foetal enteric neurons in vitro. 2014 , 25, 170-82	22
729	The influence of cannabinoids on generic traits of neurodegeneration. 2014 , 171, 1347-60	47
728	Mutations that affect mitochondrial functions and their association with neurodegenerative diseases. 2014 , 759, 1-13	39
727	Mitochondrial dysfunction contributes to neurodegeneration in multiple sclerosis. 2014, 20, 179-87	163
726	Endoplasmic reticulum stress activates transglutaminase 2 leading to protein aggregation. 2014 , 33, 849-55	15
725	Mitochondrial genome changes and neurodegenerative diseases. 2014 , 1842, 1198-207	51
724	A mechanistic mathematical model for the catalytic action of glutathione peroxidase. 2014 , 48, 487-502	18

723	Mitochondrial respiration as a target for neuroprotection and cognitive enhancement. 2014 , 88, 584-93	73
722	PGC-1Eoverexpression exacerbates Eamyloid and tau deposition in a transgenic mouse model of Alzheimer's disease. 2014 , 28, 1745-55	41
721	Blood expression profiles of fragile X premutation carriers identify candidate genes involved in neurodegenerative and infertility phenotypes. 2014 , 65, 43-54	18
720	Klotho upregulation contributes to the neuroprotection of ligustilide in an Alzheimer's disease mouse model. 2014 , 35, 169-78	86
719	The novel tetramethylpyrazine bis-nitrone (TN-2) protects against MPTP/MPP+-induced neurotoxicity via inhibition of mitochondrial-dependent apoptosis. 2014 , 9, 245-58	24
718	Oxidative stress and genetic markers of suboptimal antioxidant defense in the aging brain: a theoretical review. 2014 , 25, 805-19	67
717	Synthesis and spin-trapping properties of a trifluoromethyl analogue of DMPO: 5-methyl-5-trifluoromethyl-1-pyrroline N-oxide (5-TFDMPO). 2014 , 20, 4064-71	11
716	Neuroprotective effect of paeoniflorin in the mouse model of Parkinson's disease through Bynuclein/protein kinase C Bubtype signaling pathway. 2021 , 32, 1379-1387	2
715	Early mitochondrial stress and metabolic imbalance lead to photoreceptor cell death in retinal degeneration.	0
714	Txn1 mutation causes epilepsy associated with vacuolar degeneration in the midbrain.	
714	Txn1 mutation causes epilepsy associated with vacuolar degeneration in the midbrain. Impact of Selenium on Biomarkers and Clinical Aspects Related to Ageing. A Review. 2021, 11,	5
		5
713	Impact of Selenium on Biomarkers and Clinical Aspects Related to Ageing. A Review. 2021 , 11, DL0410 Alleviates Memory Impairment in D-Galactose-Induced Aging Rats by Suppressing	
713 712	Impact of Selenium on Biomarkers and Clinical Aspects Related to Ageing. A Review. 2021 , 11, DL0410 Alleviates Memory Impairment in D-Galactose-Induced Aging Rats by Suppressing Neuroinflammation via the TLR4/MyD88/NF-B Pathway. 2021 , 2021, 6521146 Targetable Pathways for Alleviating Mitochondrial Dysfunction in Neurodegeneration of Metabolic	2
713 712 711	Impact of Selenium on Biomarkers and Clinical Aspects Related to Ageing. A Review. 2021, 11, DL0410 Alleviates Memory Impairment in D-Galactose-Induced Aging Rats by Suppressing Neuroinflammation via the TLR4/MyD88/NF-B Pathway. 2021, 2021, 6521146 Targetable Pathways for Alleviating Mitochondrial Dysfunction in Neurodegeneration of Metabolic and Non-Metabolic Diseases. 2021, 22, De Novo Design of a Robust Fluorescent Probe for Basal HClO Imaging in a Mouse Parkinson's	4
713 712 711 710	Impact of Selenium on Biomarkers and Clinical Aspects Related to Ageing. A Review. 2021, 11, DL0410 Alleviates Memory Impairment in D-Galactose-Induced Aging Rats by Suppressing Neuroinflammation via the TLR4/MyD88/NF-B Pathway. 2021, 2021, 6521146 Targetable Pathways for Alleviating Mitochondrial Dysfunction in Neurodegeneration of Metabolic and Non-Metabolic Diseases. 2021, 22, De Novo Design of a Robust Fluorescent Probe for Basal HClO Imaging in a Mouse Parkinson's Disease Model. 2021, 12, 4058-4064	4 3
713 712 711 710 709	Impact of Selenium on Biomarkers and Clinical Aspects Related to Ageing. A Review. 2021, 11, DL0410 Alleviates Memory Impairment in D-Galactose-Induced Aging Rats by Suppressing Neuroinflammation via the TLR4/MyD88/NF-B Pathway. 2021, 2021, 6521146 Targetable Pathways for Alleviating Mitochondrial Dysfunction in Neurodegeneration of Metabolic and Non-Metabolic Diseases. 2021, 22, De Novo Design of a Robust Fluorescent Probe for Basal HClO Imaging in a Mouse Parkinson's Disease Model. 2021, 12, 4058-4064 Mitochondrial Biogenesis and Dynamics in Health and Disease. 2022, 31-51	2 4 3

705	Chronic methamphetamine-induced neurodegeneration: Differential vulnerability of ventral tegmental area and substantia nigra pars compacta dopamine neurons. 2021 , 200, 108817
704	Molecular Modifications Induced by Physical Exercise: A Significant Role in Disease Prevention. 2007 , 83-99
703	Exocytosis, Mitochondrial Injury and Oxidative Stress in Neurodegenerative Diseases. 2009, 65-81
702	Redox Imbalance in the Endoplasmic Reticulum. 2009 , 45-64
701	Excitatory Amino Acids, S-Nitrosylation, and Protein Misfolding in Neurodegenerative. 2009,
700	Oxidative Stress and Cardiovascular Fibrosis. 2010 , 425-441
699	Complex I Deficiency. 2010 , 239-241
698	The Neurobiology of Aging: Free Radical Stress and Metabolic Pathways. 2010 , 150-157
697	The Search for Biomarkers in Alzheimer's Disease. 2010 , 2, 4
696	Nervous System Aging, Degeneration, and the p53 Family. 2011 , 83-93
695	The Ultimate Catch-22: Will Life be the Death of Us?. 2011 , 6,
694	Common mtDNA Polymorphisms and Neurodegenerative Disorders. 2012 , 63-78
693	Mitochondrial Dysfunction in Sporadic Alzheimer Disease: Mechanisms, Consequences and Interventions. 2012 , 49-65
692	RLipoic Acid as a Potent Agent of Mitochondrial Protectionin Alzheimer Disease. 2012, 455-467
691	Cognitive-enhancing Effects of a Fermented Milk Product, LHFM on Scopolamine-induced Amnesia. 2012 , 44, 428-433
690	Perspective and Direction for Future Research. 2013 , 379-398
689	CHAPTER 2:Mild Cognitive Impairment. 2013 , 31-57
688	Brain Hypometabolism, Oxidative Stress, Maternal Transmission, and Risk of Late-Onset Alzheimer Disease. 2013 , 137-157

(-2013)

687	The Effect of Antioxidative Change in Cardiac Muscle of Obesity Rat by Treadmill Exercise with Intensity and Time. 2013 , 38, 35-51	
686	Virtual Reality Augmented Training for Improving Walking and Reducing Fall Risk in Patients with Neurodegenerative Disease. 2014 , 145-168	
685	Cell Culture Models of Inflammation in Parkinson Disease. 2014 , 175-187	
684	Pathophysiological Roles of Reactive Oxygen and Nitrogen Species. 2014 , 171-206	1
683	Diabetes. 2014 , 115-146	
682	Transcription Modulation of Mitochondrial Function and Related Pathways as a Therapeutic Opportunity in Parkinson Disease. 2016 , 231-253	O
681	Mitochondrial DNA Density Homeostasis Accounts for the Threshold Effect in Human Mitochondrial Disease.	
680	Ethanol Extract from Asparagus Cochinchinensis Attenuates Glutamate-Induced Oxidative Toxicity in HT22 Hippocampal Cells. 2016 , 26, 1458-1465	O
679	Complex I Deficiency?. 2017 ,	
678	Retinal Ganglion Cell Apoptosis and Neuroprotection?. 2017,	
677	Functional Summarization. 2017 , 59-94	
676	Cyclic E2 and P4 on Alzheimer Disease Pathways. 2017 , 06, 32-44	
675	Mitochondrial impairment and rescue in riboflavin responsive neuropathy.	
674	A novel mitochondrial enriched antioxidant protects neurons against acute oxidative stress.	
673	Amyloid accumulation drives proteome-wide alterations in mouse models of Alzheimer disease like pathology.	1
672	Low-level mitochondrial heteroplasmy modulates DNA replication, glucose metabolism and lifespan in mice.	
671	Effect of Parental Exercise before Pregnancy on Neuronal Plasticity and Mitochondrial Function in the Hippocampus of Offspring. 2017 , 56, 497-507	
670	Warning SINEs: Alu elements, evolution of the human brain, and the spectrum of neurological disease.	O

669	D rosophila as a Model for Human Diseases. 1-10	1
668	Systems Analysis of the 22q11.2 Microdeletion Syndrome Converges on a Mitochondrial Interactome Necessary for Synapse Function and Behavior.	O
667	Huntington Disease and Other Polyglutamine Repeat Diseases: Molecular Mechanisms and Pathogenic Pathways. 2018 , 145-188	
666	Analysis of heat-induced protein aggregation in human mitochondria.	
665	A widespread decrease of chromatin accessibility in age-related macular degeneration.	
664	Insufficient fumarase contributes to generating reactive oxygen species in Dahl salt sensitive rats.	
663	Local unfolding of the HSP27 monomer regulates chaperone activity.	
662	The Influence of New Antitumor 4-Thiazolidinone Derivatives in Complex with PEG-Containing Polymeric Carrier on Prooxidant- Antioxidant Status in Liver, Heart and Kidney Tissues of Rats. 2018 , 2018, 40-51	
661	Protein Network Analysis to Prioritize Key Genes and Pathway for Stress-Mediated Neurodegeneration. 2018 , 11, 240-251	3
660	Pregnancy-associated plasma protein-aa promotes neuron survival by regulating mitochondrial function.	
659	Light-evoked activity and BDNF regulate mitochondrial dynamics and mitochondrial localized translation.	
658	SIRT2, ERK and Nrf2 mediate NAD+ treatment-induced increase in the antioxidant capacity of differentiated PC12 cells under basal conditions.	
657	The Aging Brain. 2019 , 1-23	1
656	Alternation of Mitochondrial and Golgi Apparatus in Neurodegenerative Disorders. 2019, 102-128	
655	Mitochondrial Dysfunction in Aging and Neurodegeneration. 2019 , 76-101	
654	Environmental Aspects of Alzheimer's and Parkinson's Diseases Neuropathologies. 2019 , 236-265	1
653	Adenosine triphosphate maintenance by branched chain amino acids as a novel neuroprotective strategy for retinal neurodegenerative diseases. 2019 , 14, 82-84	О
652	Neurodegenerative Disorders Progression. 2019 , 129-152	

651 A	quantitative model of human neurodegenerative diseases involving protein aggregation.	
650 S	ets of Co-regulated Serum Lipids are Associated with Alzheimer Disease Pathophysiology.	
	n silico Single Nucleotide Polymorphism Prediction and Design for Targeting Amyloid Precursor Protein in Alzheimers Disease. 2019 , 31, 1959-1965	
648 D	Dicer1 is reduced in APPswe/PSEN1dE9 mice and is regulated by Nrf2.	
647 E	expression of protein c-fos in cerebellum neurons of rats at cholestasis. 2019 , 16, 135-141	
646 E	merging Perspectives on DNA Double-strand Breaks in Neurodegenerative Diseases. 2019 , 17, 1146-1157	3
	hermal cycling protects SH-SY5Y cells against hydrogen peroxide and 🗈 myloid-induced cell injury hrough stress response mechanisms involving Akt pathway.	
644 N	Janomaterials and Reactive Oxygen Species (ROS). 2020 , 361-387	Ο
	NCAE46KtransgenicDrosophilaModel of Parkinson Disease Confirmed the Causative Role of Oxidative Stress.	0
	Bacterial chondronecrosis with osteomyelitis (BCO) in modern broilers: impacts, mechanisms, and berspectives 2020 , 15,	
617	Hardy-Weinberg Equilibrium in different mitochondrial haplogroups of four genes associated with europrotection and neurodegeneration. 2020 , 78, 269-276	
640 J	NK signalling regulates antioxidant responses in neurons.	
639 R	Regulation of NAD metabolism in aging and disease. 2022 , 126, 154923	6
	Molecular Changes in Prader-Willi Syndrome Neurons Reveals Clues About Increased Autism Susceptibility. 2021 , 14, 747855	1
637 a	s a Model for Investigating Neurodegenerative Diseases. 2021 , 15, 759532	1
	iffects of Panthenol and N-Acetylcysteine on Changes in the Redox State of Brain Mitochondria Inder Oxidative Stress In Vitro. 2021 , 10,	2
	Potentiating the Benefits of Melatonin through Chemical Functionalization: Possible Impact on Multifactorial Neurodegenerative Disorders. 2021 , 22,	1
	nsights into the Pathogenesis of Neurodegenerative Diseases: Focus on Mitochondrial Dysfunction nd Oxidative Stress. 2021 , 22,	7

633	Neuroprotective Potential of Chrysin: Mechanistic Insights and Therapeutic Potential for Neurological Disorders. 2021 , 26,	9
632	Potential of Ramalin and Its Derivatives for the Treatment of Alzheimer's Disease. 2021 , 26,	O
631	New Mechanisms and Targets of Subarachnoid Hemorrhage: A Focus on Mitochondria. 2021,	1
630	Demyelination of the Optic Nerve: An Underlying Factor in Glaucoma?. 2021 , 13, 701322	O
629	Niacin and Butyrate: Nutraceuticals Targeting Dysbiosis and Intestinal Permeability in Parkinson's Disease. 2020 , 13,	5
628	Molecular mechanisms of the disturbance caused by malondialdehyde on probiotic Lactobacillus reuteri PL503. 2020 ,	2
627	Mitochondria-targeted phosphorescent cyclometalated iridium(III) complex for bioimaging of HS. 2022 , 226, 111626	O
626	Mitochondria targeted fluorogenic theranostic agents for cancer therapy. 2022 , 452, 214283	4
625	The Significance of 8-oxoGsn in Aging-Related Diseases. 2020 , 11, 1329-1338	6
624	Possible Therapeutic Potential of Flavonoids and Phenolic Acids from Honey in Age-Related Neurodegenerative Diseases Via Targeting NAD+ Degradation. 2020 , 19-43	
623	Transcriptional signature of prion-induced neurotoxicity in a Drosophila model of transmissible mammalian prion disease. 2020 , 477, 833-852	2
622	Taxifolin retards the D-galactose-induced aging process through inhibiting Nrf2-mediated oxidative stress and regulating the gut microbiota in mice. 2021 , 12, 12142-12158	2
621	Comparative functional genomic analysis of Alzheimer's affected and naturally aging brains. 2020 , 8, e8682	O
620	Role of CNC1 gene in TDP-43 aggregation-induced oxidative stress-mediated cell death in S. cerevisiae model of ALS.	
619	Neuroglobin in Neurons of the Frontal and Parietal Cortex of White Rats in Cholestasis. 2020 , 9, 24-29	
618	Delineation of Neuroprotective Effects and Possible Benefits of AntioxidantsTherapy for the Treatment of Alzheimer's Diseases by Targeting Mitochondrial-Derived Reactive Oxygen Species: Bench to Bedside. 2021 , 59, 657	8
617	Acetylation in Mitochondria Dynamics and Neurodegeneration. 2021, 10,	3
616	Targeting Mitochondrial Metabolism as a Strategy to Treat Senescence. 2021 , 10,	5

(2008-2021)

615	Metabolic Imbalance Effect on Retinal Miler Glial Cells Reprogramming Capacity: Involvement of Histone Deacetylase SIRT6. 2021 , 12, 769723	
614	Running to save sight: The effects of exercise on retinal health and function. 2021 , 1	
613	Mitochondrial iron metabolism and neurodegenerative diseases. 2021 , 88, 88-101	
612	Organic dust induced mitochondrial dysfunction could be targeted via cGAS-STING or mitochondrial NOX-2 inhibition.	
611	Development of an objective index, neural activity score (NAS), reveals neural network ontogeny and treatment effects on microelectrode arrays.	
610	Oxidative stress modulation in neurodegenerative diseases.	
609	Introductory Chapter: Macular Degeneration: Mechanisms of Action.	
608	In Vivo Validation of Bimolecular Fluorescence Complementation (BiFC) to Investigate Aggregate Formation in Amyotrophic Lateral Sclerosis (ALS).	
607	Inflammation mediates lung cancer-induced increase in the epidermal green autofluorescence of mice.	
606	Effect of Cyclosporine A-induced Senescence on Cultured Human Corneal Endothelial Cells. 2020 , 61, 999-1009	
605	Extending the integrate-and-fire model to account for metabolic dependencies.	
604	Doxycycline inhibits ⊞ynuclein-associated pathologies in vitro and in vivo.	
603	Treatment of age-related visual impairment with a mitochondrial therapeutic.	
602	Multiple System Atrophy (MSA) and smoking: a meta-analysis and mechanistic insights. 2020 , 12, 21959-21970 O	
601	Chapter 10: Taurine. 2020 , 339-391	
600	Chapter 11: Silymarin. 2020 , 393-425	
599	Chapter 9: Carnitine. 2020 , 299-338	
598	Neuroprotective activities of enzymatically hydrolyzed peptides from porcine hide gelatin. 2008 , 1, 283-93 4	

597	Potential role of estrogen in the pathobiology and prevention of Alzheimer's disease. 2009 , 1, 131-47	12
596	Mitochondrial DNA haplogroup distribution in Chaoshanese with and without myopia. 2010 , 16, 303-9	36
595	LOC387715/HTRA1 gene polymorphisms and susceptibility to age-related macular degeneration: A HuGE review and meta-analysis. 2010 , 16, 1958-81	55
594	Mitochondrial Dysfunction during Brain Aging: Role of Oxidative Stress and Modulation by Antioxidant Supplementation. 2011 , 2, 242-56	46
593	Increase in retinal ganglion cells' susceptibility to elevated intraocular pressure and impairment of their endogenous neuroprotective mechanism by age. 2013 , 19, 2011-22	8
592	Pathways to neurodegeneration: mechanistic insights from GWAS in Alzheimer's disease, Parkinson's disease, and related disorders. 2013 , 2, 145-75	106
591	The novel amyloid-beta peptide aptamer inhibits intracellular amyloid-beta peptide toxicity. 2013 , 8, 39-48	3
590	The role of RIP1 and RIP3 in the development of aplastic anemia induced by cyclophosphamide and busulphan in mice. 2014 , 7, 8411-20	7
589	Effects of dexmedetomidine pretreatment on heme oxygenase-1 expression and oxidative stress during one-lung ventilation. 2015 , 8, 3144-9	23
588	Chrysophanol affords neuroprotection against microglial activation and free radical-mediated oxidative damage in BV2 murine microglia. 2015 , 8, 3447-55	20
587	Cellular prion protein (PrP(C)) and its role in stress responses. 2015 , 8, 8042-50	14
586	Fundamental role of pan-inflammation and oxidative-nitrosative pathways in neuropathogenesis of Alzheimer's disease. 2016 , 5, 1-28	13
585	Fundamental role of pan-inflammation and oxidative-nitrosative pathways in neuropathogenesis of Alzheimer's disease in focal cerebral ischemic rats. 2016 , 5, 102-30	18
584	External factors affecting fertility, and how to correct their impact. 2017 , 9, 217-221	3
583	Arbutin attenuates behavioral impairment and oxidative stress in an animal model of Parkinson's disease. 2018 , 8, 533-542	11
582	The Role of Systemic Inflammation in Cancer-Associated Muscle Wasting and Rationale for Exercise as a Therapeutic Intervention. 2018 , 3,	20
581	Delta-Aminolevulinate dehydratase and glutathione peroxidase activity in Alzheimer's disease: a case-control study. 2019 , 18, 866-875	
580	Case Report: Homozygous Mutation Causes Monogenic Diabetes Mellitus Associated With Pancreatic Atrophy. 2021 , 12, 742278	

(2021-2021)

579	Eglutamylcysteine suppresses cadmium-induced apoptosis in PC12 cells via regulating oxidative stress. 2021 , 465, 153029	1
578	Carbon dot based nucleus targeted fluorescence imaging and detection of nuclear hydrogen peroxide in living cells.	2
577	Role of caspases, apoptosis and additional factors in pathology of Alzheimer's disease. 2022 , 69-151	0
576	Molecule fluorescent probes for adenosine triphosphate imaging in cancer cells and in vivo. 2022 , 452, 214302	10
575	Lighting up Individual Organelles With Fluorescent Carbon Dots 2021 , 9, 784851	2
574	F1F0 ATP Hydrolysis is a Determinant of Metabolic Rate, a Correlate of Lifespan, and a Weakness of Cancer.	O
573	Membrane-Activated Fluorescent Probe for High-Fidelity Imaging of Mitochondrial Membrane Potential. 2021 , 6, 4009-4018	1
572	Melatonin Ameliorates Valproic Acid-Induced Neurogenesis Impairment: The Role of Oxidative Stress in Adult Rats. 2021 , 2021, 9997582	3
571	Roles of eukaryotic elongation factor 2 kinase (eEF2K) in neuronal plasticity, cognition, and Alzheimer disease. 2021 ,	2
570	Interferon-driven brain phenotype in a mouse model of RNaseT2 deficient leukoencephalopathy. 2021 , 12, 6530	1
569	Contribution of Human Pluripotent Stem Cell-Based Models to Drug Discovery for Neurological Disorders 2021 , 10,	O
568	Taurine as a Natural Antioxidant: From Direct Antioxidant Effects to Protective Action in Various Toxicological Models 2021 , 10,	3
567	Protects Endothelial Dysfunction against Mitochondrial Oxidative Stress. 2021, 11,	
566	A coarse-grained NADH redox model enables inference of subcellular metabolic fluxes from fluorescence lifetime imaging. 2021 , 10,	1
565	Treatment of age-related visual impairment with a mitochondrial-acting peptide. 2021,	О
564	Neuronal accumulation of peroxidated lipids promotes demyelination and neurodegeneration through the activation of the microglial NLRP3 inflammasome. 2021 , 1, 1024-1037	О
563	Mitochondria in Early Forebrain Development: From Neurulation to Mid-Corticogenesis. 2021, 9, 780207	0
562	ER-misfolded proteins become sequestered with mitochondria and impair mitochondrial function. 2021 , 4, 1350	2

561	Overexpression of Neuroglobin Promotes Energy Metabolism and Autophagy Induction in Human Neuroblastoma SH-SY5Y Cells 2021 , 10,	4
560	A comprehensive overview of PPM1A: From structure to disease. 2021 , 15353702211061883	O
559	Negatively Regulated by miR-29c-3p, MTFR1 Promotes the Progression and Glycolysis in Lung Adenocarcinoma the AMPK/mTOR Signalling Pathway 2021 , 9, 771824	2
558	High-intensity training induces non-stoichiometric changes in the mitochondrial proteome of human skeletal muscle without reorganisation of respiratory chain content. 2021 , 12, 7056	7
557	Implications of Inflammation in Aging and Age-Related Diseases. 2021 , 51-80	
556	Increased expression of pathological markers in Parkinson's disease dementia post-mortem brains compared to dementia with Lewy bodies 2022 , 23, 3	O
555	Decreased mitochondrial D-loop region methylation mediates an increase in mitochondrial DNA copy number in CADASIL 2022 , 14, 2	1
554	Mitochondria targeting molecular transporters: synthesis, lipophilic effect, and ionic complex 2022 , 29, 270-283	O
553	Dietary protein and amino acid restriction: Roles in metabolic health and aging-related diseases. 2021 , 178, 226-226	4
552	Antagonists targeting eEF2 kinase rescue multiple aspects of pathophysiology in Alzheimer's disease model mice 2021 ,	O
551	Association between single nucleotide polymorphism of rs1937 in TFAM gene and longevity among the elderly Chinese population: based on the CLHLS study 2022 , 22, 16	
550	Reactive astrocytes acquire neuroprotective as well as deleterious signatures in response to Tau and Alþathology 2022 , 13, 135	4
549	Therapeutic promise of carotenoids as antioxidants and anti-inflammatory agents in neurodegenerative disorders 2022 , 146, 112610	5
548	Cannabinol inhibits oxytosis/ferroptosis by directly targeting mitochondria independently of cannabinoid receptors 2022 , 180, 33-51	2
547	Emodin ameliorates antioxidant capacity and exerts neuroprotective effect via PKM2-mediated Nrf2 transactivation 2021 , 160, 112790	1
546	Glucocorticoid caused lactic acid accumulation and damage in human chondrocytes via ROS-mediated inhibition of Monocarboxylate Transporter 4 2021 , 155, 116299	1
545	A tale of two systems: Lessons learned from female mid-life aging with implications for Alzheimer's prevention & treatment 2021 , 74, 101542	1
544	Chlorine disinfection elevates the toxicity of polystyrene microplastics to human cells by inducing mitochondria-dependent apoptosis. 2021 , 425, 127842	3

543	Colorimetric two-dimensional photonic crystal biosensors for label-free detection of hydrogen peroxide. 2022 , 354, 131236	2
542	EAminoisobutyric acid, L-BAIBA, protects PC12 cells from hydrogen peroxide-induced oxidative stress and apoptosis via activation of the AMPK and PI3K/Akt pathway 2022 , 12, 65-72	1
541	Benefits of Virtual Reality Balance Training for Patients With Parkinson Disease: Systematic Review, Meta-analysis, and Meta-Regression of a Randomized Controlled Trial 2022 , 10, e30882	2
540	Mitochondrial dysfunctions and neurodegenerative diseases: a mini-review. 2021, 10, 147-149	1
539	Gold Nanorods with Spatial Separation of CeO Deposition for Plasmonic-Enhanced Antioxidant Stress and Photothermal Therapy of Alzheimer's Disease 2022 ,	3
538	From the Bench to the Bedside: Branched Amino Acid and Micronutrient Strategies to Improve Mitochondrial Dysfunction Leading to Sarcopenia 2022 , 14,	O
537	Exploring multifunctional antioxidants as potential agents for management of neurological disorders 2022 , 29, 24458	3
536	Handelin extends lifespan and healthspan of Caenorhabditis elegans by reducing ROS generation and improving motor function 2022 , 23, 115	O
535	Propofol via Antioxidant Property Attenuated Hypoxia-Mediated Mitochondrial Dynamic Imbalance and Malfunction in Primary Rat Hippocampal Neurons 2022 , 2022, 6298786	0
534	Acetylated pelargonidin-3glucoside exhibits promising thermostability, lipophilicity, and protectivity against oxidative damage by activating the Nrf2/ARE pathway 2022 ,	O
533	In Vitro and Ex Vivo Investigation of the Effects of Polydopamine Nanoparticle Size on Their Antioxidant and Photothermal Properties: Implications for Biomedical Applications. 2022 , 5, 1702-1713	5
532	An organic molecular compound for identification of mitochondrial G-quadruplexes in live cells 2021 ,	1
531	Therapeutic Strategies Targeting Mitochondrial Calcium Signaling: A New Hope for Neurological Diseases?. 2022 , 11,	2
530	Involvement of FoxO1, Sp1, and Nrf2 in Upregulation of Negative Regulator of ROS by 15d-PGJ Attenuates HO-Induced IL-6 Expression in Rat Brain Astrocytes 2022 , 40, 154	O
529	The Regulatory Mechanism Between Lysosomes and Mitochondria in the Etiology of Cardiovascular Diseases 2022 , e13757	0
528	Mitochondrial structural variations in the process of mitophagy 2022 , e202200006	
527	Multi-omics analyses reveal early metabolic imbalance and mitochondrial stress in neonatal photoreceptors leading to cell death in Pde6brd1/rd1 mouse model of retinal degeneration 2022,	2
526	Bi-Directional Relationship Between Autophagy and Inflammasomes in Neurodegenerative Disorders 2022 , 1	1

Freshwater Clam Extract Mitigates Neuroinflammation and Amplifies Neurotrophic Activity of Glia: Insights from In Vitro Model of Neurodegenerative Pathomechanism.. **2022**, 11,

524	Excitotoxicity, calcium and mitochondria: a triad in synaptic neurodegeneration 2022, 11, 3	7
523	Ghrelin mediated hippocampal neurogenesis 2022, 118, 337-367	0
522	In Vivo C Magnetic Resonance Spectroscopy for Assessing Brain Biochemistry in Health and Disease 2022 , 47, 1183	0
521	Auxiliary Therapeutic Role of Cholinergic Agents: Mechanistic Insights into the Antioxidant Behavior of Alzheimer's Disease Drugs 2022 ,	0
520	Blood Circulatory Level of Seven Sirtuins in Alzheimer's Disease: Potent Biomarker Based on Translational Research 2022 , 59, 1440	1
519	Current understandings and perspectives of petroleum hydrocarbons in Alzheimer's disease and Parkinson's disease: a global concern 2022 , 29, 10928	0
518	Role of Creatine Supplementation in Conditions Involving Mitochondrial Dysfunction: A Narrative Review 2022 , 14,	2
517	Overproduction of hydrogen sulfide, generated by cystathionine Esynthase, disrupts brain wave patterns and contributes to neurobehavioral dysfunction in a rat model of down syndrome 2022 , 102233	7
516	Oridonin ameliorates traumatic brain injury-induced neurological damage by improving mitochondrial function and antioxidant capacity and suppressing neuroinflammation through the Nrf2 pathway 2022 ,	1
515	Role of Mitophagy in Coronary Heart Disease: Targeting the Mitochondrial Dysfunction and Inflammatory Regulation 2022 , 9, 819454	0
514	Carbonyl reduction of 4-oxonon-2-enal (4-ONE) by Sniffer from D. magna and D.pulex 2022 , 109833	
513	Trabecular Meshwork Mitochondrial Function and Oxidative Stress. 2022, 2, 100107	0
512	Exploring the dual character of metformin in Alzheimer's disease 2022 , 207, 108966	O
511	Abnormal Oxidative Metabolism in the Cuprizone Mouse Model of Demyelination: an in vivo NIRS-MRI Study 2022 , 250, 118935	1
510	Protective effect of l-carnitine-loaded solid lipid nanoparticles against HO-induced genotoxicity and apoptosis 2022 , 212, 112365	1
509	Applications of radiocomplexes with thiosemicarbazones and bis(thiosemicarbazones) in diagnostic and therapeutic nuclear medicine. 2022 , 458, 214418	4
508	Network pharmacology-based approach to investigate the mechanisms of Zingiber officinale Roscoe in the treatment of neurodegenerative diseases 2022 , e14068	

507	Genome-Wide Expression and Anti-Proliferative Effects of Electric Field Therapy on Pediatric and Adult Brain Tumors 2022 , 23,	O
506	Naked-Eye Detection of Hydrogen Peroxide on Photoluminescent Paper Discs 2022,	2
505	Oxidative Stress in Human Pathology and Aging: Molecular Mechanisms and Perspectives 2022 , 11,	19
504	Functional crosstalk between the carrier translocase machinery and YME1 complex maintains mitochondrial proteostasis and integrity.	Ο
503	mito-TEMPO Attenuates Oxidative Stress and Mitochondrial Dysfunction in Noise-Induced Hearing Loss Maintaining TFAM-mtDNA Interaction and Mitochondrial Biogenesis 2022 , 16, 803718	1
502	Metabolic profiling in the hypothalamus of aged mice 2022 , 599, 134-141	1
501	Delivery of mitochondria via extracellular vesicles - A new horizon in drug delivery 2022, 343, 400-407	0
500	Repositioning and development of new treatments for neurodegenerative diseases: Focus on neuroinflammation 2022 , 919, 174800	1
499	Precise control of mitophagy through ubiquitin proteasome system and deubiquitin proteases and their dysfunction in Parkinson's disease. 2021 , 54, 592-600	3
498	Interweaving of Reactive Oxygen Species and Major Neurological and Psychiatric Disorders 2021,	3
497	Mitochondrial Phenotypes in Parkinson's Diseases-A Focus on Human iPSC-Derived Dopaminergic Neurons 2021 , 10,	1
496	Mitochondrial dysfunction in protein conformational disorders. 2018 , 97, 703-713	1
495	Pathways to neurodegeneration: lessons learnt from unbiased genetic screens in. 2018, 97, 773-781	2
494	Precise control of mitophagy through ubiquitin proteasome system and deubiquitin proteases and their dysfunction in Parkinson's disease. 2021 ,	
493	Mitochondrial Dysfunction: A Key Player in the Pathogenesis of Autism Spectrum Disorders and Alzheimer Disease. 2021 , 21-42	
492	Analysis of Mitochondrial Dysfunction by Microplate Reader in hiPSC-Derived Neuronal Cell Models of Neurodegenerative Disorders 2022 , 1	O
491	Nrf2 Deficiency Attenuates Testosterone Efficiency in Ameliorating Mitochondrial Function of the Substantia Nigra in Aged Male Mice 2022 , 2022, 3644318	0
490	Nanonization of Magnoflorine-Encapsulated Novel Chitosan-Collagen Nanocapsules for Neurodegenerative Diseases: Evaluation 2022 , 7, 6472-6480	1

489	Geraniin Protects against Cerebral Ischemia/Reperfusion Injury by Suppressing Oxidative Stress and Neuronal Apoptosis via Regulation of the Nrf2/HO-1 Pathway 2022 , 2022, 2152746	2
488	Mitochondrial dysfunction in mandibular hypoplasia, deafness and progeroid features with concomitant lipodystrophy (MDPL) patients 2022 , 14, 1651-1664	О
487	Teriflunomide shifts the astrocytic bioenergetic profile from oxidative metabolism to glycolysis and attenuates TNF⊞nduced inflammatory responses 2022 , 12, 3049	0
486	Insight into the mitochondrial unfolded protein response and cancer: opportunities and challenges 2022 , 12, 18	2
485	The Case for Clinical Trials with Novel GABAergic Drugs in Diabetes Mellitus and Obesity 2022, 12,	
484	Mitochondrial ATP Synthase is a Target of Oxidative Stress in Neurodegenerative Diseases 2022 , 9, 854321	O
483	Differential Effects of 2-Deoxyglucose and Glucose Deprivation on 4-Hydroxynonenal Dependent Mitochondrial Dysfunction in Primary Neurons. 2022 , 3,	0
482	Mitochondria signaling pathways in allergic asthma 2022,	3
481	Differential gene expression by RNA-seq during Alzheimer's disease-like progression in the Drosophila melanogaster model 2022 ,	1
480	Analysis of Mitochondrial Function, Structure, and Intracellular Organization In Situ in Cardiomyocytes and Skeletal Muscles 2022 , 23,	O
479	Walnut-Derived Peptide Enhances Mitophagy via JNK-Mediated PINK1 Activation to Reduce Oxidative Stress in HT-22 Cells 2022 ,	1
478	Long Non-Coding RNAs in Retinal Ganglion Cell Apoptosis 2022 , 1	O
477	Hydrogen Ion Dynamics as the Fundamental Link between Neurodegenerative Diseases and Cancer: Its Application to the Therapeutics of Neurodegenerative Diseases with Special Emphasis on Multiple Sclerosis 2022 , 23,	1
476	Mitochondrial Inorganic Polyphosphate (polyP) Is a Potent Regulator of Mammalian Bioenergetics in SH-SY5Y Cells: A Proteomics and Metabolomics Study 2022 , 10, 833127	2
475	Therapeutic modulation of GSTO activity rescues FUS-associated neurotoxicity via deglutathionylation in ALS disease models 2022 ,	1
474	Contribution of Mendelian disorders in a population-based pediatric neurodegeneration cohort.	
473	Small Vessel Disease: Ancient Description, Novel Biomarkers 2022 , 23,	2
472	Endocannabinoid signaling in brain diseases: Emerging relevance of glial cells 2022,	O

Cognitive disorders and dementia in postmenopausal women. **2022**, 16, 58-65

470	Evaluating Water bitter leaf () and Scent Leaf (extracts as sources of nutraceuticals against	
4/0	manganese-induced toxicity in fruit fly model 2022 , 1-11	
469	Modifying the diet and gut microbiota to prevent and manage neurodegenerative diseases 2022,	2
468	Positive Aspects of Oxidative Stress at Different Levels of the Human Body: A Review 2022 , 11,	3
467	Neuroprotective and Behavioral Benefits of Exogenous Ketone Supplementation-Evoked Ketosis. 2022 , 423-465	
466	Chemical Design of Activatable Photoacoustic Probes for Precise Biomedical Applications 2022,	10
465	Roles of Long Non-coding RNAs in the Development of Aging-Related Neurodegenerative Diseases 2022 , 15, 844193	2
464	Evaluation of Blood-Brain-Barrier Permeability, Neurotoxicity, and Potential Cognitive Impairment by 's Virulence Factor Pyocyanin 2022 , 2022, 3060579	O
463	Rhodol-based fluorescent probes used for fast response toward ClO- and delayed determination of H2O2 in living cells.	
462	Stress vulnerability shapes disruption of motor cortical neuroplasticity 2022 , 12, 91	2
461	Noninvasive in vivo study of NADH fluorescence and its real-time intrinsic dynamical changes: Experiments and seven-layered skin model Monte Carlo simulations.	1
460	Mitochondrial Reactive Oxygen Species Elicit Acute and Chronic Itch via Transient Receptor Potential Canonical 3 Activation in Mice 2022 , 1	O
459	Evaluation of 6-Hydroxydopamine and Rotenone In Vitro Neurotoxicity on Differentiated SH-SY5Y Cells Using Applied Computational Statistics 2022 , 23,	0
458	Future Perspectives in Oxidative Stress in Trisomy 13 and 18 Evaluation 2022 , 11,	
457	Betulinic acid attenuates cognitive dysfunction, oxidative stress, and inflammation in a model of T-2 toxin-induced brain damage 2022 , 1	1
456	Biomarker-responsive Fluorescent Probes for In Vivo Imaging of Liver Injury 2022,	1
455	Network Preservation Analysis Reveals Dysregulated Synaptic Modules and Regulatory Hubs Shared Between Alzheimer's Disease and Temporal Lobe Epilepsy 2022 , 13, 821343	1
454	Hyperphosphorylated Human Tau Accumulates at the Synapse, Localizing on Synaptic Mitochondrial Outer Membranes and Disrupting Respiration in a Mouse Model of Tauopathy 2022 , 15, 852368	O

453	Ferroptosis in Cardiovascular Diseases: Current Status, Challenges, and Future Perspectives 2022 , 12,	O
452	Enhanced expression of autophagy-related p62 without increased deposits of neurodegeneration-associated proteins in glioblastoma and surrounding tissue - An autopsy-based study 2022 , e13058	
451	Applications of nanodiamonds in the diagnosis and treatment of neurological diseases. 2022, 24,	1
450	The synthesis and properties of mitochondrial targeted iron chelators 2022, 1	О
449	Itaconate prolongs the healthy lifespan by activating UPR in Caenorhabditis elegans 2022, 174951	0
448	Therapeutic Effect of Finasteride through its Antiandrogenic and Antioxidant Role in a Propionic acid-induced Autism Model: Demonstrated by Behavioral tests, Histological Findings and MR Spectroscopy' 2022 , 136622	O
447	Long-term exposure to copper induces mitochondria-mediated apoptosis in mouse hearts 2022 , 234, 113329	0
446	Target-Binding Accelerated Response for Sensitive Detection of Basal HO in Tumor Cells and Tissues via a Dual-Functional Fluorescence Probe 2022 ,	1
445	The Role of AMP-activated Protein Kinase (AMPK) in Oxytosis/Ferroptosis: Protector or Potentiator?. 2022 ,	O
	From Dock	
444	[18F]ROStrace detects oxidative stress in vivo and predicts progression of Alzheimer's disease pathology in APP/PS1 mice	
444		o
	pathology in APP/PS1 mice Astaxanthin, a carotenoid antioxidant, pretreatment alleviates cognitive deficits in aircraft noised mice by attenuating inflammatory and oxidative damage to the gut, heart and hippocampus 2022,	0
443	pathology in APP/PS1 mice Astaxanthin, a carotenoid antioxidant, pretreatment alleviates cognitive deficits in aircraft noised mice by attenuating inflammatory and oxidative damage to the gut, heart and hippocampus 2022, 148, 112777	
443	pathology in APP/PS1 mice Astaxanthin, a carotenoid antioxidant, pretreatment alleviates cognitive deficits in aircraft noised mice by attenuating inflammatory and oxidative damage to the gut, heart and hippocampus 2022, 148, 112777 Neuroprotection by Mucuna pruriens in Neurodegenerative Diseases 2022, 1 Periodontitis and cognitive impairment in older adults: The mediating role of mitochondrial	O
443 442 441	Pathology in APP/PS1 mice Astaxanthin, a carotenoid antioxidant, pretreatment alleviates cognitive deficits in aircraft noised mice by attenuating inflammatory and oxidative damage to the gut, heart and hippocampus 2022, 148, 112777 Neuroprotection by Mucuna pruriens in Neurodegenerative Diseases 2022, 1 Periodontitis and cognitive impairment in older adults: The mediating role of mitochondrial dysfunction 2022, Switching of Redox Signaling by Prdx6 Expression Decides Cellular Fate by Hormetic Phenomena	0
443 442 441 440	Pathology in APP/PS1 mice Astaxanthin, a carotenoid antioxidant, pretreatment alleviates cognitive deficits in aircraft noised mice by attenuating inflammatory and oxidative damage to the gut, heart and hippocampus 2022, 148, 112777 Neuroprotection by Mucuna pruriens in Neurodegenerative Diseases 2022, 1 Periodontitis and cognitive impairment in older adults: The mediating role of mitochondrial dysfunction 2022, Switching of Redox Signaling by Prdx6 Expression Decides Cellular Fate by Hormetic Phenomena Involving Nrf2 and Reactive Oxygen Species 2022, 11, Development of iPSC-based clinical trial selection platform for patients with ultrarare diseases	0 0
443 442 441 440 439	Astaxanthin, a carotenoid antioxidant, pretreatment alleviates cognitive deficits in aircraft noised mice by attenuating inflammatory and oxidative damage to the gut, heart and hippocampus 2022, 148, 112777 Neuroprotection by Mucuna pruriens in Neurodegenerative Diseases 2022, 1 Periodontitis and cognitive impairment in older adults: The mediating role of mitochondrial dysfunction 2022, Switching of Redox Signaling by Prdx6 Expression Decides Cellular Fate by Hormetic Phenomena Involving Nrf2 and Reactive Oxygen Species 2022, 11, Development of iPSC-based clinical trial selection platform for patients with ultrarare diseases 2022, 8, eabl4370	0 0 1

435	Melamine induced human serum albumin aggregates: Its possible role in amyloidogenesis. 2022 , 356, 119004	О
434	Neurons undergo pathogenic metabolic reprogramming in models of familial ALS 2022, 101468	1
433	Design, synthesis, biological evaluation, molecular docking, and dynamic simulation study of novel imidazo[2,1-b]thiazole derivatives as potent antioxidant agents. 2022 , 1258, 132673	1
432	Differential mitochondrial and cellular responses between H vs. J mtDNA haplogroup-containing human RPE transmitochondrial cybrid cells 2022 , 109013	1
431	Quantifying HO by ratiometric fluorescence sensor platform of N-GQDs/rhodamine B in the presence of thioglycolic acid under the catalysis of Fe 2022 , 275, 121191	
430	Acetyl group assisted rapid intramolecular recognition of hydrogen peroxide: A novel promising approach for efficient hydrogen peroxide probe 2022 , 276, 121162	O
429	A mitochondrial response to oxidative stress mediated by unscheduled RNA-DNA hybrids (R-loops) 2021 , 8, 2007028	O
428	Target engagement of ginsenosides in mild cognitive impairment using mass spectrometry-based drug affinity responsive target stability. 2021 ,	O
427	Associations of mitochondrial DNA copy number with incident risks of gastrointestinal cancers: a prospective case-cohort study.	
426	Comparison of three methods for quantification of glutathione in tissues of hypertensive rats 2021 , 1-14	1
425	Crude Saponin from Attenuates Allnduced Neurotoxicity via Antioxidant, Anti-Inflammatory and Anti-Apoptotic Signaling Pathways 2021 , 10,	0
424	Levels of glutathione-related antioxidants in some tissues of stressed Wistar rats. 65, 167-176	
423	Role of Mitochondrial Protein Import in Age-Related Neurodegenerative and Cardiovascular Diseases 2021 , 10,	2
422	DNA Damage and Repair Deficiency in ALS/FTD-Associated Neurodegeneration: From Molecular Mechanisms to Therapeutic Implication 2021 , 14, 784361	1
421	Mitophagy in aging and longevity. 2021,	1
420	The Mechanism of Mitochondrial Injury in Alpha-1 Antitrypsin Deficiency Mediated Liver Disease 2021 , 22,	2
419	Low Concentrations of Zinc Oxide Nanoparticles Cause Severe Cytotoxicity Through Increased Intracellular Reactive Oxygen Species 2021 , 17, 2420-2432	3
418	Phenomenological equations for electron transport chain-mediated reactive oxygen species metabolism. 2021 ,	0

417	Proposed Mechanisms of Photobiomodulation (PBM) Mediated via the Stimulation of Mitochondrial Activity in Peripheral Nerve Injuries. 2021 , 10, 195-200	1
416	Slow-wave sleep affects synucleinopathy and regulates proteostatic processes in mouse models of Parkinson's disease. 2021 , 13, eabe7099	2
415	Vitamin B12 Reduces TDP-43 Toxicity by Alleviating Oxidative Stress and Mitochondrial Dysfunction 2021 , 11,	О
414	CHAPTER 1. Etiology and Pathogenesis of Parkinson Disease. 1-26	1
413	OUP accepted manuscript.	О
412	-anethole Ameliorates Intestinal Injury Through Activation of Nrf2 Signaling Pathway in Subclinical Necrotic Enteritis-Induced Broilers 2022 , 9, 877066	O
411	Identification of Molecular Correlations Between DHRS4 and Progressive Neurodegeneration in Amyotrophic Lateral Sclerosis By Gene Co-Expression Network Analysis 2022 , 13, 874978	0
410	Age-related visual impairments and retinal ganglion cells axonal degeneration in a mouse model harboring OPTN (E50K) mutation 2022 , 13, 362	O
409	Mitochondria-Targeting and ROS-Responsive Nanocarriers via Amphiphilic TPP-PEG-TK-Ce6 for Nanoenabled Photodynamic Therapy. 2022 , 2022, 1-9	О
408	N-acetylcysteine ameliorates monocrotophos exposure-induced mitochondrial dysfunctions in rat liver 2022 , 1-29	O
407	Subcellular delivery of lipid nanoparticles to endoplasmic reticulum and mitochondria 2022, e1803	О
406	Potential Effects of Nrf2 in Exercise Intervention of Neurotoxicity Caused by Methamphetamine Oxidative Stress 2022 , 2022, 4445734	O
405	Free Radical Properties, Source and Targets, Antioxidant Consumption and Health. 2022, 2, 48-78	11
404	Mitolysosome exocytosis, a mitophagy-independent mitochondrial quality control in flunarizine-induced parkinsonism-like symptoms 2022 , 8, eabk2376	O
403	A Novel NOX Inhibitor Treatment Attenuates Parkinson's Disease-Related Pathology in Mouse Models 2022 , 23,	О
402	Neuromodulatory effects of hesperidin against sodium fluoride-induced neurotoxicity in rats: Involvement of neuroinflammation, endoplasmic reticulum stress, apoptosis and autophagy 2022 ,	1
401	CHAPTER 8. Redox Signalling in Dopaminergic Cell Death and Survival. 210-254	
400	CHAPTER 11. At the Intersection Between Mitochondrial Dysfunction and Lysosomal Autophagy: Role of PD-Related Neurotoxins and Gene Products. 325-388	

(2018-2018)

Video1.MP4. 2018, 399 398 DataSheet_1.pdf. 2019, Image_1.TIF. 2018, 397 396 Data_Sheet_1.DOCX. 2018, Data_Sheet_2.DOCX. 2018, 395 Data_Sheet_3.docx. 2018, 394 Data_Sheet_4.XLSX. 2018, 393 Data_Sheet_5.XLSX. 2018, 392 Data_Sheet_6.XLSX. 2018, 391 Data_Sheet_1.XLS. 2018, 390 389 Image_1.TIFF. 2018, 388 Image_2.TIFF. 2018, 387 Image_3.TIFF. 2018, Image_4.TIFF. 2018, 386 385 Image_5.PDF. 2018, 384 Image_6.PDF. **2018**, 383 Image_7.TIFF. 2018, 382 Table_1.DOC. 2018,

381 Table_2.DOC. 2018, Data_Sheet_1.PDF. 2019, 380 Image_1.TIF. 2019, 379 Image_2.TIF. 2019, 378 Image_3.TIF. 2019, 377 Image_4.TIF. 2019, 376 Data_Sheet_1.DOCX. 2020, 375 Image_1.TIF. 2018, 374 Image_2.JPEG. 2018, 373 Image_1.tif. 2018, 372 Image_2.tif. 2018, 371 Data_Sheet_1.pdf. 2019, 370 369 Data_Sheet_1.PDF. 2020, 368 Data_Sheet_1.ZIP. 2020, 367 Data_Sheet_2.ZIP. 2020, 366 Image_1.TIF. **2019**, Image_2.TIF. 2019, 365 Image_3.TIF. 2019, 364

363	lmage_4.TIF. 2019 ,	
362	Data_Sheet_1.pdf. 2018 ,	
361	Data_Sheet_1.PDF. 2020 ,	
360	Mitochondrial Dysfunction in Rabies Virus-Infected Human and Canine Brains 2022, 1	
359	Structural basis of protein substrate processing by human mitochondrial high-temperature requirement A2 protease 2022 , 119, e2203172119	0
358	Rhein Ameliorates Cognitive Impairment in an APP/PS1 Transgenic Mouse Model of Alzheimer's Disease by Relieving Oxidative Stress through Activating the SIRT1/PGC-1 Pathway 2022 , 2022, 2524832	1
357	New Insights of Early Brain Injury after Subarachnoid Hemorrhage: A Focus on the Caspase Family 2022 ,	
356	Case Report: Homozygous DNAJC3 Mutation Causes Monogenic Diabetes Mellitus Associated With Pancreatic Atrophy. 2021 , 12, 742278	1
355	The Aging Brain. 2022 , 110-132	
354	Mitochondrial Dysfunction in Aging and Neurodegeneration. 2022, 253-278	
353	Retinitis Pigmentosa: Progress in Molecular Pathology and Biotherapeutical Strategies 2022 , 23,	2
352	Integrating Lipidomics and Transcriptomics Reveals the Crosstalk Between Oxidative Stress and Neuroinflammation in Central Nervous System Demyelination 2022 , 14, 870957	1
351	Strategies for Biomaterial-Based Spinal Cord Injury Repair via the TLR4-NF- B Signaling Pathway. 2022 , 9,	0
350	Fluoride Induced Neurobehavioral Impairments in Experimental Animals: a Brief Review 2022,	0
349	Oxime derivative TFOBO promotes cell death by modulating reactive oxygen species and regulating NADPH oxidase activity in myeloid leukemia 2022 , 12, 7519	
348	Pharmacological significance of MitoQ in ameliorating mitochondria-related diseases. 2022 , 100037	1
347	Lack of the immune adaptor molecule SARM1 accelerates disease in prion infected mice and is associated with increased mitochondrial respiration and decreased expression of NRF2 2022 , 17, e0267720	0
346	The role of mitochondrial dysfunction in Alzheimer's disease pathogenesis 2022,	1

345	Effects of acute and chronic oxidative stress on the blood-brain barrier in 2D and 3D in vitro models 2022 , 19, 33	0
344	Mechanisms of Mitochondrial Malfunction in Alzheimer Disease: New Therapeutic Hope. 2022 , 2022, 1-28	7
343	Synthesis and biological evaluation of scutellarein derivatives as neuroprotective agents via activating Nrf2/HO-1 pathway 2022 , 105207	0
342	Contribution of Mendelian disorders in a population-based pediatric neurodegeneration cohort 2022 ,	
341	, a key regulator of ageing and age-related neurodegenerative diseases 2022 , 1-26	1
340	Aloe-Emodin Induces Mitochondrial Dysfunction and Pyroptosis by Activation of the Caspase-9/3/Gasdermin E Axis in HeLa Cells. 2022 , 13,	O
339	Investigating the Role of Spermidine in a Model System of Alzheimer Disease Using Correlative Microscopy and Super-resolution Techniques. 2022 , 10,	1
338	Association between Frailty and Cognitive Impairment in Older Adults. 2022 , 12, 4592-4598	
337	Automated Quantification and Network Analysis of Redox Dynamics in Neuronal Mitochondria. 2022 , 261-274	
336	Direct toxicity of environmentally persistent free radicals to nematode Caenorhabditis elegans after excluding the concomitant chemicals. 2022 , 156226	O
335	Effects of Exercise Training during Advanced Maternal Age on the Cognitive Function of Offspring. 2022 , 23, 5517	0
334	Mechanisms and mathematical modelling of ROS production by the mitochondrial electron transport chain.	2
333	Traditional Siddha Approach to Treatment of Cognitive Impairment in Menopause.	
332	Cerebral Oxidative Stress in Early Alzheimer® Disease Evaluated by 64Cu-ATSM PET/MRI: A Preliminary Study. 2022 , 11, 1022	1
331	Synaptic and Extrasynaptic Mitochondria. 2022 , 1-21	
330	Protection of the PC12 Cells by Nesfatin-1 Against Methamphetamine-Induced Neurotoxicity. 2022 , 28,	
329	Alterations of Mitochondrial Network by Cigarette Smoking and E-Cigarette Vaping. 2022, 11, 1688	0
328	Association of DNA Methylation of the NLRP3 Gene with Changes in Cortical Thickness in Major Depressive Disorder. 2022 , 23, 5768	

327	Silibinin Protects against H2O2-Induced Oxidative Damage in SH-SY5Y Cells by Improving Mitochondrial Function. 2022 , 11, 1101	О
326	Polyamines shift expression of macrophage L-arginine metabolism related-genes during Leishmania amazonensis infection.	
325	Endolysosome Iron Chelation Inhibits HIV-1 Protein-Induced Endolysosome De-Acidification-Induced Increases in Mitochondrial Fragmentation, Mitophagy, and Cell Death. 2022 , 11, 1811	O
324	Brain-targeted heptapeptide-loaded exosomes attenuated ischemialleperfusion injury by promoting the transfer of healthy mitochondria from astrocytes to neurons. 2022 , 20,	2
323	Tea Polyphenols Improve Down-Regulation of Mitochondrial Functional Gene Expression Induced by Bisphenol A in Zebrafish Ovaries. 2022 , 9,	
322	Water Promoted One Pot Synthesis of Sesamol Derivatives as Potent Antioxidants: DFT, Molecular Docking, SAR and Single Crystal Studies. 1-14	O
321	Potential anti-Parkinsonian's effect of S -(+)-linalool from Cinnamomum osmophloeum ct. linalool leaves are associated with mitochondrial regulation via gas-1, nuo-1, and mev-1 in Caenorhabditis elegans.	
320	Oxidative stress, autophagy, and apoptosis induced by doxycycline in loach fin cells in vitro. 2022 , 839, 156379	o
319	Metal D rganic Frameworks as Sensors of Biomolecules. 1-31	О
318	Lutidine Derivatives for Live-Cell Imaging of Mitochondria and Endoplasmic Reticulum.	
318	Lutidine Derivatives for Live-Cell Imaging of Mitochondria and Endoplasmic Reticulum. Application of Fluorescent Probes in Reactive Oxygen Species Disease Model. 1-36	2
		2 O
317	Application of Fluorescent Probes in Reactive Oxygen Species Disease Model. 1-36 Design, Synthesis, and Biological Evaluation of Novel Evodiamine Derivatives as Potential	
317	Application of Fluorescent Probes in Reactive Oxygen Species Disease Model. 1-36 Design, Synthesis, and Biological Evaluation of Novel Evodiamine Derivatives as Potential Antihepatocellular Carcinoma Agents. 2022, 65, 7975-7992 Astragaloside A Protects Against Photoreceptor Degeneration in Part Through Suppressing Oxidative Stress and DNA Damage-Induced Necroptosis and Inflammation in the Retina. Volume	О
317 316 315	Application of Fluorescent Probes in Reactive Oxygen Species Disease Model. 1-36 Design, Synthesis, and Biological Evaluation of Novel Evodiamine Derivatives as Potential Antihepatocellular Carcinoma Agents. 2022, 65, 7975-7992 Astragaloside A Protects Against Photoreceptor Degeneration in Part Through Suppressing Oxidative Stress and DNA Damage-Induced Necroptosis and Inflammation in the Retina. Volume 15, 2995-3020 Anthocyanins Found in Pinot Noir Waste Induce Target Genes Related to the Nrf2 Signalling in	0
317 316 315 314	Application of Fluorescent Probes in Reactive Oxygen Species Disease Model. 1-36 Design, Synthesis, and Biological Evaluation of Novel Evodiamine Derivatives as Potential Antihepatocellular Carcinoma Agents. 2022, 65, 7975-7992 Astragaloside A Protects Against Photoreceptor Degeneration in Part Through Suppressing Oxidative Stress and DNA Damage-Induced Necroptosis and Inflammation in the Retina. Volume 15, 2995-3020 Anthocyanins Found in Pinot Noir Waste Induce Target Genes Related to the Nrf2 Signalling in Endothelial Cells. 2022, 11, 1239	0 0
317 316 315 314 313	Application of Fluorescent Probes in Reactive Oxygen Species Disease Model. 1-36 Design, Synthesis, and Biological Evaluation of Novel Evodiamine Derivatives as Potential Antihepatocellular Carcinoma Agents. 2022, 65, 7975-7992 Astragaloside A Protects Against Photoreceptor Degeneration in Part Through Suppressing Oxidative Stress and DNA Damage-Induced Necroptosis and Inflammation in the Retina. Volume 15, 2995-3020 Anthocyanins Found in Pinot Noir Waste Induce Target Genes Related to the Nrf2 Signalling in Endothelial Cells. 2022, 11, 1239 Sasa borealis Ethanol Extract Protects PC12 Neuronal Cells against Oxidative Stress. 2022, 12, 6155 Detection of Few Hydrogen Peroxide Molecules Using Self-Reporting Fluorescent Nanodiamond	0 0 1

309	PCSK9 and Other Metabolic Targets to Counteract Ischemia/Reperfusion Injury in Acute Myocardial Infarction and Visceral Vascular Surgery. 2022 , 11, 3638	O
308	Hibiscus, Rooibos, and Yerba Mate for Healthy Aging: A Review on the Attenuation of In Vitro and In Vivo Markers Related to Oxidative Stress, Glycoxidation, and Neurodegeneration. 2022 , 11, 1676	O
307	Catalpol Ameliorates Neurotoxicity in N2a/APP695swe Cells and APP/PS1 Transgenic Mice.	
306	Upregulation of PGC-1fAttenuates Oxygen-Glucose Deprivation-Induced Hippocampal Neuronal Injury. 2022 , 2022, 1-10	O
305	Cultured dissociated primary dorsal root ganglion neurons from adult horses enable study of axonal transport.	1
304	Polyphenolic Glycosides from the Fruits Extract of Lycium ruthenicum Murr and Their Monoamine Oxidase B Inhibitory and Neuroprotective Activities.	O
303	Detailed insight into the pathophysiology and the behavioral complications associated with the Parkinson's disease and its medications. 2022 , 8,	
302	Therapeutic nanotechnologies for Alzheimer disease: a critical analysis of recent trends and findings. 2022 , 114397	1
301	Integration of Adenylate Kinase 1 with Its Peptide Conformational Imprint. 2022, 23, 6521	
300	Characterization of Early Alzheimer Disease-Like Pathological Alterations in Non-Human Primates with Aging: A Pilot Study. 2022 , 1-14	O
299	cep-1 mediated the mitohormesis effect of Shengmai formula in regulating Caenorhabditis elegans lifespan. 2022 , 152, 113246	O
298	Neural stem cell secretome exerts a protective effect on damaged neuron mitochondria in Parkinson's disease model. 2022 , 1790, 147978	
297	Oxidative Stress, ROS Generation, and Associated Molecular Alterations in High Altitude Hypoxia. 2022 , 71-84	
296	Mitophagy Impairments as Culprit of Alzheimer⊞ Disease. 2022 , 115-143	
295	Monitoring Mitochondrial Respiration in Mouse Cerebellar Granule Neurons. 2022, 1-15	
294	Redox Proteomics Combined with Proximity Labeling Enables Monitoring of Localized Cysteine Oxidation in Cells.	
293	Brain Mitochondrial Dysfunction: A Possible Mechanism Links Early Life Anxiety to Alzheimer Disease in Later Life. 2022 , 13, 1127	1
292	A new mitochondrial probe combining pyrene and a triphenylphosphonium salt for cellular oxygen and free radical detection via fluorescence lifetime measurements. 1-15	O

291	Current Status of Our Understanding for Brain Integrated Functions and its Energetics.	О
290	Mitochondria-targeted senotherapeutic interventions.	2
289	Visualization of Mitochondria During Embryogenesis in Zebrafish by Aggregation-Induced Emission Molecules.	O
288	Tobacco smoke exposure and mitochondrial DNA copy number on neurobehavioural performance: A community study.	
287	Calcium Ions Signaling: Targets for Attack and Utilization by Viruses. 13,	0
286	Hallmarks and Molecular Tools for the Study of Mitophagy in Parkinson Disease. 2022 , 11, 2097	1
285	A partial reduction of VDAC1 enhances mitophagy, autophagy, synaptic activities in a transgenic Tau mouse model.	1
284	Ketone Body Improves Neurological Outcomes after Cardiac Arrest by Inhibiting Mitochondrial Fission in Rats. 2022 , 2022, 1-13	
283	Mitochondrial targeting of potent nanoparticulated drugs in combating diseases. 088532822211116	
282	From Rate-Limiting Enzyme to Therapeutic Target: The Promise of NAMPT in Neurodegenerative Diseases. 13,	
281	Ovarian steroid hormones: A long overlooked but critical contributor to brain aging and Alzheimer disease. 14,	1
280	Exonic deletions in IMMP2L in schizophrenia with enhanced glycation stress subtype. 2022 , 17, e0270506	
279	Hydrogen Sulfide Increases the Analgesic Effects of μ́- and Expioid Receptors during Neuropathic Pain: Pathways Implicated. 2022 , 11, 1321	O
278	The interplay of epilepsy with impaired mitophagy and autophagy linked dementia (MAD): A review of therapeutic approaches. 2022 ,	O
277	Mitochondria dysfunction in Charcot Marie Tooth 2B Peripheral Sensory Neuropathy. 2022, 5,	O
276	Changes in neuromuscular function in elders: Novel techniques for assessment of motor unit loss and motor unit remodeling with aging. 2022 ,	
275	Exogenous paternal mitochondria rescue hybrid incompatibility and the destiny of exogenous mitochondria. 2022 , 2, 83-88	
274	ATP fluorescent nanoprobe based on ZIF-90 and near-infrared dyes for imaging in tumor mice. 2022 , 369, 132286	O

273	Crosslink between mutations in mitochondrial genes and brain disorders: implications for mitochondrial-targeted therapeutic interventions. 2023 , 18, 94	2
272	Hippocampal Astrogliotic Reduction in Scopolamine Hydrobromide-Induced Alzheimer Type Cognitive Dysfunction Wistar Rats Following Administration of Aqueous Extract of Telfairia Occidentalis (pumpkin) seeds 2022 , 36, 241-244	
271	Mechanistic multiscale modelling of energy metabolism in human astrocytes indicates morphological effects in Alzheimer⊞ Disease.	
270	Polymerogenic neuroserpin causes mitochondrial alterations and activates NFB but not the UPR in a neuronal model of neurodegeneration FENIB. 2022 , 79,	1
269	Phenothiazine and triphenylamine-based fluorescent Schiff bases for the dual application of white light generation and H2O2 sensing. 2022 , 46, 15666-15677	O
268	MTERF3 contributes to MPP+-induced mitochondrial dysfunction in SH-SY5Y cells. 2022 ,	
267	Efficacy of Phytochemicals and Natural Products in the Management/Treatment of Neurodegenerative Diseases. 2022 , 178-210	
266	The Effect of Sulforaphane on Perinatal Hypoxic-Ischemic Brain Injury in Rats. 401-411	
265	Targeting Oxidative Stress Mechanisms to Treat Alzheimer and Parkinson Disease: A Critical Review. 2022 , 2022, 1-9	6
264	Oxidative Stress: Glutathione and Its Potential to Protect Methionine-35 of AIPeptide from Oxidation. 2022 , 7, 27052-27061	1
263	Microglial Activation and Oxidative Stress in PM2.5-Induced Neurodegenerative Disorders. 2022 , 11, 1482	1
262	Protective Role of Mitochondrial Uncoupling Proteins against Age-Related Oxidative Stress in Type 2 Diabetes Mellitus. 2022 , 11, 1473	2
261	[18F]ROStrace detects oxidative stress in vivo and predicts progression of Alzheimer disease pathology in APP/PS1 mice. 2022 , 12,	О
260	Neurodegenerative Diseases Involve Multifactorial Interplay of Genetics and Environmental Factors. 2022 , 1-12	
259	Therapeutic approach with commercial supplements for pantothenate kinase-associated neurodegeneration with residual PANK2 expression levels. 2022 , 17,	1
258	Neospora caninum infection induced mitochondrial dysfunction in caprine endometrial epithelial cells via downregulating SIRT1. 2022 , 15,	O
257	Reduced VDAC1, Maintained Mitochondrial Dynamics and Enhanced Mitochondrial Biogenesis in a Transgenic Tau Mouse Model of Alzheimer Disease. 2022 , 23, 8561	0
256	Riboflavin ameliorates mitochondrial dysfunction via the AMPK/PGC1#HO-1 signaling pathway and attenuates carbon tetrachloride-induced liver fibrosis in rats. 2022 , 24,	

255	Branched Chain Amino Acids Promote ATP Production Via Translocation of Glucose Transporters. 2022 , 63, 7	1
254	Simultaneous Monitoring of the Adenosine Triphosphate Levels in the Cytoplasm and Nucleus of a Single Cell with a Single Nanowire-Based Fluorescent Biosensor.	2
253	Editorial: Mitochondria as a hub in cellular signaling. 10,	
252	Physiological and Pathological Functions of Neuronal Hemoglobin: A Key Underappreciated Protein in Parkinson Disease. 2022 , 23, 9088	
251	Carnosol Reduced Pathogenic Protein Aggregation and Cognitive Impairment in Neurodegenerative Diseases Models via Improving Proteostasis and Ameliorating Mitochondrial Disorders.	
250	Functional Medicine Approaches to Neurodegeneration. 2022 , 33, 733-743	
249	Role of Reactive Oxygen Species in Neurodegenerative Diseases. 2022 , 59-70	
248	Is lithium neuroprotective? An updated mechanistic illustrated review.	1
247	The association between language-based task-functional magnetic resonance imaging hemodynamics and baseline GABA+ and glutamate@lutamine measured in pre-supplementary motor area: A pilot study in an aging model. 13,	
246	Redox Active Lipoic Acid Differentially Improves Mitochondrial Dysfunction in a Cellular Model of Alzheimer and Its Control Cells. 2022 , 23, 9186	O
245	Advances in mechanistic study of control of oxidative stress injury through modulating HDAC6 activity.	
244	Characterization of gene expression profiles in the mouse brain after 35 days of spaceflight mission. 2022 , 8,	O
243	Small-Molecule Fluorescent Probes for Detecting Several Abnormally Expressed Substances in Tumors. 2022 , 13, 1328	0
242	Quercetin Increases Mitochondrial Biogenesis and Reduces Free Radicals in Neuronal SH-SY5Y Cells. 2022 , 14, 3310	2
241	Simultaneous Sensing of H2S and ATP with a Two-Photon Fluorescent Probe in Alzheimer Disease: toward Understanding Why H2S Regulates Glutamate-Induced ATP Dysregulation. 2022 , 94, 11573-11581	O
240	Oxidative Stress as a Potential Mechanism Underlying Membrane Hyperexcitability in Neurodegenerative Diseases. 2022 , 11, 1511	2
239	Boronates as Hydrogen Peroxide R eactive Warheads in the Design of Detection Probes, Prodrugs, and Nanomedicines Used in Tumors and Other Diseases.	
238	Drinking hydrogen water improves photoreceptor structure and function in retinal degeneration 6 mice. 2022 , 12,	

237	Ethnopharmacology, Phytochemistry, and Pharmacology of Ashtanga Ghrita: an Ayurvedic Polyherbal Formulation for Neurological Disorders.	О
236	Exposure to Benzo(a)pyrene damages mitochondrial function via suppressing mitochondrial melatonin receptors in ovarian corpus luteum during early pregnancy. 2022 , 365, 110085	
235	A tRNA-derived fragment of ginseng protects heart against ischemia/reperfusion injury via targeting the lncRNA MIAT/VEGFA pathway. 2022 , 29, 672-688	O
234	Anti-oxidative effects of functional food, Lignosus rhinocerus sclerotia (TM02 ^[] cultivar) using a type 2 diabetes mellitus rodent model. 2022 , 49, 101944	O
233	Protective and anti-oxidative effects of curcumin and resveratrol on AEbligomer-induced damage in the SH-SY5Y cell line. 2022 , 441, 120356	1
232	Caloric restriction: Anti-inflammatory and antioxidant mechanisms against epileptic seizures. 2022 , 186, 107012	O
231	Polygonatum sibiricum polysaccharide extract relieves FB1-induced neurotoxicity by reducing oxidative stress and mitochondrial damage in Caenorhabditis elegans. 2022 , 49, 101939	1
230	Stability of valeriana-type iridoid glycosides from rhizomes of Nardostachys jatamansi and their protection against H2O2-induced oxidative stress in SH-SY5Y cells. 2022 , 203, 113375	О
229	Mechanistic considerations and biomarkers level in nickel-induced neurodegenerative diseases: An updated systematic review. 2022 , 13, 136-146	1
228	Protective effect of low-dose radiation on doxorubicin-induced brain injury in mice. 2022 , 729, 109390	О
227	Dietary restriction and mTOR and IIS inhibition: the potential to antiaging drug approach. 2022, 173-190	O
226	Mechanochemical synthesis of an AIE-TICT-ESIPT active orange-emissive chemodosimeter for selective detection of hydrogen peroxide in aqueous media and living cells, and solid-phase quantitation using a smartphone.	O
225	Upconversion Luminescent Sensor for Endogenous H2o2 Detection in Cells Based on the Inner Filter Effect of Coated Silver Layer.	О
224	Mitochondria are an important target of photobiomodulation in cardiomyocytes. 2022 , 46, 2637-2644	O
223	Mitochondrial Dysregulation and the Influence in Neurodegenerative Diseases. 2022, 109-118	0
222	High-throughput sequencing technologies in metagenomics. 2023, 685-708	O
221	Kaempferol-3-O-glucoside Isolated from Lonicera japonica Protects Neuronal HT22 Cells against Glutamate-Induced Oxidative Stress. 2022 , 30, 278-286	0
220	Multiple Roles of SIRT2 in Regulating Physiological and Pathological Signal Transduction. 2022 , 2022, 1-14	1

219	Protective Effects of Pioglitazone on Cognitive Impairment and the Underlying Mechanisms: A Review of Literature. Volume 16, 2919-2931	2
218	Reduced insulin signalling in neurons induces sex-specific health benefits.	O
217	Compounds purified from edible fungi fight against chronic inflammation through oxidative stress regulation. 13,	1
216	Detection of Ethylene with Defined Metal Complexes: Strategies and Recent Advances.	O
215	Structure Ectivity relationship of a housefly neuroprotective dodecapeptide that activates the nuclear factor erythroid 2-related factor 2 pathway.	O
214	Regulation of mitochondrial dysfunction induced cell apoptosis is a potential therapeutic strategy for herbal medicine to treat neurodegenerative diseases. 13,	2
213	Inhibition of the integrated stress response reverses oxidative stress damage-induced postoperative cognitive dysfunction. 16,	1
212	Deep Sc-RNA sequencing decoding the molecular dynamic architecture of the human retina.	O
211	Therapeutic potential of dietary flavonoid hyperoside against non-communicable diseases: targeting underlying properties of diseases. 1-31	О
210	Mitochondrial Dysfunction in Spinal Muscular Atrophy. 2022 , 23, 10878	2
209	Radiolabeled Aminopyrazoles as Novel Isoform Selective Probes for pJNK3 Quantification.	O
208	Reversibly Migratable Fluorescent Probe for Precise and Dynamic Evaluation of Cell Mitochondrial Membrane Potentials. 2022 , 12, 798	1
207	The Mitochondrial Unfolded Protein Response: A Novel Protective Pathway Targeting Cardiomyocytes. 2022 , 2022, 1-19	0
206	Decreased anterograde transport coupled with sustained retrograde transport contributes to reduced axonal mitochondrial density in tauopathy neurons. 15,	О
205	Omarigliptin Mitigates 6-Hydroxydopamine- or Rotenone-Induced Oxidative Toxicity in PC12 Cells by Antioxidant, Anti-Inflammatory, and Anti-Apoptotic Actions. 2022 , 11, 1940	О
204	Current Understanding of the Neural Stem Cell Niches. 2022 , 11, 3002	O
203	Cdk5 Promotes Mitochondrial Fission via Drp1 Phosphorylation at S616 in Chronic Ethanol Exposure[hduced Cognitive Impairment.	О
202	Mitochondrial protein dysfunction in pathogenesis of neurological diseases. 15,	2

201	Engineered Extracellular Vesicles with SHP2 High Expression Promote Mitophagy for Alzheimer's Disease Treatment. 2207107	1
2 00	Mitochondrial dysfunction in microglia: a novel perspective for pathogenesis of Alzheimer disease. 2022 , 19,	O
199	Pulmonary hazard identifications of Graphene family nanomaterials: Adverse outcome pathways framework based on toxicity mechanisms. 2022 , 159329	0
198	A dual-site multifunctional fluorescent probe for selective detection of endogenous H2O2 and SO2 derivatives based on ICT process and its bioimaging application. 2022 , 121955	1
197	Tetramethylpyrazine: A review of the most recent research. 2022 , 5, 100171	0
196	Dentritic, Spinal and Mitochondrial Alternations in Alzheimer Desease. A Preliminary Descriptive Study. 2020 , 9, 43-49	O
195	Synaptic and Extrasynaptic Mitochondria. 2022 , 2571-2590	О
194	L- and T-type Ca2+ channels dichotomously contribute to retinal ganglion cell injury in experimental glaucoma. 2022 , 0	O
193	Neuroprotective effects of a new triterpenoid from edible mushroom on oxidative stress and apoptosis through the BDNF/TrkB/ERK/CREB and Nrf2 signaling pathway in vitro and in vivo.	1
192	Aryl-Phenanthro[9,10-d]imidazole: A Versatile Scaffold for the Design of Optical-Based Sensors. 2022 , 7, 2865-2919	O
191	Chronic exercise remodels the lysine acetylome in the mouse hippocampus. 15,	O
190	The Complex Interplay between Mitochondria, ROS and Entire Cellular Metabolism. 2022, 11, 1995	6
189	Neuroprotective effect of phospholipase A2 from Malaysian Naja sumatrana venom against H2O2-induced cell damage and apoptosis. 13,	O
188	MiR-29c Inhibits TNF-Anduced ROS Production and Apoptosis in Mouse Hippocampal HT22 Cell Line.	O
187	The neuroprotective effects of fisetin, a natural flavonoid in neurodegenerative diseases: Focus on the role of oxidative stress. 13,	4
186	Mitochondrial dynamics involves molecular and mechanical events in motility, fusion and fission. 10,	1
185	Activity-Based Sensing for Chemistry-Enabled Biology: Illuminating Principles, Probes, and Prospects for Boronate Reagents for Studying Hydrogen Peroxide.	1
184	Genomic Insights into the Radiation-Resistant Capability of Sphingomonas qomolangmaensis S5-59T and Sphingomonas glaciei S8-45T, Two Novel Bacteria from the North Slope of Mount Everest. 2022 , 10, 2037	O

183	Neuron Protection by EDTA May Explain the Successful Outcomes of Toxic Metal Chelation Therapy in Neurodegenerative Diseases. 2022 , 10, 2476	0
182	Association between MnSOD Activity and Cognitive Impairment in Unmedicated First-Episode Schizophrenia: Regulated by MnSOD Ala-9Val Gene Polymorphism. 2022 , 11, 1981	O
181	Therapeutic Antiaging Strategies. 2022 , 10, 2515	O
180	A Dual-Channel Fluorescent Nanoprobe for Sequential Detection of ATP and Peroxynitrite to Accurately Distinguish between Normal Cells and Cancer Cells. 2022 , 94, 14257-14264	Ο
179	In Vitro and In Vivo Neuroprotective Effects of Sarcosine. 2022 , 2022, 1-11	O
178	Flow Synthesis of Nature-Inspired Mitochondria-Targeted Phenolic Derivatives as Potential Neuroprotective Agents. 2022 , 11, 2160	O
177	Associations of mitochondrial DNA copy number with incident risks of gastrointestinal cancers: A prospective casedohort study.	0
176	Intense long-term training impairs brain health compared with moderate exercise: Experimental evidence and mechanisms.	O
175	Boronates as hydrogen peroxidelleactive warheads in the design of detection probes, prodrugs, and nanomedicines used in tumors and other diseases.	1
174	Prohibitins in neurodegeneration and mitochondrial homeostasis. 3,	O
173	Antiglycoxidative properties of amantadine la systematic review and comprehensive in vitro study. 2023 , 38, 138-155	0
172	PINK1-PRKN mediated mitophagy: differences between in vitro and in vivo models. 1-10	1
171	Upconversion luminescent sensor for endogenous H2O2 detection in cells based on the inner filter effect of coated silver layer. 2022 , 132936	0
170	Autophagy and bioenergetics in aging. 2023 , 107-145	O
169	Silymarin as a vitagene modulator: effects on mitochondria integrity in stress conditions. 2023, 535-559	Ο
168	Phytochemicals targeting nitric oxide signaling in neurodegenerative diseases. 2023 , 130, 1-11	1
167	Ferroptosis contributes to nickel-induced developmental neurotoxicity in zebrafish. 2023, 858, 160078	0
166	Branched-Chain Amino Acids Are Linked with Alzheimer Disease-Related Pathology and Cognitive Deficits. 2022 , 11, 3523	1

165	Design, Synthesis, and Biological Evaluation of Novel Chromanone Derivatives as Multifunctional Agents for the Treatment of Alzheimer Disease.	О
164	Mitochondrial dysfunction compromises ciliary homeostasis in astrocytes. 2023 , 222,	1
163	Methylglyoxal in the Brain: From Glycolytic Metabolite to Signalling Molecule. 2022, 27, 7905	1
162	Nanoparticles, a Double-Edged Sword with Oxidant as Well as Antioxidant Properties A Review. 2022 , 2, 591-604	1
161	Inhibition of Cellular Senescence Hallmarks by Mitochondrial Transplantation in Senescence-induced ARPE-19 cells. 2022 ,	0
160	Periventricular diffusion gradient of normal-appearing white matter and its transcriptional signatures in normal aging and multiple neurological diseases.	O
159	Mitochondrial dysfunctions, oxidative stress and neuroinflammation as therapeutic targets for neurodegenerative diseases: An update on current advances and impediments. 2022 , 104961	3
158	Thioredoxin deficiency increases oxidative stress and causes bilateral symmetrical degeneration in rat midbrain. 2022 , 175, 105921	Ο
157	Neuroprotective effects of curculigoside against Alzheimer disease via regulation oxidative stress mediated mitochondrial dysfunction in L-Glu-exposed HT22 cells and APP/PS1 mice. 2023 , 12, 1265-1278	2
156	Opposite Roles of Co-enzyme Q10 and Formaldehyde in Neurodegenerative Diseases. 2022 , 37, 1533317527	211⁄432
155	HSF1 and Its Role in Huntington⊠ Disease Pathology. 2022 ,	
	risi i and its Note in Fiditalingtonia bisease i atmotogy. 2022 ,	О
154	The effect of aluminum on mitochondrial dysfunctions. 2023 , 205-234	0
154		
	The effect of aluminum on mitochondrial dysfunctions. 2023 , 205-234	O
153	The effect of aluminum on mitochondrial dysfunctions. 2023, 205-234 Small-molecule fluorogenic probes for mitochondrial nanoscale imaging.	0
153 152	The effect of aluminum on mitochondrial dysfunctions. 2023, 205-234 Small-molecule fluorogenic probes for mitochondrial nanoscale imaging. PINK1/Parkin-mediated mitophagy in neurodegenerative diseases. 2023, 84, 101817 Luminescence turn-off and turn-on interaction mechanism of optical probe with hydrogen	0 1 2
153 152 151	The effect of aluminum on mitochondrial dysfunctions. 2023, 205-234 Small-molecule fluorogenic probes for mitochondrial nanoscale imaging. PINK1/Parkin-mediated mitophagy in neurodegenerative diseases. 2023, 84, 101817 Luminescence turn-off and turn-on interaction mechanism of optical probe with hydrogen peroxide. 2023, 295, 127178 Neuronal deletion of MnSOD in mice leads to demyelination, inflammation and progressive	0 1 2

147	New Insights into the Gut Microbiota in Neurodegenerative Diseases from the Perspective of Redox Homeostasis. 2022 , 11, 2287	1
146	Walnut Oligopeptide Delayed Improved Aging-Related Learning and Memory Impairment in SAMP8 Mice. 2022 , 14, 5059	1
145	Mechanisms Underlying Brain Aging Under Normal and Pathological Conditions.	1
144	A Novel Aryl Hydrocarbon Receptor Antagonist HBU651 Ameliorates Peripheral and Hypothalamic Inflammation in High-Fat Diet-Induced Obese Mice. 2022 , 23, 14871	O
143	Mitochondrial dysfunction of induced pluripotent stem cells-based neurodegenerative disease modeling and therapeutic strategy. 10,	0
142	Treatment with the Ferroptosis Inhibitor Ferrostatin-1 Attenuates Noise-Induced Hearing Loss by Suppressing Ferroptosis and Apoptosis. 2022 , 2022, 1-19	O
141	Stepwise Coordination-Driven Metal B henolic Nanoparticle as a Neuroprotection Enhancer for Alzheimer Disease Therapy.	0
140	Magnesium and the Brain: A Focus on Neuroinflammation and Neurodegeneration. 2023, 24, 223	4
139	Microglial Pten safeguards postnatal integrity of the cortex and sociability. 13,	0
138	Patterns of gene expression and allele-specific expression vary among macular tissues and clinical stages of Age-related Macular Degeneration.	O
137	Ginsenoside Rg1 ameliorates Alzheimer's disease pathology via restoring mitophagy. 2022,	0
136	Low Serum Vitamin D Status Is Associated with Incident Alzheimer Dementia in the Oldest Old. 2023 , 15, 61	1
135	IL-4 induces reparative phenotype of RPE cells and protects against retinal neurodegeneration via Nrf2 activation. 2022 , 13,	O
134	Mitolysosome exocytosis: a novel mitochondrial quality control pathway linked with parkinsonism-like symptoms. 2022 , 50, 1773-1783	O
133	Insights into Manganese Superoxide Dismutase and Human Diseases. 2022 , 23, 15893	1
132	Blood B rain Barrier Disruption and Its Involvement in Neurodevelopmental and Neurodegenerative Disorders. 2022 , 23, 15271	1
131	Magnesium hexacyanoferrate nanocatalysts attenuate chemodrug-induced cardiotoxicity through an anti-apoptosis mechanism driven by modulation of ferrous iron. 2022 , 13,	0
130	Antioxidant Intervention to Improve Cognition in the Aging Brain: The Example of Hydroxytyrosol and Resveratrol. 2022 , 23, 15674	1

129	Advances in mechanistic study of control of oxidative stress injury through modulating HDAC6 activity.	O
128	Role of Estrogen-Related Receptor and PGC-1ÆSIRT3 Pathway in Early Brain Injury After Subarachnoid Hemorrhage.	O
127	CENP-F-dependent DRP1 function regulates APC/C activity during oocyte meiosis I. 2022, 13,	O
126	Effects of Exercise Training on Neurotrophic Factors and Blood B rain Barrier Permeability in Young-Old and Old-Old Women. 2022 , 19, 16896	O
125	Sex and menopause impact 31P-Magnetic Resonance Spectroscopy brain mitochondrial function in association with 11C-PiB PET amyloid-beta load. 2022 , 12,	O
124	Perturbation of the mitochondrial import machinery by aggregation prone Tau affects organelle morphology and reduces neuronal complexity.	O
123	Exercise and mitochondrial remodeling to prevent age-related neurodegeneration.	O
122	Identification of mitophagy-associated proteins (MAPs) profile as potential plasma biomarkers of idiopathic Parkinson disease.	1
121	Nrf2 Pathway in Huntington Disease (HD): What Is Its Role?. 2022 , 23, 15272	3
120	Near infrared band responsive ROS regulator selectively inhibits breast cancer cells by programming combination phototherapy.	O
119	Zebrafish: A Model Deciphering the Impact of Flavonoids on Neurodegenerative Disorders. 2023 , 12, 252	0
118	The joint effects of nanoplastics and TBBPA on neurodevelopmental toxicity in Caenorhabditis elegans.	O
117	C/EBP [AEP is age-dependently activated in Parkinson® disease and mediates Bynuclein in the gut and brain. 2023 , 9,	O
116	Confinement of Triple-Enzyme-Involved Antioxidant Cascade in Two-Dimensional Nanostructure. 565-573	O
115	Study of the mechanism underlying the role of PINK1/Parkin in the formic acid-induced autophagy of PC12 cells.	0
114	Functional crosstalk between the TIM22 complex and YME1 machinery maintains mitochondrial proteostasis and integrity.	O
113	Cognitive impairment in patients with heart failure: molecular mechanism and therapy.	O
112	Isolation and Identification of Novel Antioxidant Polyketides from an Endophytic Fungus Ophiobolus cirsii LZU-1509.	O

111	Alpinetin inhibits neuroinflammation and neuronal apoptosis via targeting the JAK2/STAT3 signaling pathway in spinal cord injury.	0
110	Slingshot homolog-1 amplifies mitochondrial abnormalities by distinctly impairing health and clearance of mitochondria.	О
109	Protective Effects of Hexarelin and JMV2894 in a Human Neuroblastoma Cell Line Expressing the SOD1-G93A Mutated Protein. 2023 , 24, 993	О
108	The role of altered protein acetylation in neurodegenerative disease. 14,	O
107	Non-Enzymatic Antioxidants against Alzheimer Disease: Prevention, Diagnosis and Therapy. 2023 , 12, 180	1
106	The role of STING signaling in central nervous system infection and neuroinflammatory disease.	1
105	Bacterial muropeptides promote OXPHOS and suppress mitochondrial stress in normal and human mitochondrial disease models.	О
104	Navitoclax improves acute-on-chronic liver failure by eliminating senescent cells in mice.	O
103	Oxidative stress in multiple sclerosis Emerging imaging techniques. 13,	О
102	Editorial: Redox regulation and signaling in neurodegenerative diseases. 15,	О
102	Editorial: Redox regulation and signaling in neurodegenerative diseases. 15, Understanding the Molecular Progression of Chronic Traumatic Encephalopathy in Traumatic Brain Injury, Aging and Neurodegenerative Disease. 2023, 24, 1847	0
	Understanding the Molecular Progression of Chronic Traumatic Encephalopathy in Traumatic Brain	
101	Understanding the Molecular Progression of Chronic Traumatic Encephalopathy in Traumatic Brain Injury, Aging and Neurodegenerative Disease. 2023 , 24, 1847 Si-rhodamine fluorescent probe for monitoring of hypochlorous acid in the brains of mice afflicted	0
101	Understanding the Molecular Progression of Chronic Traumatic Encephalopathy in Traumatic Brain Injury, Aging and Neurodegenerative Disease. 2023, 24, 1847 Si-rhodamine fluorescent probe for monitoring of hypochlorous acid in the brains of mice afflicted with neuroinflammation. Near-Infrared Fluorescent Nanoprobes for Adenosine Triphosphate-Guided Imaging in Cancer and	0
101	Understanding the Molecular Progression of Chronic Traumatic Encephalopathy in Traumatic Brain Injury, Aging and Neurodegenerative Disease. 2023, 24, 1847 Si-rhodamine fluorescent probe for monitoring of hypochlorous acid in the brains of mice afflicted with neuroinflammation. Near-Infrared Fluorescent Nanoprobes for Adenosine Triphosphate-Guided Imaging in Cancer and Fatty Liver Mice.	0 0
101 100 99 98	Understanding the Molecular Progression of Chronic Traumatic Encephalopathy in Traumatic Brain Injury, Aging and Neurodegenerative Disease. 2023, 24, 1847 Si-rhodamine fluorescent probe for monitoring of hypochlorous acid in the brains of mice afflicted with neuroinflammation. Near-Infrared Fluorescent Nanoprobes for Adenosine Triphosphate-Guided Imaging in Cancer and Fatty Liver Mice. Mitochondrial-mimicking nanozyme-catalyzed cascade reactions for aging attenuation. 2023, 48, 101757 The Influence of Solvents and Colloidal Particles on the Efficiency of Molecular Antioxidants. 2023,	0 0
101 100 99 98 97	Understanding the Molecular Progression of Chronic Traumatic Encephalopathy in Traumatic Brain Injury, Aging and Neurodegenerative Disease. 2023, 24, 1847 Si-rhodamine fluorescent probe for monitoring of hypochlorous acid in the brains of mice afflicted with neuroinflammation. Near-Infrared Fluorescent Nanoprobes for Adenosine Triphosphate-Guided Imaging in Cancer and Fatty Liver Mice. Mitochondrial-mimicking nanozyme-catalyzed cascade reactions for aging attenuation. 2023, 48, 101757 The Influence of Solvents and Colloidal Particles on the Efficiency of Molecular Antioxidants. 2023, 12, 99 Rebamipide treatment ameliorates obesity phenotype by regulation of immune cells and	0 0 0

93	The 2-Oxoglutarate Carrier Is S-Nitrosylated in the Spinal Cord of G93A Mutant hSOD1 Mice Resulting in Disruption of Mitochondrial Glutathione Transport. 2023 , 11, 61	O
92	Elucidation of chemical profiles and molecular targets of Mondia whitei leave fractions bioactive as novel therapeutics: an in vitro and in silico assay. 2022 , 20,	O
91	Combined metabolic activators improve cognitive functions in Alzheimer disease patients: a randomised, double-blinded, placebo-controlled phase-II trial. 2023 , 12,	1
90	Glutathione peroxidase-like nanozymes: Mechanism, classification, and bioapplication.	1
89	Mitochondria-derived peptide MOTS-c: effects and mechanisms related to stress, metabolism and aging. 2023 , 21,	1
88	Neuroprotective Actions of Different Exogenous Nucleotides in H2O2-Induced Cell Death in PC-12 Cells. 2023 , 28, 1226	2
87	Basic pathways and targets for anti-aging intervention. 2023 , 13-40	О
86	A FRET-based respirasome assembly screen identifies spleen tyrosine kinase as a target to improve muscle mitochondrial respiration and exercise performance in mice. 2023 , 14,	O
85	Neuroprotective role of chloroquine via modulation of autophagy and neuroinflammation in MPTP-induced Parkinson disease.	0
84	Structural Features of Small Molecule Antioxidants and Strategic Modifications to Improve Potential Bioactivity. 2023 , 28, 1057	O
83	The updated development of blood-based biomarkers for Huntington disease.	0
82	Klotho, Oxidative Stress, and Mitochondrial Damage in Kidney Disease. 2023 , 12, 239	O
81	Editorial: Metabolic signaling dysregulation and cognitive impairments in aging and Alzheimer's disease, volume II. 15,	O
80	Extracellular Vesicles from Mesenchymal Stem Cells: Towards Novel Therapeutic Strategies for Neurodegenerative Diseases. 2023 , 24, 2917	O
79	Targeting renin⊞ngiotensin system. 2023 , 107-150	O
78	3D genome-selected microRNAs to improve Alzheimer's disease prediction. 14,	O
77	From cue to meaning: The involvement of POLD1 gene in DNA replication, repair and aging. 2023 , 211, 111790	O
76	TDP-43 is a potential marker of dopaminergic neuronal damage caused by atrazine exposure. 2023 , 255, 114780	O

75	Single-Atom Nanocatalytic Therapy for Suppression of Neuroinflammation by Inducing Autophagy of Abnormal Mitochondria.	O
74	Bifunctional Single-Molecular Fluorescent Probe: Visual Detection of Mitochondrial SO2 and Membrane Potential.	O
73	Oxidative stress: A target to treat Alzheimer's disease and stroke. 2023 , 165, 105509	О
72	Profiling H2O2 from single COS-7′cells by means of scanning electrochemical microscopy. 2023 , 227, 115123	O
71	A new hydrocyanine probe for imaging reactive oxygen species in the mitochondria of live cells. 2023 , 87, 129262	O
70	Neuroprotective Effects of N-acetylserotonin and Its Derivative. 2023 , 517, 18-25	O
69	Promotion of astrocyte-neuron glutamate-glutamine shuttle by SCFA contributes to the alleviation of Alzheimer's disease. 2023 , 62, 102690	О
68	A novel NIR fluorescent probe for monitoring cysteine in mitochondria of living cells. 2023 , 16, 104765	O
67	Acetylated tau exacerbates learning and memory impairment by disturbing with mitochondrial homeostasis. 2023 , 62, 102697	0
66	NOX4 as a critical effector mediating neuroinflammatory cytokines, myeloperoxidase and osteopontin, specifically in astrocytes in the hippocampus in Parkinson's disease. 2023 , 62, 102698	0
65	Chemical diversity and biological activities of specialized metabolites from the genus Chaetomium: 2013\(\textbf{0} 022. \) 2023, 210, 113653	O
64	Transient inhibition of mitochondrial function by chrysin and apigenin prolong longevity via mitohormesis in C. elegans. 2023 , 203, 24-33	O
63	Dendrobine Alleviates Cellular Senescence and Osteoarthritis via the ROS/NF- B Axis. 2023 , 24, 2365	О
62	Analysis of Mitochondrial Dynamics in AdultDrosophilaAxons. 2023 , 2023, pdb.top107819	O
61	SAG, a sonic hedgehog signaling agonist, alleviates anxiety behavior in high-fat diet-fed mice. 2023 , 195, 25-36	0
60	Physical activity for cognitive health promotion: An overview of the underlying neurobiological mechanisms. 2023 , 86, 101868	1
59	Berberine Alleviates the Damage, Oxidative Stress and Mitochondrial Dysfunction of PC12 Cells Induced by High Glucose by Activating the KEAP1/Nrf2/ARE Pathway.	О
58	Oxidative Stress and Aging as Risk Factors for Alzheimer Disease and Parkinson Disease: The Role of the Antioxidant Melatonin. 2023 , 24, 3022	3

57	The impact of oxidative stress-induced mitochondrial dysfunction on diabetic microvascular complications. 14,	1
56	Advances in the Mechanistic Study of the Control of Oxidative Stress Injury by Modulating HDAC6 Activity. 2023 , 81, 127-139	O
55	Very early environmental enrichment protects against apoptosis and improves functional recovery from hypoxic&chemic brain injury. 15,	0
54	Atrophic astrocytes in aged marmosets present tau hyperphosphorylation, RNA oxidation, and DNA fragmentation.	O
53	Translational molecular imaging and drug development in Parkinson⊠ disease. 2023 , 18,	0
52	The multifaceted roles of natural products in mitochondrial dysfunction. 14,	O
51	Mitochondria-Targeted Antioxidants, an Innovative Class of Antioxidant Compounds for Neurodegenerative Diseases: Perspectives and Limitations. 2023 , 24, 3739	1
50	Targeting Mitochondrial Dysfunction in Neurodegenerative Diseases: Expanding the Therapeutic Approaches by Plant-Derived Natural Products. 2023 , 16, 277	O
49	4-Octyl itaconate treatment inhibits mitochondrial dysfunction and ER stress via stimulating SIRT1 expression in vitro and attenuates osteoarthritis process in murine DMM model in vivo. 2023 , 102, 105450	0
48	Effects of sex and APOE µ4 genotype on brain mitochondrial high-energy phosphates in midlife individuals at risk for Alzheimer disease: A 31Phosphorus MR spectroscopy study. 2023 , 18, e0281302	O
47	Hallmarks of neurodegenerative diseases. 2023 , 186, 693-714	1
46	Modulation of Synaptic Plasticity Genes Associated to DNA Damage in a Model of Huntington Disease.	O
45	Genetic Screen Uncovers a Dual Role for Phospholipids in Mitochondrial-Derived Compartment Biogenesis.	0
44	Signaling pathways in Parkinson disease: molecular mechanisms and therapeutic interventions. 2023 , 8,	O
43	Reduced insulin signaling in neurons induces sex-specific health benefits. 2023, 9,	0
42	Thioredoxin-1 Promotes Mitochondrial Biogenesis Through Regulating AMPK/Sirt1/PGC1日 Pathway in Alzheimer's Disease. 2023 , 15, 175909142311592	O
41	Isoform-specific effects of neuronal repression of the AMPK catalytic subunit on cognitive function in aged mice.	О
40	Effects of bisphenol A and bisphenol analogs on the nervous system. 2023 , 136, 295-304	O

39	Influence of the Mediterranean Diet on Healthy Aging. 2023, 24, 4491	O
38	Recent advances on the molecular mechanisms of exercise-induced improvements of cognitive dysfunction. 2023 , 12,	Ο
37	Intraarterial Transplantation of Mitochondria After Ischemic Stroke Reduces Cerebral Infarction.	0
36	The neuroprotective effects of targeting key factors of neuronal cell death in neurodegenerative diseases: The role of ER stress, oxidative stress, and neuroinflammation. 17,	O
35	Redox proteomics combined with proximity labeling enables monitoring of localized cysteine oxidation in cells. 2023 , 30, 321-336.e6	0
34	Spontaneous Mutation Rates and Spectra of Respiratory-Deficient Yeast. 2023 , 13, 501	Ο
33	PINK1 and Parkin Ameliorate the Loss of Motor Activity and Mitochondrial Dysfunction Induced by Peripheral Neuropathy-Associated HSPB8 Mutants in Drosophila Models. 2023 , 11, 832	0
32	Disturb mitochondrial associated proteostasis: Neurodegeneration and imperfect ageing. 11,	O
31	Assessment of mitochondrial function in neurotoxicology using alternative model organisms. 2023,	О
30	Metal-Based Nanoparticles and Their Relevant Consequences on Cytotoxicity Cascade and Induced Oxidative Stress. 2023 , 12, 703	Ο
29	Neurodegeneration, Mitochondria, and Antibiotics. 2023 , 13, 416	0
28	Alzheimer Disease and Alzheimer Disease-Related Dementias in African Americans: Focus on Caregivers. 2023 , 11, 868	O
27	Neuromodulatory effect of 4-(methylthio)butyl isothiocyanate against 3-nitropropionic acid induced oxidative impairments in human dopaminergic SH-SY5Y cells via BDNF/CREB/TrkB pathway. 2023 , 13,	O
26	Targeting Mitochondrial Sirtuins in Age-Related Neurodegenerative Diseases and Fibrosis. 2023, 0	O
25	Sirtuins at the Crossroads between Mitochondrial Quality Control and Neurodegenerative Diseases: Structure, Regulation, Modifications, and Modulators. 2022 , 0	0
24	Role of gallic acid against hypothalamic oxidative stress and insulin resistance in diet-induced obesity.	O
23	Nigral Transcriptomic Profiles in Engrailed-1 Hemizygous Mouse Models of Parkinson Disease Reveal Upregulation of Oxidative Phosphorylation-Related Genes Associated with Resistance to Dopaminergic Neurodegeneration.	O
22	Mitochondrial Signaling Pathways Associated with DNA Damage Responses. 2023 , 24, 6128	O

21	Oxidative stress as a bridge between age and stroke: A narrative review. 2023,	O
20	Nano-selenium Antagonizes Heat Stress-Induced Apoptosis of Rainbow Trout (Oncorhynchus mykiss) Hepatocytes by Activating the PI3K/AKT Pathway.	o
19	Neuroprotective Role of Chrysin Against Bupivacaine Induced Apoptosis and Oxidative Stress in SH-SY5Y Cell Line. 27-33	0
18	Putrescine supplementation shifts macrophage L-arginine metabolism related-genes reducing Leishmania amazonensis infection. 2023 , 18, e0283696	O
17	Adiponectin deficiency accelerates brain aging via mitochondria-associated neuroinflammation. 2023 , 20,	0
16	Drosophila melanogaster as a model to study age and sex differences in brain injury and neurodegeneration after mild head trauma. 17,	0
15	Ketogenic Diet as a Promising Non-Drug Intervention for Alzheimer Disease: Mechanisms and Clinical Implications. 2023 , 92, 1173-1198	0
14	The dual and emerging role of physical exercise-induced TFEB activation in the protection against Alzheimer's disease.	0
13	Mitochondria-associated cellular senescence mechanisms: Biochemical and pharmacological perspectives. 2023 ,	0
12	Applications of Taurine in the Central Nervous System Disorders Linked with Mitochondrial Impairment. 2023 , 45-75	o
11	NDUFV1 attenuates renal ischemiafleperfusion injury by improving mitochondrial homeostasis.	0
10	Insulin and Disorders of Behavioural Flexibility. 2023 , 105169	o
9	Role of TPEN in Amyloid-25B5-Induced Neuronal Damage Correlating with Recovery of Intracellular Zn2+ and Intracellular Ca2+ Overloading.	0
8	Insights from Drosophila on Alland tau-induced mitochondrial dysfunction: mechanisms and tools.	o
7	An insight into the associations between microRNA expression and mitochondrial functions in cancer cell and cancer stem cell.	0
6	Changes in metabolic landscapes shape divergent but distinct mutational signatures and cytotoxic consequences of redox stress.	O
5	NAD depletion mediates cytotoxicity in human neurons with autophagy deficiency. 2023 , 42, 112372	0
4	Nitric oxide (NO) donors in kidney damage and diseases. 2023 , 213-230	o

CITATION REPORT

Sex-specific differences in mitochondrial function and its role in health disparities. 2023, 129-144

Novel mRNA Signature for Anti-TNF-ETherapy Primary Response in Patients With Ulcerative Colitis.

Gout and risk of dementia, Alzheimer's disease or vascular dementia: a meta-epidemiology study.