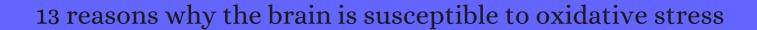
CITATION REPORT List of articles citing



DOI: 10.1016/j.redox.2018.01.008 Redox Biology, 2018, 15, 490-503.

Source: https://exaly.com/paper-pdf/69010181/citation-report.pdf

Version: 2024-04-28

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
579	Mitochondrial ROS cause motor deficits induced by synaptic inactivity: Implications for synapse pruning. <i>Redox Biology</i> , 2018 , 16, 344-351	11.3	31
578	RETRACTED ARTICLE: The quantum physiology of oxygen; from electrons to the evolution of redox signaling in the human brain. 2018 , 4, 13		3
577	Brain Chemistry: Overview. 2018 , 332-332		
576	Oxidative Stress and the Microbiota-Gut-Brain Axis. 2018 , 2018, 2406594		77
575	The Role of Circular RNAs in Cerebral Ischemic Diseases: Ischemic Stroke and Cerebral Ischemia/Reperfusion Injury. 2018 , 1087, 309-325		42
574	Redox Balance, Antioxidant Defense, and Oxidative Damage in the Hypothalamus and Cerebral Cortex of Rats with High Fat Diet-Induced Insulin Resistance. 2018 , 2018, 6940515		50
573	Molecular Neuroprotection Induced by Zinc-Dependent Expression of Hepatitis C-Derived Protein NS5A Targeting Kv2.1 Potassium Channels. 2018 , 367, 348-355		3
572	Smaller Hippocampal Volume and Degraded Peripheral Hearing Among Japanese Community Dwellers. 2018 , 10, 319		21
571	Copper signalling: causes and consequences. 2018 , 16, 71		57
570	Hypoxia compounds exercise-induced free radical formation in humans; partitioning contributions from the cerebral and femoral circulation. 2018 , 124, 104-113		20
569	Aberrant cardiolipin metabolism is associated with cognitive deficiency and hippocampal alteration in tafazzin knockdown mice. 2018 , 1864, 3353-3367		15
568	In Vitro Model of Neuroinflammation: Efficacy of Cannabigerol, a Non-Psychoactive Cannabinoid. 2018 , 19,		34
567	Simultaneous determination of total homocysteine, cysteine, glutathione, and N-acetylcysteine in brain homogenates by HPLC. 2018 , 41, 3241-3249		30
566	Exosomes derived from PEDF modified adipose-derived mesenchymal stem cells ameliorate cerebral ischemia-reperfusion injury by regulation of autophagy and apoptosis. 2018 , 371, 269-277		59
565	Elevated levels of 8-oxoGuo and 8-oxodG in individuals with severe mental illness - An autopsy-based study. 2018 , 126, 372-378		6
564	Pretreatment with Group II Metabotropic Glutamate Receptor Agonist LY379268 Protects Neonatal Rat Brains from Oxidative Stress in an Experimental Model of Birth Asphyxia. 2018 , 8,		7
563	Why antioxidant therapies have failed in clinical trials. 2018 , 457, 1-5		23

562	Synapse Pruning: Mitochondrial ROS with Their Hands on the Shears. 2018 , 40, e1800031	22
561	Food for Oxidative Stress Relief: Polyphenols. 2019 , 392-398	1
560	Impairment of spatial working memory and oxidative stress induced by repeated crack cocaine inhalation in rats. 2019 , 359, 910-917	7
559	Short Overview of ROS as Cell Function Regulators and Their Implications in Therapy Concepts. 2019 , 8,	96
558	A Possible Neurodegeneration Mechanism Triggered by Diabetes. 2019 , 30, 692-700	11
557	Emerging Roles of Sestrins in Neurodegenerative Diseases: Counteracting Oxidative Stress and Beyond. 2019 , 8,	22
556	The effects of kahweol, a diterpene present in coffee, on the mitochondria of the human neuroblastoma SH-SY5Y cells exposed to hydrogen peroxide. 2019 , 61, 104601	13
555	Diverse functions of DNA glycosylases processing oxidative base lesions in brain. 2019 , 81, 102665	6
554	Effect of curcumin derivatives on hen egg white lysozyme amyloid fibrillation and their interaction study by spectroscopic methods. 2019 , 223, 117365	19
553	Creatine plus pyruvate supplementation prevents oxidative stress and phosphotransfer network disturbances in the brain of rats subjected to chemically-induced phenylketonuria. 2019 , 34, 1649-1660	8
552	Mitochondria as Potential Targets in Alzheimer Disease Therapy: An Update. 2019 , 10, 902	83
551	Peroxisomal Hydrogen Peroxide Metabolism and Signaling in Health and Disease. 2019 , 20,	61
550	Energy Metabolism of Neural Cells Under the Control of Phospholipases A2 and Docosahexaenoic Acid. 2019 , 131-141	
549	Challenges on the processing of plant-based neuronutraceuticals and functional foods with emerging technologies: Extraction, encapsulation and therapeutic applications. 2019 , 91, 518-529	10
548	Market power and risk-taking of banks: Some semiparametric evidence from emerging economies. 2019 , 41, 100630	4
547	Antioxidant Defense, Redox Homeostasis, and Oxidative Damage in Children With Ataxia Telangiectasia and Nijmegen Breakage Syndrome. 2019 , 10, 2322	15
546	Redox active metals in neurodegenerative diseases. 2019 , 24, 1141-1157	31
545	The Impact of Oxidative Stress on Ribosomes: From Injury to Regulation. 2019 , 8,	37

544	Multiple pharmacological and toxicological investigations on Tanacetum parthenium and Salix alba extracts: Focus on potential application as anti-migraine agents. 2019 , 133, 110783		14
543	Novel steroidal saponin isolated from Trillium tschonoskii maxim. exhibits anti-oxidative effect via autophagy induction in cellular and Caenorhabditis elegans models. 2019 , 65, 153088		7
542	The Emerging Roles of Ferroptosis in Vascular Cognitive Impairment. 2019 , 13, 811		32
541	How do cells cope with RNA damage and its consequences?. 2019 , 294, 15158-15171		52
540	Activation of TGR5 with INT-777 attenuates oxidative stress and neuronal apoptosis via cAMP/PKC[ALDH2 pathway after subarachnoid hemorrhage in rats. 2019, 143, 441-453		36
539	MicroRNA miR-1002 Enhances NMNAT-Mediated Stress Response by Modulating Alternative Splicing. 2019 , 19, 1048-1064		О
538	Examining the link between dose-dependent dietary iron intake and Alzheimer's disease through oxidative stress in the rat cortex. 2019 , 56, 198-206		12
537	New Insights on the Role of Manganese in Alzheimer's Disease and Parkinson's Disease. 2019 , 16,		33
536	Effect of Zinc on the Oxidative Stress Biomarkers in the Brain of Nickel-Treated Mice. 2019 , 2019, 854977	27	11
535	On the potential harmful effects of E-Cigarettes (EC) on the developing brain: The relationship between vaping-induced oxidative stress and adolescent/young adults social maladjustment. 2019 , 76, 202-209		35
534	Superoxide dismutase activity and risk of cognitive decline in older adults: Findings from the Chinese Longitudinal Healthy Longevity Survey. 2019 , 118, 72-77		9
533	Noxious Iron-Calcium Connections in Neurodegeneration. 2019 , 13, 48		25
532	Astrocytic mitochondrial ROS modulate brain metabolism and mouse behaviour. 2019 , 1, 201-211		59
531	Altered dietary selenium influences brain iron content and behavioural outcomes. 2019 , 372, 112011		12
530	Effects of Acute Ethanol Administration on Brain Oxidative Status: The Role of Acetaldehyde. 2019 , 43, 1672-1681		5
529	Brain oxidative damage in murine models of neonatal hypoxia/ischemia and reoxygenation. 2019 , 142, 3-15		23
528	Catalyst-free Click PEGylation reveals substantial mitochondrial ATP synthase sub-unit alpha oxidation before and after fertilisation. <i>Redox Biology</i> , 2019 , 26, 101258	11.3	7
527	Antioxidative nanomaterials and biomedical applications. 2019 , 27, 146-177		62

526	Oxidative Stress in Neurodegenerative Diseases: From a Mitochondrial Point of View. 2019 , 2019, 2105607	196
525	Intertwined Pathologies of Amyloid-land Metal Ions in Alzheimer Disease: Metal Amyloid - Danie	12
524	Cholinesterase and carboxylesterase inhibitors as pharmacological agents. 2019 , 68, 967-984	23
523	N -carbonyl-substituted phenothiazines inhibiting lipid peroxidation and associated nitric oxide consumption powerfully protect brain tissue against oxidative stress. 2019 , 94, 1680-1693	5
522	Salivary Redox Biomarkers in Different Stages of Dementia Severity. 2019 , 8,	42
521	N-(2-hydroxyethyl)-adenosine from Cordyceps cicadae attenuates hydrogen peroxide induced oxidative toxicity in PC12 cells. 2019 , 34, 1325-1334	7
520	Mutational signatures of redox stress in yeast single-strand DNA and of aging in human mitochondrial DNA share a common feature. 2019 , 17, e3000263	13
519	Transcriptomic Analysis of MAPK Signaling in NSC-34 Motor Neurons Treated with Vitamin E. 2019 , 11,	5
518	Depression- and anxiogenic-like behaviors induced by lipopolysaccharide in mice are reversed by a selenium-containing indolyl compound: Behavioral, neurochemical and computational insights involving the serotonergic system. 2019 , 115, 1-12	23
517	Inhibition of Oxidative Neurotoxicity and Scopolamine-Induced Memory Impairment by -Mangostin: and Evidence. 2019 , 2019, 3640753	12
516	The Behavioral Sequelae of Social Defeat Require Microglia and Are Driven by Oxidative Stress in Mice. 2019 , 39, 5594-5605	37
515	Redox-Related Neuronal Death and Crosstalk as Drug Targets: Focus on Epilepsy. 2019 , 13, 512	28
514	Astrocyte alterations in neurodegenerative pathologies and their modeling in human induced pluripotent stem cell platforms. 2019 , 76, 2739-2760	43
513	Natural Products in Alzheimer's Disease Therapy: Would Old Therapeutic Approaches Fix the Broken Promise of Modern Medicines?. 2019 , 24,	41
512	Gut Microbiota in Alzheimer's Disease, Depression, and Type 2 Diabetes Mellitus: The Role of Oxidative Stress. 2019 , 2019, 4730539	50
511	Conjugates of methylene blue with Larboline derivatives as new multifunctional agents for the treatment of neurodegenerative diseases. 2019 , 9, 4873	11
510	Reductive Reprogramming: A Not-So-Radical Hypothesis of Neurodegeneration Linking Redox Perturbations to Neuroinflammation and Excitotoxicity. 2019 , 39, 577-590	5
509	Mitigating effect of biotin against irradiation-induced cerebral cortical and hippocampal damage in the rat brain tissue. 2019 , 26, 13441-13452	7

508	Deciphering the Iron Side of Stroke: Neurodegeneration at the Crossroads Between Iron Dyshomeostasis, Excitotoxicity, and Ferroptosis. 2019 , 13, 85	47
507	Protective effect of surface-modified berberine nanoparticles against LPS-induced neurodegenerative changes: a preclinical study. 2019 , 9, 906-919	16
506	The effects of exercise on hippocampal inflammatory cytokine levels, brain oxidative stress markers and memory impairments induced by lipopolysaccharide in rats. 2019 , 34, 1157-1169	10
505	Chronic mild Hyperhomocysteinemia impairs energy metabolism, promotes DNA damage and induces a Nrf2 response to oxidative stress in rats brain. 2019 , 39, 687-700	15
504	Evaluating Dose- and Time-Dependent Effects of Vitamin C Treatment on a Parkinson's Disease Fly Model. 2019 , 2019, 9720546	12
503	Dietary antioxidant for disease prevention corroborated by the Nrf2 pathway. 2019 , 16,	10
502	Psychiatric Disorders and Oxidative Injury: Antioxidant Effects of Zolpidem Therapy disclosed. 2019 , 17, 311-318	18
501	Antioxidant Defense Mechanisms in Erythrocytes and in the Central Nervous System. 2019 , 8,	27
500	Insulin Resistance and Oxidative Stress in the Brain: What's New?. 2019 , 20,	91
499	Effect of High-Fat Diets on Oxidative Stress, Cellular Inflammatory Response and Cognitive Function. 2019 , 11,	71
498	The Role of Oxidative Stress in Common Risk Factors and Mechanisms of Cardio-Cerebrovascular Ischemia and Depression. 2019 , 2019, 2491927	16
497	Interplay between MicroRNAs and Oxidative Stress in Neurodegenerative Diseases. 2019 , 20,	74
496	Inhibitory Effects Induced by , , and Water Extracts on Oxidative Stress Biomarkers and Dopamine Turnover in HypoE22 Cells and Isolated Rat Striatum Challenged with 6-Hydroxydopamine. 2019 , 8,	8
495	Quercetin attenuates acute predator stress exposure-evoked innate fear and behavioral perturbation. 2019 , 30,	10
494	Proteomic strategies to unravel age-related redox signalling defects in skeletal muscle. 2019 , 132, 24-32	10
493	Age-related hearing loss and cognitive decline - The potential mechanisms linking the two. 2019 , 46, 1-9	99
492	Mitochondria, Metabolism, and Redox Mechanisms in Psychiatric Disorders. 2019 , 31, 275-317	54
491	Vitamin E Reduces Hypobaric Hypoxia-Induced Immune Responses in Male Rats. 2019 , 20, 12-21	4

(2020-2019)

490	Mitochondria-Related Protection in the Human Neuroblastoma SH-SY5Y Cells Line Exposed to Hydrogen Peroxide. 2019 , 44, 884-896		16
489	Oxygen, evolution and redox signalling in the human brain; quantum in the quotidian. 2019 , 597, 15-28		29
488	Dopamin, oxidativer Stress und Protein-Chinonmodifikationen bei Parkinson und anderen neurodegenerativen Erkrankungen. 2019 , 131, 6580-6596		5
487	Dopamine, Oxidative Stress and Protein-Quinone Modifications in Parkinson's and Other Neurodegenerative Diseases. 2019 , 58, 6512-6527		87
486	Caloric restriction and redox homeostasis in various regions of aging male rat brain: Is caloric restriction still worth trying even after early-adulthood?: Redox homeostasis and caloric restriction in brain. 2019 , 43, e12740		15
485	AVE 0991 attenuates oxidative stress and neuronal apoptosis via Mas/PKA/CREB/UCP-2 pathway after subarachnoid hemorrhage in rats. <i>Redox Biology</i> , 2019 , 20, 75-86	.3	81
484	Gold nanoparticles potentiates N-acetylcysteine effects on neurochemicals alterations in rats after polymicrobial sepsis. 2020 , 28, 428-436		4
483	Mitochondria could be a potential key mediator linking the intestinal microbiota to depression. 2020 , 121, 17-24		11
482	Stanniocalcin-1 ameliorates cerebral ischemia by decrease oxidative stress and blood brain barrier permeability. 2020 , 128, 103956		9
481	The interplay between redox signalling and proteostasis in neurodegeneration: In vivo effects of a mitochondria-targeted antioxidant in Huntington's disease mice. 2020 , 146, 372-382		26
480	Modulating neuroinflammation and oxidative stress to prevent epilepsy and improve outcomes after traumatic brain injury. 2020 , 172, 107907		37
479	Ischemic preconditioning provides long-lasting neuroprotection against ischemic stroke: The role of Nrf2. 2020 , 325, 113142		21
478	The relevance of pathophysiological alterations in redox signaling of 4-hydroxynonenal for pharmacological therapies of major stress-associated diseases. 2020 , 157, 128-153		32
477	A functionalized hydroxydopamine quinone links thiol modification to neuronal cell death. <i>Redox Biology</i> , 2020 , 28, 101377	.3	10
476	How exercise induces oxidative eustress. 2020 , 447-462		2
475	Redox-regulated brain development. 2020 , 565-582		1
474	Prenatal exposure to the pesticide metam sodium induces sensorimotor and neurobehavioral abnormalities in mice offspring. 2020 , 74, 103309		1
473	The Role of Copper in Tau-Related Pathology in Alzheimer's Disease. 2020 , 13, 572308		13

472	Mechanisms of Mitochondrial ROS Production in Assisted Reproduction: The Known, the Unknown, and the Intriguing. 2020 , 9,	11
471	Neuroprotective Effect of Antioxidants in the Brain. 2020 , 21,	63
470	Metabolic Dysregulation Contributes to the Progression of Alzheimer's Disease. 2020 , 14, 530219	27
469	Primate differential redoxome (PDR) - A paradigm for understanding neurodegenerative diseases. <i>Redox Biology</i> , 2020 , 36, 101683	1
468	Detecting Oxidative Stress Biomarkers in Neurodegenerative Disease Models and Patients. 2020, 3,	7
467	Hesperidin alleviates chronic restraint stress and lipopolysaccharide-induced Hippocampus and Frontal cortex damage in mice: Role of TLR4/NF- B , p38 MAPK/JNK, Nrf2/ARE signaling. 2020 , 140, 104835	10
466	The neurophysiological effects of iron in early life stages of zebrafish. 2020 , 267, 115625	3
465	Axonal mRNA translation in neurological disorders. 2021 , 18, 936-961	5
464	The role of saffron and its main components on oxidative stress in neurological diseases: A review. 2020 , 359-375	
463	The FAAH Inhibitor URB597 Modulates Lipid Mediators in the Brain of Rats with Spontaneous Hypertension. 2020 , 10,	4
462	Antioxidant and Anti-Inflammatory Effects of Flavonoid Hesperetin: Special Focus on Neurological Disorders. 2020 , 9,	41
461	Antioxidant therapy, oxidative stress, and blood-brain barrier: The road of dietary antioxidants. 2020 , 125-141	3
460	Neuroinflammation, oxidative stress and their interplay in neuropathic pain: Focus on specialized pro-resolving mediators and NADPH oxidase inhibitors as potential therapeutic strategies. 2020 , 162, 105280	8
459	Ferroptosis in Friedreich's Ataxia: A Metal-Induced Neurodegenerative Disease. 2020 , 10,	9
458	Autophagy and Redox Homeostasis in Parkinson's: A Crucial Balancing Act. 2020 , 2020, 8865611	8
457	Oxidative Stress Orchestrates MAPK and Nitric-Oxide Synthase Signal. 2020 , 21,	16
456	Protective Impact of Edaravone Against ZnO NPs-induced Oxidative Stress in the Human Neuroblastoma SH-SY5Y Cell Line. 2020 , 1	3
455	Superoxide dismutase (SOD), advanced oxidation protein products (AOPP), and disease-modifying treatment are related to better relapse recovery after corticosteroid treatment in multiple sclerosis. 2021 , 42, 3241-3247	1

454	Upregulation of acid sensing ion channel 1a (ASIC1a) by hydrogen peroxide through the JNK pathway. 2021 , 42, 1248-1255	5
453	Carnosic acid and carnosol: Neuroprotection and the mitochondria. 2020 , 217-230	
452	Sulforaphane and its modulation of brain redox status: The mitochondria as a target. 2020 , 377-391	O
451	PI3K/Akt and ERK1/2 Signalling Are Involved in Quercetin-Mediated Neuroprotection against Copper-Induced Injury. 2020 , 2020, 9834742	11
450	Extraction of Antioxidants from Winemaking Byproducts: Effect of the Solvent on Phenolic Composition, Antioxidant and Anti-Cholinesterase Activities, and Electrochemical Behaviour. 2020 , 9,	11
449	Nano-scaled materials may induce severe neurotoxicity upon chronic exposure to brain tissues: A critical appraisal and recent updates on predisposing factors, underlying mechanism, and future prospects. 2020 , 328, 873-894	4
448	Intranasal Administration of Mesenchymal Stem Cell Secretome Reduces Hippocampal Oxidative Stress, Neuroinflammation and Cell Death, Improving the Behavioral Outcome Following Perinatal Asphyxia. 2020 , 21,	8
447	Mitochondrial Dysfunction, Oxidative Stress and Neuroinflammation in Neurodegeneration with Brain Iron Accumulation (NBIA). 2020 , 9,	16
446	Merging the Multi-Target Effects of Phytochemicals in Neurodegeneration: From Oxidative Stress to Protein Aggregation and Inflammation. 2020 , 9,	11
445	Aging influences in the blood-brain barrier permeability and cerebral oxidative stress in sepsis. 2020 , 140, 111063	8
444	Gut Microbiota and Dysbiosis in Alzheimer's Disease: Implications for Pathogenesis and Treatment. 2020 , 57, 5026-5043	64
443	Neuroprotective effect of against HO-induced PC12 cell cytotoxicity by reducing oxidative stress. 2020 , 29, 1519-1530	2
442	Oxidative Stress and Neuroinflammation as a Pivot in Drug Abuse. A Focus on the Therapeutic Potential of Antioxidant and Anti-Inflammatory Agents and Biomolecules. 2020 , 9,	14
441	Assessment of DNA Methylation and Oxidative Changes in the Heart and Brain of Rats Receiving a High-Fat Diet Supplemented with Various Forms of Chromium. 2020 , 10,	4
440	ROS Generation in Microglia: Understanding Oxidative Stress and Inflammation in Neurodegenerative Disease. 2020 , 9,	152
439	RNA and Oxidative Stress in Alzheimer's Disease: Focus on microRNAs. 2020 , 2020, 2638130	18
438	Monosodium glutamate induces memory and hepatic dysfunctions in mice: ameliorative role of Jobelyn through the augmentation of cellular antioxidant defense machineries. 2021 , 37, 323-335	3
437	Antioxidants Targeting Mitochondrial Oxidative Stress: Promising Neuroprotectants for Epilepsy. 2020 , 2020, 6687185	13

436	Neuroprotective Effects of the Anti-cancer Drug Lapatinib Against Epileptic Seizures via Suppressing Glutathione Peroxidase 4-Dependent Ferroptosis. 2020 , 11, 601572	5
435	Biological effects of the oxygen molecule in critically ill patients. 2020 , 8, 95	11
434	Role of Oxidative Stress and Neuroinflammation in Attention-Deficit/Hyperactivity Disorder. 2020 , 9,	20
433	High-Sugar Diet Disrupts Hypothalamic but Not Cerebral Cortex Redox Homeostasis. 2020 , 12,	11
432	In Vivo Imaging with Genetically Encoded Redox Biosensors. 2020 , 21,	14
431	Establishment of an experimental rat model of high altitude cerebral edema by hypobaric hypoxia combined with temperature fluctuation. 2020 , 165, 253-262	3
430	Metformin/Donepezil combination modulates brain antioxidant status and hippocampal endoplasmic reticulum stress in type 2 diabetic rats. 2020 , 19, 499-510	9
429	The treatment of Goji berry (Lycium barbarum) improves the neuroplasticity of the prefrontal cortex and hippocampus in aged rats. 2020 , 83, 108416	11
428	X-Irradiation at 0.5©y after the forced swim test reduces forced swimming-induced immobility in mice. 2020 , 61, 517-523	2
427	Insights into serotonergic and antioxidant mechanisms involved in antidepressant-like action of 2-phenyl-3-(phenylselanyl)benzofuran in mice. 2020 , 102, 109956	7
426	Proteotoxicity and mitochondrial dynamics in aging diabetic brain. 2020, 159, 104948	5
425	Enterovirus 71 induces neural cell apoptosis and autophagy through promoting ACOX1 downregulation and ROS generation. 2020 , 11, 537-553	16
424	Emerging Drugs for the Treatment of Amyotrophic Lateral Sclerosis: A Focus on Recent Phase 2 Trials. 2020 , 25, 145-164	3
423	Protective role of taurine and structurally related compounds against diabetes-induced oxidative stress. 2020 , 351-359	
422	Bajitianwan attenuates D-galactose-induced memory impairment and bone loss through suppression of oxidative stress in aging rat model. 2020 , 261, 112992	7
421	Gravitational Transitions Increase Posterior Cerebral Perfusion and Systemic Oxidative-nitrosative Stress: Implications for Neurovascular Unit Integrity. 2020 , 441, 142-160	4
420	The Neurochemical Changes Involved in Immobilization Stress-Induced Anxiety and Depression: Roles for Oxidative Stress and Neuroinflammation. 2020 , 14, 133-149	2
419	Traditional Korean herbal formulae, Yuk-Mi-Ji-Hwang-Tang, ameliorates impairment of hippocampal memory ability by chronic restraint stress of mouse model. 2020 , 260, 113102	3

418	Effects of sulforaphane on brain mitochondria: mechanistic view and future directions. 2020, 21, 263-279	6
417	Expedition into Taurine Biology: Structural Insights and Therapeutic Perspective of Taurine in Neurodegenerative Diseases. 2020 , 10,	7
416	Reactive Sterol Electrophiles: Mechanisms of Formation and Reactions with Proteins and Amino Acid Nucleophiles 2020 , 2, 390-417	8
415	A Novel Compound YS-5-23 Exhibits Neuroprotective Effect by Reducing Esite Amyloid Precursor Protein Cleaving Enzyme 1's Expression and HO-Induced Cytotoxicity in SH-SY5Y Cells. 2020 , 45, 2113-2127	O
414	Inflammation in Neurological Disorders: The Thin Boundary Between Brain and Periphery. 2020 , 33, 191-210	27
413	Bioactive Azepine-Indole Alkaloids from. 2020 , 83, 852-863	7
412	Effect of Acupuncture on Oxidative Stress Induced by Cerebral Ischemia-Reperfusion Injury. 2020 , 9,	6
411	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. 2020 , 21, 363-383	905
410	Empathy and Oxidative Stress in Healthy Adults. 2020 , 12, 4959	1
409	Lifestyle, Oxidative Stress, and Antioxidants: Back and Forth in the Pathophysiology of Chronic Diseases. 2020 , 11, 694	235
408	Interleukin-6 and total antioxidant capacity levels following -acetylcysteine and a combination nutraceutical intervention in a randomised controlled trial for bipolar disorder. 2020 , 32, 313-320	0
407	Antioxidants as a Potential Target against Inflammation and Oxidative Stress in Attention-Deficit/Hyperactivity Disorder. 2020 , 9,	15
406	Iron Metabolism, Ferroptosis, and the Links With Alzheimer's Disease. 2019 , 13, 1443	68
405	Vanillin and vanillic acid modulate antioxidant defense system via amelioration of metabolic complications linked to Fe-induced brain tissues damage. 2020 , 35, 727-738	26
404	Early life neuroimmune challenge protects the brain after sepsis in adult rats. 2020 , 135, 104712	3
403	The pROS of Autophagy in Neuronal Health. 2020 , 432, 2546-2559	8
402	Klotho Pathways, Myelination Disorders, Neurodegenerative Diseases, and Epigenetic Drugs. 2020 , 9, 94-105	10
401	miR-322 treatment rescues cell apoptosis and neural tube defect formation through silencing NADPH oxidase 4. 2020 , 26, 902-912	7

400	Immunological Techniques to Assess Protein Thiol Redox State: Opportunities, Challenges and Solutions. 2020 , 9,	11
399	The role of nutraceuticals as a complementary therapy against various neurodegenerative diseases: A mini-review. 2020 , 10, 434-439	21
398	Proteostasis Failure in Neurodegenerative Diseases: Focus on Oxidative Stress. 2020 , 2020, 5497046	42
397	Narcissistic and Borderline Personality Disorders: Relationship With Oxidative Stress. 2020 , 34, 6-24	7
396	The Microbiota-Gut-Brain Axis Heart Shunt Part I: The French Paradox, Heart Disease and the Microbiota. 2020 , 8,	7
395	A Cecal Slurry Mouse Model of Sepsis Leads to Acute Consumption of Vitamin C in the Brain. 2020 , 12,	5
394	Refocusing the Brain: New Approaches in Neuroprotection Against Ischemic Injury. 2021 , 46, 51-63	8
393	Tualang honey and its methanolic fraction ameliorate lipopolysaccharide-induced oxidative stress, amyloid deposition and neuronal loss of the rat hippocampus. 2021 , 21, 121-129	O
392	Mitochondrial and Redox-Based Therapeutic Strategies in Huntington's Disease. 2021 , 34, 650-673	9
391	Intertwined ROS and Metabolic Signaling at the Neuron-Astrocyte Interface. 2021 , 46, 23-33	7
390	HSPB5 (B-crystallin) confers protection against paraquat-induced oxidative stress at the organismal level in a tissue-dependent manner. 2021 , 26, 229-239	5
389	Metabolomics analysis of microbiota-gut-brain axis in neurodegenerative and psychiatric diseases. 2021 , 194, 113681	19
388	Middle age as a turning point in mouse cerebral cortex energy and redox metabolism: Modulation by every-other-day fasting. 2021 , 145, 111182	10
387	The impact of citicoline on brain injury in rats subjected to head irradiation. 2021 , 28, 9742-9752	1
386	Magnetic resonance spectroscopy studies of substance use disorders: Current landscape and potential future directions. 2021 , 200, 173090	3
385	Anti-depressant effect of cerebrolysin in reserpine-induced depression in rats: Behavioral, biochemical, molecular and immunohistochemical evidence. 2021 , 334, 109329	4
384	Generation of potent Nrf2 activators via tuning the electrophilicity and steric hindrance of vinyl sulfones for neuroprotection. 2021 , 107, 104520	3
383	In-depth quantitative proteomic characterization of organotypic hippocampal slice culture reveals sex-specific differences in biochemical pathways. 2021 , 11, 2560	3

382 Introduction. **2021**, 1-2

381	Oxidative Stress and the Brain: A Working Hypothesis for the Generation of Psychological Stress. 2021 , 57-72	
380	Oxidative Stress and Neurodevelopmental Outcomes in Rat Offspring with Intrauterine Growth Restriction Induced by Reduced Uterine Perfusion. 2021 , 11,	4
379	Insulin actions on hypothalamic glucose-sensing neurones. 2021 , 33, e12937	3
378	Design, fabrication, antitubercular, antibacterial, antifungal and antioxidant study of silver doped ZnO and CuO nano candidates: A comparative pharmacological study. 2021 , 4, 100138	3
377	Oxidative Stress-Related Mechanisms in Schizophrenia Pathogenesis and New Treatment Perspectives. 2021 , 2021, 8881770	24
376	The Isothiocyanate Sulforaphane Depends on the Nrf2/EGCL/GSH Axis to Prevent Mitochondrial Dysfunction in Cells Exposed to Methylglyoxal. 2021 , 46, 740-754	3
375	Melatonin ameliorates diabetes-induced brain injury in rats. 2021 , 123, 151677	7
374	Selenium at the eural arriers: eview. 2021 , 15, 630016	13
373	Mitochondrial Oxidative Stress and "Mito-Inflammation": Actors in the Diseases. 2021 , 9,	21
372	DNA Mismatch Repair and its Role in Huntington's Disease. 2021 , 10, 75-94	8
371	An arylthiazyne derivative is a potent inhibitor of lipid peroxidation and ferroptosis providing neuroprotection in vitro and in vivo. 2021 , 11, 3518	7
370	Dopamine-Mediated Vanillin Multicomponent Derivative Synthesis via Grindstone Method: Application of Antioxidant, Anti-Tyrosinase, and Cytotoxic Activities. 2021 , 15, 787-802	1
369	Carotenoids and Cognitive Outcomes: A Meta-Analysis of Randomized Intervention Trials. 2021 , 10,	13
368	Nicotine impact on rat substantia nigra compacta. 2021 , 54, 112-123	
367	Improvement of cognitive function in mice by Citrus reticulata var. kinnow via modulation of central cholinergic system and oxidative stress. 2021 , 36, 901-910	3
366	Role of mitophagy in mitochondrial quality control: Mechanisms and potential implications for neurodegenerative diseases. 2021 , 165, 105433	6
365	Evaluating the risk of manganese-induced neurotoxicity of parenteral nutrition: review of the current literature. 2021 , 17, 581-593	2

364	A Novel Galantamine-Curcumin Hybrid as a Potential Multi-Target Agent against Neurodegenerative Disorders. 2021 , 26,	6
363	The Causal Role of Lipoxidative Damage in Mitochondrial Bioenergetic Dysfunction Linked to Alzheimer's Disease Pathology. 2021 , 11,	3
362	The Promise of the Zebrafish Model for Parkinson's Disease: Today's Science and Tomorrow's Treatment. 2021 , 12, 655550	4
361	Antioxidant Enzymes in Destructible and Non-Destructible Tissues in American Alligators (Alligator mississippiensis). 2021 , 20,	Ο
360	Phloroglucinol attenuates oligomeric amyloid beta peptide-induced astrocytic activation by reducing oxidative stress. 2021 , 145, 308-312	2
359	Salivary Biomarkers of Oxidative Stress and Inflammation in Stroke Patients: From Basic Research to Clinical Practice. 2021 , 2021, 5545330	9
358	Pulmonary arterial hypertension induces the release of circulating extracellular vesicles with oxidative content and alters redox and mitochondrial homeostasis in the brains of rats. 2021 , 44, 918-931	1
357	The brain as an insulin-sensitive metabolic organ. 2021 , 52, 101234	12
356	Oxidative Stress, Neuroinflammation, and NADPH Oxidase: Implications in the Pathogenesis and Treatment of Alzheimer's Disease. 2021 , 2021, 7086512	25
355	Vitamin E: necessary nutrient for neural development and cognitive function. 2021 , 80, 319-326	3
354	Brain organoids: A promising model to assess oxidative stress-induced central nervous system damage. 2021 , 81, 653-670	3
353	A matter of concern - Trace element dyshomeostasis and genomic stability in neurons. <i>Redox Biology</i> , 2021 , 41, 101877	9
352	Skeletal Muscle Nrf2 Contributes to Exercise-Evoked Systemic Antioxidant Defense Via Extracellular Vesicular Communication. 2021 , 49, 213-222	1
351	Oxidative eustress: On constant alert for redox homeostasis. <i>Redox Biology</i> , 2021 , 41, 101867 11.3	37
350	Carbonyl Reductase 1 Attenuates Ischemic Brain Injury by Reducing Oxidative Stress and Neuroinflammation. 2021 , 12, 711-724	2
349	Hotspot and Frontier Analysis of Exercise Training Therapy for Heart Failure Complicated With Depression Based on Web of Science Database and Big Data Analysis. 2021 , 8, 665993	O
348	Resveratrol attenuates arsenic-induced cognitive deficits via modulation of Estrogen-NMDAR-BDNF signalling pathway in female mouse hippocampus. 2021 , 238, 2485-2502	3
347	Glial Cells as Therapeutic Approaches in Brain Ischemia-Reperfusion Injury. 2021 , 10,	4

(2021-2021)

346	Bioinformatic analysis of the human brain extracellular matrix proteome in neurodegenerative disorders. 2021 , 53, 4016-4033	3
345	Association Between Uric Acid, Carotid Intima-Media Thickness, and Cardiovascular Events: Prospective Results From the IMPROVE Study. 2021 , 10, e020419	5
344	Prolyl oligopeptidase inhibition reduces oxidative stress via reducing NADPH oxidase activity by activating protein phosphatase 2A. 2021 , 169, 14-23	4
343	Apigenin Ameliorates Oxidative Stress-induced Neuronal Apoptosis in SH-SY5Y Cells. 2021 , 49, 138-147	1
342	Nutritional Value of Lam. Leaf Powder Extracts and Their Neuroprotective Effects via Antioxidative and Mitochondrial Regulation. 2021 , 13,	6
341	Astrocyte-mediated disruption of ROS homeostasis in Fragile X mouse model. 2021 , 146, 105036	1
340	Natural products as pharmacological modulators of mitochondrial dysfunctions for the treatments of Alzheimer's disease: A comprehensive review. 2021 , 218, 113401	2
339	Melatonin as a Reducer of Neuro- and Vasculotoxic Oxidative Stress Induced by Homocysteine. 2021 , 10,	3
338	8-Hydroxy-2'-Deoxyguanosine as an Oxidative Stress Marker in Insomnia. 2021 , 171, 384-387	2
337	Oxidative-Signaling in Neural Stem Cell-Mediated Plasticity: Implications for Neurodegenerative Diseases. 2021 , 10,	O
336	Differences between antioxidant defense parameters and specific trace element concentrations in healthy, benign, and malignant brain tissues. 2021 , 11, 14766	O
335	Escitalopram Targets Oxidative Stress, Caspase-3, BDNF and MeCP2 in the Hippocampus and Frontal Cortex of a Rat Model of Depression Induced by Chronic Unpredictable Mild Stress. 2021 , 22,	5
334	Linking Oxidative Stress and Proteinopathy in Alzheimer's Disease. 2021 , 10,	11
333	Neurotrophic Effect of Magnesium Comenate in Normal and under Conditions of Oxidative Stress in Culture of Chicken Spinal Ganglia. 2021 , 171, 338-341	Ο
332	Cymbopogon citratus (DC.) Stapf, citral and geraniol exhibit anticonvulsant and neuroprotective effects in pentylenetetrazole-induced seizures in zebrafish. 2021 , 275, 114142	4
331	Cellular Stress Pathways Are Linked to Acetamiprid-Induced Apoptosis in SH-SY5Y Neural Cells. 2021 , 10,	3
330	Glutathione: An Old and Small Molecule with Great Functions and New Applications in the Brain and in Alzheimer's Disease. 2021 , 35, 270-292	4
329	Isolation, Characterization and Neuroprotective Activity of Folecitin: An In Vivo Study. 2021 , 11,	8

328	Imbalance of Systemic Redox Biomarkers in Children with Epilepsy: Role of Ferroptosis. 2021 , 10,	1
327	Atypic SUMOylation of Nor1/NR4A3 regulates neural cell viability and redox sensitivity. 2021 , 35, e21827	2
326	Bacopaside-I Alleviates the Detrimental Effects of Acute Paraquat Intoxication in the Adult Zebrafish Brain. 2021 , 46, 3059-3074	1
325	Nutritional cognitive neuroscience of aging: Focus on carotenoids and cognitive frailty. <i>Redox Biology</i> , 2021 , 44, 101996	3
324	Reactive species in progeroid syndromes and ageing-related processes. 2021,	0
323	Conservative and Atypical Ferritins of Sponges. 2021 , 22,	1
322	A systematic review of treatment for patients with burning mouth syndrome. 2021 , 3331024211036152	3
321	The Potential Effects of Oxidative Stress-Related Plasma Abnormal Protein Aggregate Levels on Brain Volume and Its Neuropsychiatric Consequences in Parkinson's Disease. 2021 , 2021, 3666327	Ο
320	Micronutrients May Be a Unique Weapon Against the Neurotoxic Triad of Excitotoxicity, Oxidative Stress and Neuroinflammation: A Perspective. 2021 , 15, 726457	0
319	Chronic Stress and Oxidative Stress as Common Factors of the Pathogenesis of Depression and Alzheimer's Disease: The Role of Antioxidants in Prevention and Treatment. 2021 , 10,	5
318	Effects of (Ashwagandha) on Stress and the Stress- Related Neuropsychiatric Disorders Anxiety, Depression, and Insomnia. 2021 , 19, 1468-1495	5
317	The Reactive Species Interactome in the Brain. 2021 , 35, 1176-1206	3
316	Ferroptosis as a mechanism of neurodegeneration in Alzheimer's disease. 2021 , 159, 804-825	16
315	The role of efflux transporters and metabolizing enzymes in brain and peripheral organs to explain drug-resistant epilepsy. 2021 ,	O
314	Age-dependent effect of continuous 'artificial light at night' on circadian rhythm in male rats: neuroprotective role of melatonin. 2021 , 22, 531-545	1
313	Bixin attenuates mechanical allodynia, anxious and depressive-like behaviors associated with experimental diabetes counteracting oxidative stress and glycated hemoglobin. 2021 , 1767, 147557	O
312	Dimethyl fumarate improves cognitive deficits in chronic cerebral hypoperfusion rats by alleviating inflammation, oxidative stress, and ferroptosis via NRF2/ARE/NF- B signal pathway. 2021 , 98, 107844	14
311	DJ-1 in neurodegenerative diseases: Pathogenesis and clinical application. 2021 , 204, 102114	4

(2021-2021)

310	Fucoidan Modulated Oxidative Stress and Caspase-3 mRNA Expression Induced by Sulfoxaflor in the Brain of Mice. 2021 , 39, 1908-1919	O
309	Round Scad-Derived Octapeptide WCPFSRSF Confers Neuroprotection by Regulating Akt/Nrf2/NF B Signaling. 2021 , 69, 10606-10616	1
308	Folic acid alleviates the blood brain barrier permeability and oxidative stress and prevents cognitive decline in sepsis-surviving rats. 2021 , 137, 104193	3
307	Biomolecular Modifications Linked to Oxidative Stress in Amyotrophic Lateral Sclerosis: Determining Promising Biomarkers Related to Oxidative Stress. 2021 , 9, 1667	O
306	Nerve Growth Factor-Based Therapy in Alzheimer's Disease and Age-Related Macular Degeneration. 2021 , 15, 735928	3
305	How the brain fights fatty acids' toxicity. 2021 , 148, 105050	5
304	Gliotoxicity and Glioprotection: the Dual Role of Glial Cells. 2021, 58, 6577-6592	3
303	Radical Scavenging Potential of the Phenothiazine Scaffold: A Computational Analysis. 2021,	1
302	Interplay of gut microbiota and oxidative stress: Perspective on neurodegeneration and neuroprotection 2022 , 38, 223-244	4
301	Neuron-specific mitochondrial oxidative stress results in epilepsy, glucose dysregulation and a striking astrocyte response. 2021 , 158, 105470	2
300	ALISA: A microplate assay to measure protein thiol redox state. 2021 , 174, 272-280	3
299	Dietary nutrition for neurological disease therapy: Current status and future directions. 2021 , 226, 107861	14
298	Anxiolytic effects of essential oils may involve anti-oxidant regulation of the pro-oxidant effects of ascorbate in the brain. 2021 , 150, 105153	1
297	Antioxidant, anti-inflammatory and neuroprotective actions of resveratrol after experimental nervous system insults. Special focus on the molecular mechanisms involved. 2021 , 150, 105188	5
296	A dual-targeted multifunctional nanoformulation for potential prevention and therapy of Alzheimer's disease 2021 , 2, 100160	3
295	Dopamine in Parkinson's disease. 2021 , 522, 114-126	12
294	Biochemical and Behavioral Consequences of Ethanol Intake in a Mouse Model of Metabolic Syndrome. 2021 , 22,	
293	The Neuromelanin Paradox and Its Dual Role in Oxidative Stress and Neurodegeneration. 2021 , 10,	8

292	Peroxisomal Dysfunction and Oxidative Stress in Neurodegenerative Disease: A Bidirectional Crosstalk. 2020 , 1299, 19-30	4
291	Zinc Signaling in the Life and Death of Neurons. 2019 , 165-185	1
290	Therapeutic potential of glutathione-enhancers in stress-related psychopathologies. 2020 , 114, 134-155	13
289	The antioxidant and neuroprotective effects of Zolpidem on acrylamide-induced neurotoxicity using Wistar rat primary neuronal cortical culture. 2020 , 7, 233-240	9
288	Tavarua Deoxyriboside A and Jasplakinolide as Potential Neuroprotective Agents: Effects on Cellular Models of Oxidative Stress and Neuroinflammation. 2021 , 12, 150-162	1
287	Transplantation of platelet-derived mitochondria alleviates cognitive impairment and mitochondrial dysfunction in db/db mice. 2020 , 134, 2161-2175	18
286	Lapatinib protects against epileptic seizures via halting glutathione peroxidase 4-dependent ferroptosis.	1
285	Modulatory effect of ursolic acid on neurodegenerative activities in oxidative brain injury: An ex vivo study. 2021 , 45, e13597	5
284	Surgery/Anesthesia disturbs mitochondrial fission/fusion dynamics in the brain of aged mice with postoperative delirium. 2020 , 12, 844-865	8
283	Reviewing Biochemical Implications of Normal and Mutated Huntingtin in Huntington's Disease. 2020 , 27, 5137-5158	3
282	Human Dermal Fibroblast: A Promising Cellular Model to Study Biological Mechanisms of Major Depression and Antidepressant Drug Response. 2020 , 18, 301-318	5
281	Identification and applications of neuroactive silk proteins: a narrative review 2019 , 17, 147-156	6
280	Global sleep homeostasis reflects temporally and spatially integrated local cortical neuronal activity. 2020 , 9,	10
279	[Platelet glutathione reductase and glutathione-S-transferase in elderly patients with depression]. 2021 , 121, 79-84	
278	[Oxidative stress in schizophrenia as a promising target for psychopharmacotherapy]. 2021, 121, 131-138	0
277	Oxidative Stress and Cellular Dysfunction in Neurodegenerative Disease. 2022 , 121-154	
276	Free radical biology in neurological manifestations: mechanisms to therapeutics interventions. 2021 , 1	2
275	Revisited Hyperoxia Pathophysiology in the Perioperative Setting: A Narrative Review. 2021 , 8, 689450	O

274	Phenolic Characterization and Neuroprotective Properties of Grape Pomace Extracts. 2021, 26,	4
273	MicroRNA-204-5p reduction in rat hippocampus contributes to stress-induced pathology via targeting RGS12 signaling pathway. 2021 , 18, 243	1
272	Resveratrol protects against inorganic arsenic-induced oxidative damage and cytoarchitectural alterations in female mouse hippocampus. 2021 , 123, 151792	0
271	Green oxygen power plants in the brain rescue neuronal activity. 2021 , 24, 103158	2
270	Chronic bisphenol A exposure induces temporal neurobehavioral transformation and augmented chromatin condensation in the periventricular gray zone of zebrafish brain. 2021 , 1-10	1
269	Oxidative Stress and Cognitive Decline: The Neuroprotective Role of Natural Antioxidants. 2021 , 15, 729757	3
268	Genotoxicity and behavioral alterations induced by retene in adult zebrafish. 2021, 9, 106518	
267	MicroRNA miR-1002 enhances NMNAT-mediated stress response by modulating alternative splicing.	
266	Sleep homeostasis reflects temporally integrated local cortical neuronal activity.	
265	The Effect of Alpha-Tocopherol on Viability of PC12 Cells during Oxidative Stress and Expression of Genes Encoding Pro- and Anti-Apoptotic Mitochondrial Proteins, SOD2 and Transcription Factors NRF-1, NRF-2 and TFAM. 2020 , 56, 252-264	
264	A Review of Brain-Targeted Nonviral Gene-Based Therapies for the Treatment of Alzheimer's Disease. 2021 , 18, 4237-4255	O
263	The neuroprotective effect and possible therapeutic application of xenon in neurological diseases. 2021 , 99, 3274	2
262	The Role of Maternal Immune Activation in the Pathogenesis of Autism: A Review of the Evidence, Proposed Mechanisms and Implications for Treatment. 2021 , 22,	8
261	Insights into the Pathogenesis of Neurodegenerative Diseases: Focus on Mitochondrial Dysfunction and Oxidative Stress. 2021 , 22,	7
260	The Role of Mitochondria in Alzheimer Disease and its Potential Therapies. 2020, 175-183	
259	An Approach to Assess Mitochondrial ROS by Flow Cytometry in AAV-tagged Astrocytes in Adult Mice. 2020 , 10, e3550	O
258	Biological Stress as a Principle of Nature: A Review of Literature. 2020 , 10, 150-173	
257	Oxidative Stress in Takotsubo Syndrome-Is It Essential for an Acute Attack? Indirect Evidences Support Multisite Impact Including the Calcium Overload-Energy Failure Hypothesis. 2021 , 8, 732708	2

256	Dissecting in vivo and in vitro redox responses using chemogenetics. 2021 , 177, 360-369	2
255	Effect of berberine chloride on caspase-3 dependent apoptosis and antioxidant capacity in the hippocampus of the chronic cerebral hypoperfusion rat model. 2019 , 22, 154-159	10
254	Targeting gut dysbiosis as a means to enhance recovery from surgical brain injury. 2021, 12, 210	
253	Neuroprotective Activities of Curcumin in Parkinson's Disease: A Review of the Literature. 2021 , 22,	2
252	Effect of chronic sleep deprivation and sleep recovery on hippocampal CA3 neurons, spatial memory and anxiety-like behavior in rats. 2021 , 187, 107559	2
251	Deregulated mitochondrial microRNAs in Alzheimer's disease: Focus on synapse and mitochondria. 2021 , 73, 101529	5
250	Butylated hydroxyl-toluene, 2,4-Di-tert-butylphenol, and phytol of Chlorella sp. protect the PC12 cell line against HO-induced neurotoxicity. 2021 , 145, 112415	2
249	Temporal exposure to chronic unpredictable stress induces precocious neurobehavioral deficits by distorting neuromorphology and glutathione biosynthesis in zebrafish brain. 2022 , 418, 113672	O
248	Neuroprotective Activities of Curcumin in Parkinson Disease: A Review of the Literature. 2021 , 22, 11248	4
247	Beneficial Effects on Brain Micro-Environment by Caloric Restriction in Alleviating Neurodegenerative Diseases and Brain Aging 2021 , 12, 715443	2
246	Metabolomic profiling reveals a differential role for hippocampal glutathione reductase in infantile memory formation. 2021 , 10,	
245	Heme Oxygenase 1 in Vertebrates: Friend and Foe. 2021 , 1	O
244	Role of Oxygen Radicals in Alzheimer Disease: Focus on Tau Protein. 2021 , 1, 96-120	O
243	Coenzyme Q10 in the Treatment of Attention Deficit Hyperactivity Disorder in Children: A Randomized Controlled Trial. 2021 ,	
242	Chalcone-Derived Nrf2 Activator Protects Cognitive Function via Maintaining Neuronal Redox Status. 2021 , 10,	
241	Peanut meal extract fermented with attenuates physiological and behavioral deficits in a D-galactose-induced aging rat model. 2021 , 1-28	O
240	Nanotechnology-Based Drug Delivery Strategies to Repair the Mitochondrial Function in Neuroinflammatory and Neurodegenerative Diseases 2021 , 13,	3
239	Redox Homeostasis in Alzheimer Disease. 2022 , 323-348	1

238 Impaired Redox Status and Age-Related Neurodegenerative Disorders. **2022**, 287-302

237	Disturbances in Redox Homeostasis in the Ageing Brain. 2022 , 45-64	
236	[Clinical results and prospects for the use of phenosanic acid in patients with focal epilepsy]. 2021 , 121, 52-59	1
235	Leaky gut biomarkers in casein- and gluten-rich diet fed rat model of autism 2021 , 12, 601-610	2
234	Lipopolysaccharide Induces Gliotoxicity in Hippocampal Astrocytes from Aged Rats: Insights About the Glioprotective Roles of Resveratrol 2022 , 1	1
233	Mechanistic Insights Expatiating the Redox-Active-Metal-Mediated Neuronal Degeneration in Parkinson's Disease 2022 , 23,	2
232	Bacterial Response to Oxidative Stress and RNA Oxidation 2021 , 12, 821535	2
231	Neuroinflammatory remodeling of the anterior cingulate cortex as a key driver of mood disorders in gastrointestinal disease and disorders 2021 , 133, 104497-104497	4
230	Use of electronic vaping products and mental health among adolescent high school students in the United States: The moderating effect of sex 2021 , 147, 24-33	3
229	Targeting gut dysbiosis as a means to enhance recovery from surgical brain injury. 2021 , 12, 210	
228	The Association of Tanacetum parthenium and Salix alba Extracts Reduces Cortex Serotonin Turnover, in an Ex Vivo Experimental Model of Migraine. 2022 , 10, 280	1
227	Pathological Targets for Treating Temporal Lobe Epilepsy: Discoveries From Microscale to Macroscale 2021 , 12, 779558	O
226	A mitochondria targetable near-infrared fluorescence probe for glutathione visual biological detection 2022 , 12, 2668-2674	1
225	Nutraceuticals and Physical Activity as Antidepressants: The Central Role of the Gut Microbiota 2022 , 11,	2
224	Vitex negundo protects against cerebral ischemia-reperfusion injury in mouse via attenuating behavioral deficits and oxidative damage 2022 , 239, 573	1
223	Ligustilide attenuates ischemic stroke injury by promoting Drp1-mediated mitochondrial fission via activation of AMPK 2021 , 95, 153884	3
222	Metabolic Features of Brain Function with Relevance to Clinical Features of Alzheimer and Parkinson Diseases 2022 , 27,	1
221	Tracking Antioxidant Status in Spinal Cord Injured Rodents: A Voltammetric Method Suited for Clinical Translation 2022 ,	

220	Increasing energy expenditure through exercise and low ambient temperature offers oxidative protection to the hypothalamus after high-fat feeding to mice 2022 , e13095	O
219	A comparative study of the effect of a gentle ketogenic diet containing medium-chain or long-chain triglycerides on chronic sleep deprivation-induced cognitive deficiency 2022 ,	1
218	Isoprostanoid Plasma Levels Are Relevant to Cerebral Adrenoleukodystrophy Disease 2022, 12,	1
217	Antioxidant Role and Cardiolipin Remodeling by Redox-Activated Mitochondrial Ca-Independent Phospholipase Alln the Brain 2022 , 11,	O
216	Recent Neurotherapeutic Strategies to Promote Healthy Brain Aging: Are we there yet?. 2022, 13, 175-214	2
215	Targeting Akt/CREB/BDNF signaling pathway by ginsenosides in neurodegenerative diseases: A mechanistic approach 2022 , 177, 106099	5
214	Therapeutic Potential and Molecular Mechanisms of Echinacoside in Neurodegenerative Diseases 2022 , 13, 841110	1
213	and Metabolic Health: Untapped Potential of an Ancient Remedy for Modern Use 2021 , 12, 727061	O
212	Oxidative stress and regeneration 2022 , 181, 154-165	6
211	Crosstalk between Neuron and Glial Cells in Oxidative Injury and Neuroprotection 2021, 22,	4
21 0	Design, synthesis, and biological evaluation of new thalidomidedonepezil hybrids as neuroprotective agents targeting cholinesterases and neuroinflammation.	0
209	The Traditional Usages, Chemical Components and Pharmacological Activities of : A Review 2022 , 50, 389-440	1
208	N-Acetylcysteine Mitigates Social Dysfunction in a Rat Model of Autism Normalizing Glutathione Imbalance and the Altered Expression of Genes Related to Synaptic Function in Specific Brain Areas 2022 , 13, 851679	1
207	Alzheimer's Disease as Type 3 Diabetes: Common Pathophysiological Mechanisms between Alzheimer's Disease and Type 2 Diabetes 2022 , 23,	3
206	Antioxidant Therapy in Oxidative Stress-Induced Neurodegenerative Diseases: Role of Nanoparticle-Based Drug Delivery Systems in Clinical Translation 2022 , 11,	4
205	Glutathione in the nucleus accumbens regulates motivation to exert reward-incentivized effort.	
204	The C-glucosyl flavone isoorientin pretreatment attenuates the methylglyoxal-induced mitochondrial dysfunction in the human neuroblastoma SH-SY5Y cells: role for the AMPK-PI3K/Akt/Nrf2/EGCL/GSH axis 2022 , 1	0
203	ICP-MS Multi-Elemental Analysis of the Human Meninges Collected from Sudden Death Victims in South-Eastern Poland 2022 , 27,	

202	Non-alcoholic Fatty Liver Disease: Also a Disease of the Brain? A Systematic Review of the Preclinical Evidence 2022 , 1	O
201	Oxidative Stress and 4-hydroxy-2-nonenal (4-HNE): Implications in the Pathogenesis and Treatment of Aging-related Diseases 2022 , 2022, 2233906	O
200	Oxidative Stress in Ischemia/Reperfusion Injuries following Acute Ischemic Stroke 2022, 10,	1
199	Association between Changes in Total Antioxidant Levels and Clinical Symptom Improvement in Patients with Antipsychotic-NaWe First-Episode Schizophrenia after 3 Months of Risperidone Monotherapy 2022 , 11,	
198	-Lipoic Acid Strengthens the Antioxidant Barrier and Reduces Oxidative, Nitrosative, and Glycative Damage, as well as Inhibits Inflammation and Apoptosis in the Hypothalamus but Not in the Cerebral Cortex of Insulin-Resistant Rats 2022 , 2022, 7450514	О
197	Menthae Herba Attenuates Neuroinflammation by Regulating CREB/Nrf2/HO-1 Pathway in BV2 Microglial Cells 2022 , 11,	1
196	The neuroprotective effect of alpha lipoic acid and/or metformin against the behavioral and neurochemical changes induced by hypothyroidism in rat 2022 ,	О
195	Caveolin-1 alleviates diabetes-associated cognitive dysfunction through modulating neuronal ferroptosis-mediated mitochondrial homeostasis 2022 ,	1
194	Phenylketonuria oxidative stress and energy dysregulation: Emerging pathophysiological elements provide interventional opportunity 2022 ,	O
193	Identification of cerebrospinal fluid metabolites as biomarkers for neurobrucellosis by liquid chromatography-mass spectrometry approach 2022 , 13, 6996-7010	2
192	EPR spectroscopic evidence of iron-catalysed free radical formation in chronic mountain sickness: Dietary causes and vascular consequences 2022 ,	1
191	Harpephyllum caffrum fruit (wild plum) facilitates glucose uptake and modulates metabolic activities linked to neurodegeneration in isolated rat brain: An in vitro and in silico approach 2022 , e14177	O
190	⊞ipoic Acid Reduces Ceramide Synthesis and Neuroinflammation in the Hypothalamus of Insulin-Resistant Rats, While in the Cerebral Cortex Diminishes the Amyloid Accumulation 2022 , 15, 2295-2312	2
189	Changes in antioxidant enzyme levels following capture in juvenile American Alligators (Alligator mississippiensis) are tissue dependent.	
188	The Role of Oxidative Stress and Inflammation in X-Link Adrenoleukodystrophy 2022, 9, 864358	O
187	Sleep deficiency as a driver of cellular stress and damage in neurological disorders 2022, 63, 101616	O
186	The Impact of Medium Chain and Polyunsaturated B-Fatty Acids on Amyloid-Deposition, Oxidative Stress and Metabolic Dysfunction Associated with Alzheimer's Disease 2021 , 10,	4
185	Physical Activity vs. Redox Balance in the Brain: Brain Health, Aging and Diseases 2021 , 11,	О

184	Antioxidant for Neurological Diseases and Neurotrauma and Bioengineering Approaches 2021 , 11,	2
183	Chromatin architecture at susceptible gene loci in cerebellar Purkinje cells characterizes DNA damage-induced neurodegeneration 2021 , 7, eabg6363	1
182	Identification of Active Ingredients of Huangqi Guizhi Wuwu Decoction for Promoting Nerve Function Recovery After Ischemic Stroke Using HT22 Live-Cell-Based Affinity Chromatography Combined with HPLC-MS/MS 2021 , 15, 5165-5178	2
181	Parkinson's Disease and the Metal-Microbiome-Gut-Brain Axis: A Systems Toxicology Approach 2021 , 11,	О
180	Definitions and Concepts of Stress. 2022 , 27-63	
179	Neuroglial Senescence, Esynucleinopathy, and the Therapeutic Potential of Senolytics in Parkinson's Disease 2022 , 16, 824191	1
178	The Role of Oxidative Stress in Skeletal Muscle Myogenesis and Muscle Disease 2022, 11,	1
177	Role and Mechanism of Ferroptosis in Neurological Diseases 2022 , 101502	1
176	Multi-biomarker approach to evaluate the neurotoxic effects of environmentally relevant concentrations of phenytoin on adult zebrafish Danio rerio 2022 , 155359	
175	video1.mp4. 2020 ,	
174	video2.mp4. 2020 ,	
173	video3.mp4. 2020 ,	
172	video4.mp4. 2020 ,	
171	video5.mp4. 2020 ,	
170	Altered responsiveness of the antioxidant system in chronically stressed animals: modulation by chronic lurasidone treatment 2022 , 1	0
169	Inflammation: A New Look at an Old Problem 2022 , 23,	3
168	The Influence of Selected Antipsychotic Drugs on Biochemical Aspects of Alzheimer's Disease 2022 , 23,	
167	JNK1 and JNK3: divergent functions in hippocampal metabolic-cognitive function 2022 , 28, 48	1

166	TIGAR alleviates oxidative stress in brain with extended ischemia via a pentose phosphate pathway-independent manner <i>Redox Biology</i> , 2022 , 53, 102323	11.3	1
165	Roles of Heme Oxygenase-1 in Neuroinflammation and Brain Disorders. 2022 , 11, 923		1
164	Endoplasmic Reticulum Stress and the Unfolded Protein Response in Cerebral Ischemia/Reperfusion Injury. 2022 , 16,		2
163	In-utero exposure to air pollution and early-life neural development and cognition 2022 , 238, 113589		О
162	The neuroprotective effects of phosphoglycerate mutase 5 are mediated by decreasing oxidative stress in HT22 hippocampal cells and gerbil hippocampus 2022 , 157, 105346		O
161	Chemical profile, antibacterial, antioxidant and insecticidal properties of the essential oil from Tetraclinis articulata (Vahl) masters cones. 1-11		2
160	Neuroprotective Effect of N-acetylcysteine Against Monocrotophos-Induced Oxidative Stress in Different Brain Regions of Rats 2022 ,		
159	An Overview of Oxidative Stress, Neuroinflammation and Neurodegenerative Diseases. 2022 , 23, 5938		6
158	A Pivotal Role of Nrf2 in Neurodegenerative Disorders: A New Way for Therapeutic Strategies. 2022 , 15, 692		1
157	The Conflicting Role of Caffeine Supplementation on Hyperoxia-Induced Injury on the Cerebellar Granular Cell Neurogenesis of Newborn Rats. 2022 , 2022, 1-21		1
156	Neuroprotective Effects and Therapeutic Potential of the Citrus Flavonoid Hesperetin in Neurodegenerative Diseases. 2022 , 14, 2228		6
155	The impact of gamma-radiation on the cerebral- and cerebellar- cortex of male rats[brain. 2022,		O
154	A surface-wettable nonenzymatic fiber-optic sensor for selective detection of hydrogen peroxide.		
153	Neonatal Oxidative Stress Impairs Cortical Synapse Formation and GABA Homeostasis in Parvalbumin-Expressing Interneurons. 2022 , 2022, 1-12		O
152	Yksek Doz Hidrojen Peroksit ile Muamele Edilen Esan NEoblastoma Höre Hatteda Darbeli Elektromanyetik Alan Maruziyetinin Glutatyon Miktarea Etkisi. 2022 , 17, 146-155		
151	Research progress on the protective effects of aucubin in neurological diseases. 2022 , 60, 1088-1094		О
150	The role of the stress system in recovery after traumatic brain injury: A tribute to Bruce S. McEwen. 2022 , 100467		O
149	Nanomaterials alleviating redox stress in neurological diseases: mechanisms and applications. 2022 , 20,		0

148	Bidirectional Effect of Repeated Exposure to Extremely Low-Frequency Electromagnetic Field (50 Hz) of 1 and 7 mT on Oxidative/Antioxidative Status in Rat Brain: The Prediction for the Vulnerability to Diseases. 2022 , 2022, 1-14	O
147	Quantitative proteomics and in-cell cross-linking reveal cellular reorganisation during early neuronal differentiation of SH-SY5Y cells. 2022 , 5,	Ο
146	Silibinin Ameliorates Formaldehyde-Induced Cognitive Impairment by Inhibiting Oxidative Stress. 2022 , 2022, 1-13	О
145	Oxidative brain and cerebellum injury induced by d -galactosamine: Protective effect of S -methyl methionine sulfonium chloride.	
144	Extended High Frequency Hearing, but Not Tinnitus, Is Associated With Every-Day Cognitive Performance. 13,	0
143	Post-COVID-19 Depressive Symptoms: Epidemiology, Pathophysiology, and Pharmacological Treatment.	3
142	Model scenarios for cell cycle re-entry in Alzheimer's disease. 2022 , 25, 104543	0
141	Effects of Tityus Serrulatus (Lutz E Mello, 1922) Venom on Behavior and Oxidative Stress Parameters in Brain of Mice.	
140	The Impact of Mitochondrial Dysfunction in Amyotrophic Lateral Sclerosis. 2022, 11, 2049	3
139	Neuroimaging Methods to Map In Vivo Changes of OXPHOS and Oxidative Stress in Neurodegenerative Disorders. 2022 , 23, 7263	O
138	Polyphenols for the Treatment of Ischemic Stroke: New Applications and Insights. 2022, 27, 4181	0
137	Advances in the Functions of Thioredoxin System in Central Nervous System Diseases.	O
136	Systematic review of mitochondrial genetic variation in attention-deficit/hyperactivity disorder.	
135	Topiramate potential neurotoxicity and mitigating role of ginger oil in mice brain.	O
134	Comparative analysis of the pre- and post-medicative effects of antipsychotic agents on the blood-based oxidative stress biomarkers in patients with schizophrenia: a meta-analysis. 2022 , 20,	1
133	Normal and Pathological NRF2 Signalling in the Central Nervous System. 2022 , 11, 1426	4
132	Oxidative Stress in Tauopathies: From Cause to Therapy. 2022 , 11, 1421	2
131	The Hidden Notes of Redox Balance in Neurodegenerative Diseases. 2022 , 11, 1456	O

130	Targeting Oxidative Stress Mechanisms to Treat Alzheimer and Parkinson Disease: A Critical Review. 2022 , 2022, 1-9	6
129	Th17 cells and inflammation in neurological disorders: Possible mechanisms of action. 13,	O
128	The Neurobiological Links between Stress and Traumatic Brain Injury: A Review of Research to Date. 2022 , 23, 9519	
127	Evaluating the effects of naturally occurring radioactive materials (NORM) on rat's brain cerebral cortex.	
126	Role of Protein Damage Inflicted by Dopamine Metabolites in Parkinson® Disease: Evidence, Tools, and Outlook.	1
125	Low Xanthophylls, Retinol, Lycopene, and Tocopherols in Gray and White Matter of Brains with Alzheimer Disease. 2022 , 1-16	0
124	Single Walled Carbon Nanotubes in High Concentrations is Cytotoxic to the Human neuronal Cell LN18. 2022 , 100484	1
123	Exosome mediated Tom40 delivery protects against hydrogen peroxide-induced oxidative stress by regulating mitochondrial function. 2022 , 17, e0272511	1
122	Diet, Polyphenols, and Human Evolution. 2022 , 12, 7805	1
121	Antioxidant Therapeutic Strategies in Neurodegenerative Diseases. 2022 , 23, 9328	3
121	Antioxidant Therapeutic Strategies in Neurodegenerative Diseases. 2022, 23, 9328 Prophylactic role of olive fruit extract against cigarette smokelhduced oxidative stress in SpragueDawley rats.	3
	Prophylactic role of olive fruit extract against cigarette smokelihduced oxidative stress in	3
120	Prophylactic role of olive fruit extract against cigarette smokelhduced oxidative stress in SpragueDawley rats. Suppression of Chronic Unpredictable Stress-Persuaded Increased Monoamine Oxidase Activity by	3
120 119	Prophylactic role of olive fruit extract against cigarette smokelihduced oxidative stress in SpragueDawley rats. Suppression of Chronic Unpredictable Stress-Persuaded Increased Monoamine Oxidase Activity by Taurine Promotes Significant Neuroprotection in Zebrafish Brain. Memory Impairment, Pro-Inflammatory Host Response and Brain Histopathologic Severity in Rats	3
120 119 118	Prophylactic role of olive fruit extract against cigarette smokelihduced oxidative stress in SpragueDawley rats. Suppression of Chronic Unpredictable Stress-Persuaded Increased Monoamine Oxidase Activity by Taurine Promotes Significant Neuroprotection in Zebrafish Brain. Memory Impairment, Pro-Inflammatory Host Response and Brain Histopathologic Severity in Rats Infected with K. pneumoniae or P. aeruginosa Meningitis. 2022, 11, 933 Research progress on oxidative stress regulating different types of neuronal death caused by	
120 119 118	Prophylactic role of olive fruit extract against cigarette smokelhduced oxidative stress in SpragueDawley rats. Suppression of Chronic Unpredictable Stress-Persuaded Increased Monoamine Oxidase Activity by Taurine Promotes Significant Neuroprotection in Zebrafish Brain. Memory Impairment, Pro-Inflammatory Host Response and Brain Histopathologic Severity in Rats Infected with K. pneumoniae or P. aeruginosa Meningitis. 2022, 11, 933 Research progress on oxidative stress regulating different types of neuronal death caused by epileptic seizures. Effects of Aging and Disease Conditions in Brain of Tumor-Bearing Mice: Evaluation of Purine DNA	3
120 119 118 117 116	Prophylactic role of olive fruit extract against cigarette smokelhduced oxidative stress in SpragueDawley rats. Suppression of Chronic Unpredictable Stress-Persuaded Increased Monoamine Oxidase Activity by Taurine Promotes Significant Neuroprotection in Zebrafish Brain. Memory Impairment, Pro-Inflammatory Host Response and Brain Histopathologic Severity in Rats Infected with K. pneumoniae or P. aeruginosa Meningitis. 2022, 11, 933 Research progress on oxidative stress regulating different types of neuronal death caused by epileptic seizures. Effects of Aging and Disease Conditions in Brain of Tumor-Bearing Mice: Evaluation of Purine DNA Damages and Fatty Acid Pool Changes. 2022, 12, 1075 Avermectin induces carp neurotoxicity by mediating blood-brain barrier dysfunction, oxidative	3

112	Identifying transdiagnostic biological subtypes across schizophrenia, bipolar disorder, and major depressive disorder based on lipidomics profiles. 10,	O
111	Replication dependent and independent mechanisms of GAA repeat instability. 2022, 118, 103385	O
110	Morin attenuates neurobehavioural deficits, hippocampal oxidative stress, inflammation, and apoptosis in rats co-exposed to bisphenol S and diethyl phthalate. 2022 , 1794, 148068	O
109	Human Embryonic Stem Cells as a Therapy for Alzheimer Disease. 2022 , 1-22	O
108	Nutrition and Psychiatric Disorders: Focus on Schizophrenia. 2022, 313-368	O
107	Instant Pumpkin Cream Soup with Tempeh May Improve Cognitive Function, EAmyloid Accumulation and Body Weight in Ovariohysterectomized Rats.	O
106	Neuroinflammation and Oxidative Stress in Alzheimer Disease; Can Nutraceuticals and Functional Foods Come to the Rescue?. 2022 , 21, 75-89	0
105	Possible antidepressant mechanisms of omega-3 polyunsaturated fatty acids acting on the central nervous system. 13,	1
104	Contribution of hyperglycemia-induced changes in microglia to Alzheimer disease pathology.	O
103	Analysis of the Effects of Ninjin Poeito on Physical Frailty in Mice. 2022 , 23, 11183	O
102	Zingiber officinale and Vernonia amygdalina Infusions Improve Redox Status in Rat Brain. 2022 , 2022, 1-9	O
101	Neuroprotective effect of peanut against oxidative stress in streptozotocin-induced diabetic rats. 2022 , 9, 542-559	O
100	Effects of pre-exercise H2 inhalation on physical fatigue and related prefrontal cortex activation during and after high-intensity exercise. 13,	O
99	Nano-mediated Strategies for Metal IonInduced Neurodegenerative Disorders: Focus on Alzheimer and Parkinson Diseases.	O
98	Nanotherapeutics of Phytoantioxidants for Aging and Neurological Disorders. 2022, 477-493	0
97	Antioxidant Molecular Brain Changes Parallel Adaptive Cardiovascular Response to Forced Running in Mice. 2022 , 11, 1891	O
96	Natural Dihydroisobenzofuran Derivatives as a Template for Promising Radical Scavengers: Theoretical Insights into Structure-Activity Relationships, Thermochemistry and Kinetics.	0
95	Antioxidant-based neuroprotective effect of dimethylsulfoxide against induced traumatic brain injury in a rats model. 13,	O

94	The effects of the superoxide dismutase mimetic, MnTMPyP, post hypoxia and oxygen glucose deprivation in isolated rat hippocampal slices. 2022 , 190, 105-115	1
93	Yuk-Gunja-Tang attenuates neuronal death and memory impairment via ERK/CREB/BDNF signaling in the hippocampi of experimental Alzheimer disease model. 13,	1
92	Positron Emission Tomography of Neuroimmune Responses in Humans: Insights and Intricacies. 2022 ,	0
91	Intracellular Molecular Targets and Signaling Pathways Involved in Antioxidative and Neuroprotective Effects of Cannabinoids in Neurodegenerative Conditions. 2022 , 11, 2049	Ο
90	Berberine prevents lethal EV71 neurological infection in newborn mice. 13,	O
89	The natural iron chelators' ferulic acid and caffeic acid rescue mice's brains from side effects of iron overload. 13,	O
88	Lichen Extracts from Cetrarioid Clade Provide Neuroprotection against Hydrogen Peroxide-Induced Oxidative Stress. 2022 , 27, 6520	Ο
87	Effects of long-term resveratrol treatment in hypothalamic astrocyte cultures from aged rats.	Ο
86	New Multifunctional Agents for Potential Alzheimer Disease Treatment Based on Tacrine Conjugates with 2-Arylhydrazinylidene-1,3-Diketones. 2022 , 12, 1551	0
85	The Link between Oxidative Stress, Mitochondrial Dysfunction and Neuroinflammation in the Pathophysiology of Alzheimer Disease: Therapeutic Implications and Future Perspectives. 2022 , 11, 2167	3
84	The synergy of Damyloid 1-42 and oxidative stress in the development of Alzheimer disease-like neurodegeneration of hippocampal cells. 2022 , 12,	0
83	Evaluation of the mycotoxin patulin on cytotoxicity and oxidative stress in human glioblastoma cells and investigation of protective effect of the antioxidant N-acetylcysteine (NAC). 2022 , 106957	1
82	Polyphenols and Their Nanoformulations: Protective Effects against Human Diseases. 2022 , 12, 1639	0
81	Natural dihydroisobenzofuran derivatives as a template for promising radical scavengers: theoretical insights into structure activity relationships, thermochemistry and kinetics. 2022 , 141,	1
80	Cognitive exercise dual-task intervention ameliorates cognitive decline in natural aging rats through reducing oxidative stress and enhancing synaptic plasticity. 2022 , 169, 111981	0
79	Antiglycoxidative properties of amantadine has systematic review and comprehensive in vitro study. 2023 , 38, 138-155	O
78	The Effects of Cannabidiol on Behavioural and Oxidative Stress Parameters Induced by Prolonged Haloperidol Administration. 1-42	О
77	Plant polyphenols in balancing the redox state during aging. 2023 , 181-195	O

76	Precision Nutrition and Cognitive Decline. 2022 , 191-201	O
75	A double-edged sword: ROS related therapies in the treatment of psoriasis. 2022,	O
74	Glutathione in the nucleus accumbens regulates motivation to exert reward-incentivized effort. 11,	1
73	Perturbed Iron Biology in the Prefrontal Cortex of People with Schizophrenia.	O
72	Bisphenol A-induced neurobehavioral transformation is associated with augmented monoamine oxidase activity and neurodegeneration in zebrafish brain. 2023 , 97, 104027	0
71	Trends and hotspots for European Journal of Medicinal Chemistry: A bibliometric study. 2023 , 247, 115041	O
70	Exploring the possible mitoprotective and neuroprotective potency of thymoquinone, betanin, and vitamin D against cytarabine-induced mitochondrial impairment and neurotoxicity in rats' brain.	O
69	New Insights into the Gut Microbiota in Neurodegenerative Diseases from the Perspective of Redox Homeostasis. 2022 , 11, 2287	1
68	Combined effect of succinic acid, riboxin, nicotinamide, riboflavin for the treatment of chronic brain ischaemia. 2022 , 20-26	O
67	Ferroptosis increases obesity: Crosstalk between adipocytes and the neuroimmune system. 13,	1
66	Effects of Phenolic-Rich Pinus densiflora Extract on Learning, Memory, and Hippocampal Long-Term Potentiation in Scopolamine-Induced Amnesic Rats. 2022 , 11, 2497	3
65	Gut microbiota in ischemic stroke: Where we stand and challenges ahead. 9,	O
64	Magnesium and the Brain: A Focus on Neuroinflammation and Neurodegeneration. 2023, 24, 223	4
63	Neuroprotective Effects of Some Nutraceuticals against Manganese-Induced Parkinson Disease in Rats: Possible Modulatory Effects on TLR4/NLRP3/NF-B, GSK-3 Nrf2/HO-1, and Apoptotic Pathways. 2022, 15, 1554	1
62	Anti-Amnesic Effect of Synbiotic Supplementation Containing Corni fructus and Limosilactobacillus reuteri in DSS-Induced Colitis Mice. 2023 , 24, 90	O
61	Therapeutic potential of melatonin and its derivatives in aging and neurodegenerative diseases.	O
60	Angiotensin Type 2 Receptor Pharmacological Agonist Relieves Neurocognitive Deficits via Reducing Neuroinflammation and Microglial Engulfment of Dendritic Spines.	О
59	Astragaloside IV Alleviates Brain Injury Induced by Hypoxia via the Calpain-1 Signaling Pathway. 2022 , 2022, 1-21	O

58	Gum Arabic nanoformulation rescues neuronal lesions in bromobenzene-challenged rats by its antioxidant, anti-apoptotic and cytoprotective potentials. 2022 , 12,	O
57	Icaritin inhibits oxidative stress in murine astrocytes by binding to Orai1 to block store-operated calcium channel.	O
56	Nrf2 Pathway in Huntington Disease (HD): What Is Its Role?. 2022 , 23, 15272	3
55	Evaluation of Mollugo oppositifolia Linn. as cholinesterase and Execretase enzymes inhibitor. 13,	O
54	Role of melatonin and quercetin as countermeasures to the mitochondrial dysfunction induced by titanium dioxide nanoparticles. 2023 , 121403	1
53	Theaflavin-3,3?-digallate ameliorates learning and memory impairments in mice with premature brain aging induced by D-galactose. 2023 , 114077	O
52	Lifelong exposure to high-altitude hypoxia in humans is associated with improved redox homeostasis and structural-functional adaptations of the neurovascular unit.	Ο
51	MicroRNA-mediated regulation of reactive astrocytes in central nervous system diseases. 15,	O
50	Lipid Adaptations against Oxidative Challenge in the Healthy Adult Human Brain. 2023, 12, 177	О
49	The role of oxidative stress in the pathogenesis of infections with coronaviruses. 13,	1
48	Unscrambling the Role of Redox-Active Biometals in Dopaminergic Neuronal Death and Promising Metal Chelation-Based Therapy for Parkinson Disease. 2023 , 24, 1256	1
47	Type 2 Diabetes and Alzheimer∄ Disease: The Emerging Role of Cellular Lipotoxicity. 2023 , 13, 183	2
46	Activity-based anorexia in adolescent female rats causes changes in brain mitochondrial dynamics. 2023 , 261, 114072	Ο
45	Chemogenetic emulation of intraneuronal oxidative stress affects synaptic plasticity. 2023 , 60, 102604	1
44	Cyclo-glycylproline attenuates hydrogen peroxide-induced cellular damage mediated by the MDM2-p53 pathway in human neural stem cells.	0
43	Human Embryonic Stem Cells as a Therapy for Alzheimer Disease. 2023 , 797-818	O
42	Ether Lipid-Mediated Antioxidant Defense in Alzheimer Disease. 2023, 12, 293	0
41	Antioxidant Thymoquinone and Its Potential in the Treatment of Neurological Diseases. 2023 , 12, 433	O

40	Long Non-Coding RNAs in Hypoxia and Oxidative Stress: Novel Insights Investigating a Piglet Model of Perinatal Asphyxia. 2023 , 12, 549	О
39	Neuroinflammation and its role in the pathogenesis of attention deficit hyperactivity disorder (literature review). 2023 , 57, 8-22	O
38	Oxidative stress: A target to treat Alzheimer's disease and stroke. 2023 , 165, 105509	О
37	Effect of Gladiolus psittascinus Hook bulb supplemented diet on nootropic-related biomolecules in scopolamine-induced cognitive dysfunction rats. 2023 , 3, 100425	O
36	Genetic aberration analysis of mitochondrial respiratory complex I implications in the development of neurological disorders and their clinical significance. 2023 , 87, 101906	0
35	Novel N or N modified Earboline analogues as potential ligands in Alzheimer's disease therapy: Synthesis and neurobiological activity evaluation. 2023 , 133, 106378	O
34	Association between markers of oxidative stress and cognitive functioning in schizophrenia. 2022 , 6, 304	0
33	Sirtuins and redox signaling interplay in neurogenesis, neurodegenerative diseases, and neural cell reprogramming. 17,	Ο
32	Pathological changes in the brain after peripheral burns. 2023, 11,	Ο
31	Perturbed iron biology in the prefrontal cortex of people with schizophrenia.	Ο
30	Neurotransmitters in Prevention and Treatment of Alzheimer Disease. 2023, 24, 3841	Ο
29	Oxidative stress in cerebrovascular disease and associated diseases. 14,	O
28	Nox4-and Tf/TfR-mediated peroxidation and iron overload exacerbate neuronal ferroptosis after intracerebral hemorrhage: Involvement of EAAT3 dysfunction. 2023 , 199, 67-80	0
27	Site-specific phosphorylation of tau impacts mitochondrial biology and response to stressors.	O
26	The Vitamin D Receptor as a Potential Target for the Treatment of Age-Related Neurodegenerative Diseases Such as Alzheimer and Parkinson Diseases: A Narrative Review. 2023 , 12, 660	0
25	Plant-derived peptides for the improvement of Alzheimer's disease: Production, functions, and mechanisms.	O
24	Antioxidant effects of silver nanoparticles obtained by green synthesis from the aqueous extract of Eryngium carlinae on the brain mitochondria of streptozotocin-induced diabetic rats.	0
23	To Explore the Mechanism of Alzheimer∃ Disease Based on Brain-Gut Axis Theory. 2023 , 13, 121-128	Ο

(2023-2023)

22	Intranasal administration of interleukin-4 ameliorates depression-like behavior and biochemical alterations in mouse submitted to the chronic unpredictable mild stress: modulation of neuroinflammation and oxidative stress. 2023 , 240, 935-950	1
21	Polyunsaturated Lipids in the Light-Exposed and Prooxidant Retinal Environment. 2023 , 12, 617	Ο
20	Neuroprotective effect of quercetin and Zingiber officinale on sodium arsenate-induced neurotoxicity in rats.	0
19	A Mixture of Artemisia argyi and Saururus chinensis Improves PM2.5-Induced Cognitive Dysfunction by Regulating Oxidative Stress and Inflammatory Response in the Lung and Brain. 2023 , 12, 1230	O
18	Neuroglobin Facilitates Neuronal Oxygenation through Tropic Migration under Hypoxia or Anemia in Rat: How Does the Brain Breathe?.	0
17	NRF2 deficiency promotes ferroptosis of astrocytes mediated by oxidative stress in Alzheimer disease.	O
16	Iron, ferroptosis, and ischemic stroke.	O
15	1400 W, a selective inducible nitric oxide synthase inhibitor, mitigates early neuroinflammation and nitrooxidative stress in diisopropylfluorophosphate-induced short-term neurotoxicity rat model. 16,	O
14	Effects of potassium bromate on Rattus norvegicus brain antioxidant markers, acetylcholinesterase activity, and DNA fragmentation: investigation of therapeutic effect of Allium cepa. 2023 , 84,	0
13	Sex differences in antioxidant defence and the regulation of redox homeostasis in physiology and pathology. 2023 , 211, 111802	O
12	The role of selenium in shaping mice brain metabolome and selenoproteome through the gut-brain axis by combining metabolomics, metallomics, gene expression and amplicon sequencing. 2023 , 109323	O
11	Activators of Nrf2 to Counteract Neurodegenerative Diseases. 2023 , 12, 778	O
10	A Potential Role for Neuroinflammation in ADHD. 2023, 327-356	0
9	Integrated transcriptomic and metabolomic analysis of cortical neurons reveals dysregulated lipid metabolism, enhanced glycolysis and activated HIF-1 signaling pathways in acute hypoxia. 2023 , 9, e14949	O
8	Antioxidant effects of silver nanoparticles obtained by green synthesis from the aqueous extract of Eryngium carlinae on the brain mitochondria of streptozotocin-induced diabetic rats.	O
7	Flavonols in Action: Targeting Oxidative Stress and Neuroinflammation in Major Depressive Disorder. 2023 , 24, 6888	Ο
6	Congolese Traditional Foods as Sources of Antioxidant Nutrients for Disease Prevention.	0
5	Astrocytic TRPV4 Channels and Their Role in Brain Ischemia. 2023 , 24, 7101	Ο

Developmental Stage-Dependent Changes in Mitochondrial Function in the Brain of Offspring Following Prenatal Maternal Immune Activation. 2023, 24, 7243

Antioxidant Compounds from Edible Mushrooms as Potential Candidates for Treating Age-Related Neurodegenerative Diseases. 2023, 15, 1913

Molecular mechanisms of cellular senescence in neurodegenerative diseases. 2023, 168114

Metabolic correction of neurodegenerative pathologies: the role of macronutrients and timing. 67-81

Metabolic correction of neurodegenerative pathologies: the role of macronutrients and timing. 67-81