

# ROS Generation in Microglia: Understanding Oxidative Neurodegenerative Disease

Antioxidants

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Patent Review (2017–2020) of the Keap1/Nrf2 Pathway Using PatSeer Pro: Focus on Autoimmune Diseases. <i>Antioxidants</i> , 2020, 9, 1138.	2.2	11
2	Recycling of Almond By-Products for Intestinal Inflammation: Improvement of Physical-Chemical, Technological and Biological Characteristics of a Dried Almond Skins Extract. <i>Pharmaceutics</i> , 2020, 12, 884.	2.0	7
3	Development and Application of a Chemical Probe Based on a Neuroprotective Flavonoid Hybrid for Target Identification Using Activity-Based Protein Profiling. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3823-3837.	1.7	11
4	PET Imaging for Oxidative Stress in Neurodegenerative Disorders Associated with Mitochondrial Dysfunction. <i>Antioxidants</i> , 2020, 9, 861.	2.2	25
5	Panax notoginseng saponins and their applications in nervous system disorders: a narrative review. <i>Annals of Translational Medicine</i> , 2020, 8, 1525-1525.	0.7	20
6	Thioredoxin-Interacting Protein (TXNIP) with Focus on Brain and Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9357.	1.8	74
7	Disrupted Mitochondrial and Metabolic Plasticity Underlie Comorbidity between Age-Related and Degenerative Disorders as Parkinson Disease and Type 2 Diabetes Mellitus. <i>Antioxidants</i> , 2020, 9, 1063.	2.2	8
9	Methamphetamine and MDMA Neurotoxicity: Biochemical and Molecular Mechanisms. , 2021, , 1-24.		0
10	Bilirubin neurotoxicity: a narrative review on long lasting, insidious, and dangerous effects. <i>Pediatric Medicine</i> , 0, .	1.1	2
11	Investigations into the Role of Metabolism in the Inflammatory Response of BV2 Microglial Cells. <i>Antioxidants</i> , 2021, 10, 109.	2.2	3
12	Microglia activation: a role for mitochondrial DNA?. <i>Neural Regeneration Research</i> , 2021, 16, 2393.	1.6	8
13	Phytochemical Analysis, In Vitro Anticholinesterase, Antioxidant Activity and In Vivo Nootropic Effect of <i>Ferula ammoniacum</i> ( <i>Dorema ammoniacum</i> ) D. Don. in Scopolamine-Induced Memory Impairment in Mice. <i>Brain Sciences</i> , 2021, 11, 259.	1.1	12
14	Isoliquiritigenin Confers Neuroprotection and Alleviates Amyloid- $\beta$ 242-Induced Neuroinflammation in Microglia by Regulating the Nrf2/NF- $\kappa$ B Signaling. <i>Frontiers in Neuroscience</i> , 2021, 15, 638772.	1.4	22
15	NQO1 mediates the anti-inflammatory effects of nootkatone in lipopolysaccharide-induced neuroinflammation by modulating the AMPK signaling pathway. <i>Free Radical Biology and Medicine</i> , 2021, 164, 354-368.	1.3	30
16	Antioxidant Effect of a Probiotic Product on a Model of Oxidative Stress Induced by High-Intensity and Duration Physical Exercise. <i>Antioxidants</i> , 2021, 10, 323.	2.2	21
17	Paraoxonase-1 and -3 Protein Expression in the Brain of the Tg2576 Mouse Model of Alzheimer's Disease. <i>Antioxidants</i> , 2021, 10, 339.	2.2	14
18	Dexmedetomidine Alleviates Hypoxia-Induced Synaptic Loss and Cognitive Impairment via Inhibition of Microglial NOX2 Activation in the Hippocampus of Neonatal Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	13
19	Lutein Exerts Antioxidant and Anti-Inflammatory Effects and Influences Iron Utilization of BV-2 Microglia. <i>Antioxidants</i> , 2021, 10, 363.	2.2	21

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20	Molecular imaging for mitochondrial metabolism and oxidative stress in mitochondrial diseases and neurodegenerative disorders. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129832.	1.1	15
21	A Novel 1,8-Naphthyridine-2-Carboxamide Derivative Attenuates Inflammatory Responses and Cell Migration in LPS-Treated BV2 Cells via the Suppression of ROS Generation and TLR4/Myd88/NF- $\kappa$ B Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2527.	1.8	18
22	Health Benefits of Extra Virgin Olive Oil. , 0, , .		0
23	Imaging Biomarkers for Monitoring the Inflammatory Redox Landscape in the Brain. <i>Antioxidants</i> , 2021, 10, 528.	2.2	8
24	Interleukin-13 Propagates Prothrombin Kringle-2-Induced Neurotoxicity in Hippocampi In Vivo via Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3486.	1.8	5
25	Inflammation, Nitro-Oxidative Stress, Impaired Autophagy, and Insulin Resistance as a Mechanistic Convergence Between Arterial Stiffness and Alzheimer's Disease. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 651215.	1.6	16
26	Anti-Apoptotic and Anti-Inflammatory Role of Trans $\mu$ -Viniferin in a Neuron-Glia Co-Culture Cellular Model of Parkinson's Disease. <i>Foods</i> , 2021, 10, 586.	1.9	18
27	Compared with the monocyte to high-density lipoprotein ratio (MHR) and the neutrophil to lymphocyte ratio (NLR), the neutrophil to high-density lipoprotein ratio (NHR) is more valuable for assessing the inflammatory process in Parkinson's disease. <i>Lipids in Health and Disease</i> , 2021, 20, 35.	1.2	34
28	N-3 PUFA Prevent Oxidative Stress in a Rat Model of Beta-Amyloid-Induced Toxicity. <i>Pharmaceuticals</i> , 2021, 14, 339.	1.7	11
29	The Potential Role of Herpes Simplex Virus Type 1 and Neuroinflammation in the Pathogenesis of Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2021, 12, 658695.	1.1	22
30	Advances in Applying Computer-Aided Drug Design for Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4688.	1.8	73
31	Microglial Nox2 Plays a Key Role in the Pathogenesis of Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2021, 12, 638381.	2.2	16
32	Physiology of Cultured Human Microglia Maintained in a Defined Culture Medium. <i>ImmunoHorizons</i> , 2021, 5, 257-272.	0.8	6
33	Microglia in Aging and Alzheimer's Disease: A Comparative Species Review. <i>Cells</i> , 2021, 10, 1138.	1.8	57
34	Disclosing the potential of eleganolone for Parkinson's disease therapeutics: Neuroprotective and anti-inflammatory activities. <i>Pharmacological Research</i> , 2021, 168, 105589.	3.1	9
35	Water Extract of Mixed Mushroom Mycelia Grown on a Solid Barley Medium Is Protective against Experimental Focal Cerebral Ischemia. <i>Current Issues in Molecular Biology</i> , 2021, 43, 365-383.	1.0	4
36	Redox and Anti-Inflammatory Properties from Hop Components in Beer-Related to Neuroprotection. <i>Nutrients</i> , 2021, 13, 2000.	1.7	23
37	The potential role of Keap1-Nrf2 pathway in the pathogenesis of Alzheimer's disease, type 2 diabetes, and type 2 diabetes-related Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2021, 36, 1469-1479.	1.4	9

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38	NOX2 Activation in COVID-19: Possible Implications for Neurodegenerative Diseases. <i>Medicina (Lithuania)</i> , 2021, 57, 604.	0.8	18
39	Distinctive waves of innate immune response in the retina in experimental autoimmune encephalomyelitis. <i>JCI Insight</i> , 2021, 6, .	2.3	14
40	Targeting oxidative stress in disease: promise and limitations of antioxidant therapy. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 689-709.	21.5	975
41	Mitoprotective Effects of <i>Centella asiatica</i> (L.) Urb.: Anti-Inflammatory and Neuroprotective Opportunities in Neurodegenerative Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 687935.	1.6	23
42	Hydrogen peroxide induces progranulin expression to control neurite outgrowth in HT22 cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2103-2112.	0.6	2
43	The potential role of glial cells in driving the prion-like transcellular propagation of tau in tauopathies. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 14, 100242.	1.3	14
44	NADPH Oxidases in the Central Nervous System: Regional and Cellular Localization and the Possible Link to Brain Diseases. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 951-973.	2.5	12
45	Resveratrol attenuates manganese-induced oxidative stress and neuroinflammation through SIRT1 signaling in mice. <i>Food and Chemical Toxicology</i> , 2021, 153, 112283.	1.8	53
46	Microglial heterogeneity in aging and Alzheimer's disease: Is sex relevant?. <i>Journal of Pharmacological Sciences</i> , 2021, 146, 169-181.	1.1	21
47	The Influence of Virus Infection on Microglia and Accelerated Brain Aging. <i>Cells</i> , 2021, 10, 1836.	1.8	24
48	Noscapine Prevents Rotenone-Induced Neurotoxicity: Involvement of Oxidative Stress, Neuroinflammation and Autophagy Pathways. <i>Molecules</i> , 2021, 26, 4627.	1.7	9
49	Tat-p27 Ameliorates Neuronal Damage Reducing $\alpha$ -Synuclein and Inflammatory Responses in Motor Neurons After Spinal Cord Ischemia. <i>Neurochemical Research</i> , 2021, 46, 3123-3134.	1.6	0
50	Mechanistic insight into the capacity of natural polar phenolic compounds to abolish Alzheimer's disease-associated pathogenic effects of apoE4 forms. <i>Free Radical Biology and Medicine</i> , 2021, 171, 284-301.	1.3	14
51	Immune-microbiome interplay and its implications in neurodegenerative disorders. <i>Metabolic Brain Disease</i> , 2022, 37, 17-37.	1.4	5
52	Epigallocatechin-3-gallate improves chronic alcohol-induced cognitive dysfunction in rats by interfering with neuro-inflammatory, cell death and oxido-nitrosative cascade. <i>Metabolic Brain Disease</i> , 2021, 36, 2141-2153.	1.4	13
53	Ciprofloxacin and dexamethasone in combination attenuate <i>S. aureus</i> induced brain abscess via neuroendocrine-immune interaction of TLR-2 and glucocorticoid receptor leading to behavioral improvement. <i>International Immunopharmacology</i> , 2021, 97, 107695.	1.7	4
54	A systematic review of treatment for patients with burning mouth syndrome. <i>Cephalalgia</i> , 2022, 42, 128-161.	1.8	28
55	Neuroinflammation in neurological disorders: pharmacotherapeutic targets from bench to bedside. <i>Metabolic Brain Disease</i> , 2021, 36, 1591-1626.	1.4	65

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56	Walnut peptide WEKPPVSH in alleviating oxidative stress and inflammation in lipopolysaccharide-activated BV-2 microglia via the Nrf2/HO-1 and NF- $\kappa$ B/p38 MAPK pathways. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 496-504.	1.1	20
57	Chemical Constituents of the Leaves of <i>Diospyros kaki</i> (Persimmon). <i>Plants</i> , 2021, 10, 2032.	1.6	12
58	Pharmacological effects of <i>Picrasma aquassoides</i> (D. Don) Benn for inflammation, cancer and neuroprotection (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1357.	0.8	10
59	Enjoy Carefully: The Multifaceted Role of Vitamin E in Neuro-Nutrition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10087.	1.8	12
60	Oxidative Stress and Neurodegeneration: Interconnected Processes in PolyQ Diseases. <i>Antioxidants</i> , 2021, 10, 1450.	2.2	17
61	Pre- and Early Post-treatment With <i>Arthrospira platensis</i> (Spirulina) Extract Impedes Lipopolysaccharide-triggered Neuroinflammation in Microglia. <i>Frontiers in Pharmacology</i> , 2021, 12, 724993.	1.6	13
62	PI3K $\beta$ Mediates Microglial Proliferation and Cell Viability via ROS. <i>Cells</i> , 2021, 10, 2534.	1.8	7
63	Mitochondrial DNA and Exercise: Implications for Health and Injuries in Sports. <i>Cells</i> , 2021, 10, 2575.	1.8	10
64	Tau and amyloid beta differentially affect the innate immune genes expression in <i>Drosophila</i> models of Alzheimer's disease and $\beta$ -D Mannuronic acid (M2000) modulates the dysregulation. <i>Gene</i> , 2022, 808, 145972.	1.0	4
65	Phenolic constituents isolated from <i>Senna tora</i> sprouts and their neuroprotective effects against glutamate-induced oxidative stress in HT22 and R28 cells. <i>Bioorganic Chemistry</i> , 2021, 114, 105112.	2.0	10
66	Glotoxicity and Glioprotection: the Dual Role of Glial Cells. <i>Molecular Neurobiology</i> , 2021, 58, 6577-6592.	1.9	16
67	Beyond the Extra Respiration of Phagocytosis: NADPH Oxidase 2 in Adaptive Immunity and Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 733918.	2.2	20
68	NAD <sup>+</sup> improves cognitive function and reduces neuroinflammation by ameliorating mitochondrial damage and decreasing ROS production in chronic cerebral hypoperfusion models through Sirt1/PGC-1 $\beta$ pathway. <i>Journal of Neuroinflammation</i> , 2021, 18, 207.	3.1	96
69	Interplay of gut microbiota and oxidative stress: Perspective on neurodegeneration and neuroprotection. <i>Journal of Advanced Research</i> , 2022, 38, 223-244.	4.4	86
70	Lycopene can modulate the LRP1 and RAGE transporters expression at the choroid plexus in Alzheimer's disease rat. <i>Journal of Functional Foods</i> , 2021, 85, 104644.	1.6	3
71	Mechanistic insights into procyanidins as therapies for Alzheimer's disease: A review. <i>Journal of Functional Foods</i> , 2021, 86, 104683.	1.6	11
72	Icariin ameliorate Alzheimer's disease by influencing SIRT1 and inhibiting A $\beta$ cascade pathogenesis. <i>Journal of Chemical Neuroanatomy</i> , 2021, 117, 102014.	1.0	22
73	Antioxidant Combo Therapy Protects White Matter After Traumatic Brain Injury. <i>NeuroMolecular Medicine</i> , 2021, 23, 344-347.	1.8	9

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74	Tavarua Deoxyriboside A and Jasplakinolide as Potential Neuroprotective Agents: Effects on Cellular Models of Oxidative Stress and Neuroinflammation. <i>ACS Chemical Neuroscience</i> , 2021, 12, 150-162.	1.7	6
75	Quantitative description of publications (1986-2020) related to Alzheimer disease and oxidative stress: A bibliometric study. <i>Journal of Cellular Neuroscience and Oxidative Stress</i> , 2021, 13, 971-984.	0.1	1
76	Novel pharmacological strategies to treat cognitive dysfunction in chronic obstructive pulmonary disease. , 2022, 233, 108017.		8
77	Mitochondrial Translocator Protein (TSPO) Expression in the Brain After Whole Body Gamma Irradiation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 715444.	1.8	19
78	NRF2 Activation and Downstream Effects: Focus on Parkinson's Disease and Brain Angiotensin. <i>Antioxidants</i> , 2021, 10, 1649.	2.2	17
79	PDCD4 Simultaneously Promotes Microglia Activation via PDCD4-MAPK-NF- $\kappa$ B Positive Loop and Facilitates Neuron Apoptosis During Neuroinflammation. <i>Inflammation</i> , 2022, 45, 234-252.	1.7	7
80	17 $\beta$ -Estradiol Abrogates Oxidative Stress and Neuroinflammation after Cortical Stab Wound Injury. <i>Antioxidants</i> , 2021, 10, 1682.	2.2	12
81	Anti-Oxidative, Anti-Inflammatory and Anti-Apoptotic Effects of Flavonols: Targeting Nrf2, NF- $\kappa$ B and p53 Pathways in Neurodegeneration. <i>Antioxidants</i> , 2021, 10, 1628.	2.2	28
82	Impact of Fetal Growth Restriction on the Neonatal Microglial Proteome in the Rat. <i>Nutrients</i> , 2021, 13, 3719.	1.7	4
83	Implications of Phosphoinositide 3-Kinase-Akt (PI3K-Akt) Pathway in the Pathogenesis of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2022, 59, 354-385.	1.9	58
84	Resveratrol-loaded titania nanotube coatings promote osteogenesis and inhibit inflammation through reducing the reactive oxygen species production via regulation of NF- $\kappa$ B signaling pathway. <i>Materials Science and Engineering C</i> , 2021, 131, 112513.	3.8	8
85	Ginsenoside Rg1 attenuates LPS-induced cognitive impairments and neuroinflammation by inhibiting NOX2 and Ca <sup>2+</sup> -NFAT1 signaling in mice. <i>Journal of Functional Foods</i> , 2021, 87, 104791.	1.6	4
86	The Role of Maternal Immune Activation in the Pathogenesis of Autism: A Review of the Evidence, Proposed Mechanisms and Implications for Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11516.	1.8	47
87	Oxidative Stress and Energy Metabolism in the Brain: Midlife as a Turning Point. <i>Antioxidants</i> , 2021, 10, 1715.	2.2	29
88	Altered substrate metabolism in neurodegenerative disease: new insights from metabolic imaging. <i>Journal of Neuroinflammation</i> , 2021, 18, 248.	3.1	20
89	Mitochondrial dysfunction, oxidative stress, neuroinflammation, and metabolic alterations in the progression of Alzheimer's disease: A meta-analysis of in vivo magnetic resonance spectroscopy studies. <i>Ageing Research Reviews</i> , 2021, 72, 101503.	5.0	84
90	Concurrent exercise does not prevent recognition memory deficits induced by beta-amyloid in rats. <i>Physiology and Behavior</i> , 2022, 243, 113631.	1.0	1
91	Redox Switches in Noise-Induced Cardiovascular and Neuronal Dysregulation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 784910.	1.6	12

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92	Garlic ( <i>Allium sativum</i> L.) Bioactives and Its Role in Alleviating Oral Pathologies. <i>Antioxidants</i> , 2021, 10, 1847.	2.2	40
93	Anti-Inflammatory and Anti-Oxidative Effects of AM404 in IL-1 $\beta$ -Stimulated SK-N-SH Neuroblastoma Cells. <i>Frontiers in Pharmacology</i> , 2021, 12, 789074.	1.6	4
94	Paeonol Ameliorates Cognitive Deficits in Streptozotocin Murine Model of Sporadic Alzheimer's Disease via Attenuation of Oxidative Stress, Inflammation, and Mitochondrial Dysfunction. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 336-348.	1.1	19
95	Treatment With the CSF1R Antagonist GW2580, Sensitizes Microglia to Reactive Oxygen Species. <i>Frontiers in Immunology</i> , 2021, 12, 734349.	2.2	8
96	Microglia-Based Sex-Biased Neuropathology in Early-Stage Alzheimer's Disease Model Mice and the Potential Pharmacologic Efficacy of Dioscin. <i>Cells</i> , 2021, 10, 3261.	1.8	5
99	Therapeutic promise of carotenoids as antioxidants and anti-inflammatory agents in neurodegenerative disorders. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112610.	2.5	47
100	The ergothioneine transporter (ETT): substrates and locations, an inventory. <i>FEBS Letters</i> , 2022, 596, 1252-1269.	1.3	29
101	Redox dyshomeostasis strategy for tumor therapy based on nanomaterials chemistry. <i>Chemical Science</i> , 2022, 13, 2202-2217.	3.7	49
102	Interleukin-4 Aggravates LPS-Induced Striatal Neurodegeneration In Vivo via Oxidative Stress and Polarization of Microglia/Macrophages. <i>International Journal of Molecular Sciences</i> , 2022, 23, 571.	1.8	6
103	A Systemic Review of the Integral Role of TRPM2 in Ischemic Stroke: From Upstream Risk Factors to Ultimate Neuronal Death. <i>Cells</i> , 2022, 11, 491.	1.8	9
104	Molecular mechanisms of cognitive impairment associated with stroke. <i>Metabolic Brain Disease</i> , 2022, 37, 279-287.	1.4	4
105	Oxidative Stress in Cancer Therapy: Friend or Enemy?. <i>ChemBioChem</i> , 2022, 23, .	1.3	49
106	Unifying mechanism behind the onset of acquired epilepsy. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 87-96.	4.0	17
107	Persistent Acidic Environment Induces Impaired Phagocytosis via ERK in Microglia. <i>Neurochemical Research</i> , 2022, , 1.	1.6	2
108	Purification, structural characterization and neuroprotective effect of a neutral polysaccharide from <i>Sparassis crispa</i> . <i>International Journal of Biological Macromolecules</i> , 2022, 201, 389-399.	3.6	15
109	In vivo hydrogen peroxide diffusivity in brain tissue supports volume signaling activity. <i>Redox Biology</i> , 2022, 50, 102250.	3.9	20
110	Mechanisms and clinical evidence to support melatonin's use in severe COVID-19 patients to lower mortality. <i>Life Sciences</i> , 2022, 294, 120368.	2.0	16
111	Crosstalk between Neuron and Glial Cells in Oxidative Injury and Neuroprotection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13315.	1.8	46

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112	Neuroinflammation and oxidative injury in developmental neurotoxicity. , 2022, , 1129-1140.		0
113	Effects of water-soluble mangosteen extract on cognitive function and neuropsychiatric symptoms in patients with mild to moderate Alzheimer's disease (WECAN-AD): A randomized controlled trial. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, e12292.	1.8	3
114	Optimized integration of metabolomics and lipidomics reveals brain region-specific changes of oxidative stress and neuroinflammation in type 1 diabetic mice with cognitive decline. Journal of Advanced Research, 2023, 43, 233-245.	4.4	14
115	Pharmacological Inhibition of Spermine Oxidase Suppresses Excitotoxicity Induced Neuroinflammation in Mouse Retina. International Journal of Molecular Sciences, 2022, 23, 2133.	1.8	12
116	Crosstalk Between the Oxidative Stress and Glia Cells After Stroke: From Mechanism to Therapies. Frontiers in Immunology, 2022, 13, 852416.	2.2	31
117	Redox signaling at the crossroads of human health and disease. MedComm, 2022, 3, e127.	3.1	44
118	Microglia and Neuroinflammation: Crucial Pathological Mechanisms in Traumatic Brain Injury-Induced Neurodegeneration. Frontiers in Aging Neuroscience, 2022, 14, 825086.	1.7	46
119	The Novel Nrf2 Activator Omaveloxolone Regulates Microglia Phenotype and Ameliorates Secondary Brain Injury after Intracerebral Hemorrhage in Mice. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-18.	1.9	14
120	Menthae Herba Attenuates Neuroinflammation by Regulating CREB/Nrf2/HO-1 Pathway in BV2 Microglial Cells. Antioxidants, 2022, 11, 649.	2.2	8
121	Oxidation, Glycation, and Carbamylation of Salivary Biomolecules in Healthy Children, Adults, and the Elderly: Can Saliva Be Used in the Assessment of Aging?. Journal of Inflammation Research, 2022, Volume 15, 2051-2073.	1.6	12
122	Microglia Polarization: A Novel Target of Exosome for Stroke Treatment. Frontiers in Cell and Developmental Biology, 2022, 10, 842320.	1.8	16
123	Non-psychoactive Cannabis sativa L. phytochemicals modulate microglial inflammatory response through CB2 receptors, endocannabinoids, and NF- $\kappa$ B-mediated signaling. Phytotherapy Research, 2022, 36, 2246-2263.	2.8	22
124	The effect of influenza A (H1N1) pdm09 virus infection on cytokine production and gene expression in BV2 microglial cells. Virus Research, 2022, 312, 198716.	1.1	4
125	The Role of Oxidative Stress and Inflammation in X-Link Adrenoleukodystrophy. Frontiers in Nutrition, 2022, 9, 864358.	1.6	4
127	Periodontitis and cognitive impairment in older adults: The mediating role of mitochondrial dysfunction. Journal of Periodontology, 2022, 93, 1302-1313.	1.7	14
128	TGR5 Agonist INT-777 Alleviates Inflammatory Neurodegeneration in Parkinson's Disease Mouse Model by Modulating Mitochondrial Dynamics in Microglia. Neuroscience, 2022, 490, 100-119.	1.1	13
129	Codium isthmocladum lectin 1 (CiL-1): Interaction with N-glycans explains antinociceptive and anti-inflammatory activities in adult zebrafish (Danio rerio). International Journal of Biological Macromolecules, 2022, 208, 1082-1089.	3.6	3
130	Minocycline reverses developmental arsenic exposure-induced microglia activation and functional alteration in BALB/c mice. Environmental Toxicology and Pharmacology, 2022, 92, 103858.	2.0	4



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131	Stress induced microglial activation contributes to depression. <i>Pharmacological Research</i> , 2022, 179, 106145.	3.1	36
132	Photodynamic-based combinatorial cancer therapy strategies: Tuning the properties of nanoplatform according to oncotherapy needs. <i>Coordination Chemistry Reviews</i> , 2022, 461, 214495.	9.5	44
134	Mito-TIPTP Increases Mitochondrial Function by Repressing the Rubicon-p22phox Interaction in Colitis-Induced Mice. <i>Antioxidants</i> , 2021, 10, 1954.	2.2	6
135	A peripheral lipid sensor GPR120 remotely contributes to suppression of PGD2-microglia-provoked neuroinflammation and neurodegeneration in the mouse hippocampus. <i>Journal of Neuroinflammation</i> , 2021, 18, 304.	3.1	10
136	Antioxidant for Neurological Diseases and Neurotrauma and Bioengineering Approaches. <i>Antioxidants</i> , 2022, 11, 72.	2.2	16
137	Polydopamine nanoparticles attenuate retina ganglion cell degeneration and restore visual function after optic nerve injury. <i>Journal of Nanobiotechnology</i> , 2021, 19, 436.	4.2	31
138	The NRF2-Dependent Transcriptional Regulation of Antioxidant Defense Pathways: Relevance for Cell Type-Specific Vulnerability to Neurodegeneration and Therapeutic Intervention. <i>Antioxidants</i> , 2022, 11, 8.	2.2	26
139	Allicin, an Antioxidant and Neuroprotective Agent, Ameliorates Cognitive Impairment. <i>Antioxidants</i> , 2022, 11, 87.	2.2	33
140	A Leaky Blood–Brain Barrier to Fibrinogen Contributes to Oxidative Damage in Alzheimer’s Disease. <i>Antioxidants</i> , 2022, 11, 102.	2.2	21
141	Etiology and management of Alzheimer’s disease: Potential role of gut microbiota modulation with probiotics supplementation. <i>Journal of Food Biochemistry</i> , 2022, 46, e14043.	1.2	13
142	Recent Developments in Procyanidins on Metabolic Diseases, Their Possible Sources, Pharmacokinetic Profile, and Clinical Outcomes. <i>Food Reviews International</i> , 0, , 1-24.	4.3	1
143	Bioactive Compounds and Their Derivatives: An Insight into Prospective Phytotherapeutic Approach against Alzheimer’s Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-22.	1.9	38
144	Microglia-Mediated Inflammation and Neural Stem Cell Differentiation in Alzheimer’s Disease: Possible Therapeutic Role of KV1.3 Channel Blockade. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 868842.	1.8	10
145	Recent Advances in the Molecular and Cellular Mechanisms of gp120-Mediated Neurotoxicity. <i>Cells</i> , 2022, 11, 1599.	1.8	5
146	The antioxidant enzyme Peroxiredoxin-1 controls stroke-associated microglia against acute ischemic stroke. <i>Redox Biology</i> , 2022, 54, 102347.	3.9	27
147	Brain-targeting drug delivery systems. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, .	3.3	13
149	Risperidone Toxicity on Human Blood Lymphocytes in Nano molar Concentrations. <i>Drug Research</i> , 2022, 72, 343-349.	0.7	1
150	A Pivotal Role of Nrf2 in Neurodegenerative Disorders: A New Way for Therapeutic Strategies. <i>Pharmaceuticals</i> , 2022, 15, 692.	1.7	15

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151	Design, Synthesis, and In Vitro Evaluation of Novel 8-Amino-Quinoline Combined with Natural Antioxidant Acids. <i>Pharmaceuticals</i> , 2022, 15, 688.	1.7	2
152	A Critical Role of $\hat{\nu}$ -Opioid Receptor in Anti-microglial Activation Under Stress. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
153	Characterization of an Immortalized Human Microglial Cell Line as a Tool for the Study of Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5745.	1.8	4
154	Neuroinflammation in Friedreichâ€™s Ataxia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6297.	1.8	11
155	Protective activity of tert-butylhydroquinone against oxidative stress and apoptosis induced by glutamate agonizts in R28 cells and mice retina. <i>Biomedicine and Pharmacotherapy</i> , 2022, 152, 113117.	2.5	5
156	Signal pathways in the treatment of Alzheimerâ€™s disease with traditional Chinese medicine. <i>Biomedicine and Pharmacotherapy</i> , 2022, 152, 113208.	2.5	31
157	Ascorbic acid along with ciprofloxacin regulates <i>S. aureus</i> induced microglial inflammatory responses and oxidative stress through TLR-2 and glucocorticoid receptor modulation. <i>Inflammopharmacology</i> , 0, , .	1.9	0
158	Synergistic Anti-Inflammatory Activity of Ginger and Turmeric Extracts in Inhibiting Lipopolysaccharide and Interferon- $\beta$ -Induced Proinflammatory Mediators. <i>Molecules</i> , 2022, 27, 3877.	1.7	11
159	Microbial-derived metabolites as a risk factor of age-related cognitive decline and dementia. <i>Molecular Neurodegeneration</i> , 2022, 17, .	4.4	59
160	Overview of oxidative stress findings in hepatic encephalopathy: From cellular and ammonium-based animal models to human data. <i>Analytical Biochemistry</i> , 2022, 654, 114795.	1.1	12
161	Microglial Priming in Infections and Its Risk to Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	9
162	Deltamethrin-Evoked ER Stress Promotes Neuroinflammation in the Adult Mouse Hippocampus. <i>Cells</i> , 2022, 11, 1961.	1.8	9
163	Solvent polarity dictates the antiâ€™inflammatory potency and mechanism of two purslane () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262 T	1.2	2
164	The Putative Role of Astaxanthin in Neuroinflammation Modulation: Mechanisms and Therapeutic Potential. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	7
165	An evaluation on potential anti-oxidant and anti-inflammatory effects of Crocin. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113297.	2.5	26
166	Effects of neuronal cell adhesion molecule L1 and nanoparticle surface modification on microglia. <i>Acta Biomaterialia</i> , 2022, 149, 273-286.	4.1	6
167	Autoimmune neuroinflammation triggers mitochondrial oxidation in oligodendrocytes. <i>Glia</i> , 2022, 70, 2045-2061.	2.5	16
168	Extracellular Nucleosomes Accelerate Microglial Inflammation via C-Type Lectin Receptor 2D and Toll-Like Receptor 9 in mPFC of Mice With Chronic Stress. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3

#	ARTICLE	IF	CITATIONS
169	Sex-Related Microglial Perturbation Is Related to Mitochondrial Changes in a Model of Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	7
170	Perinatal arsenic exposure-induced sustained microglial activation leads to impaired cognitive response in BALB/c mice. <i>NeuroToxicology</i> , 2022, 92, 1-14.	1.4	3
171	Normal and Pathological NRF2 Signalling in the Central Nervous System. <i>Antioxidants</i> , 2022, 11, 1426.	2.2	21
172	Oxidative Stress in Tauopathies: From Cause to Therapy. <i>Antioxidants</i> , 2022, 11, 1421.	2.2	10
173	Microglia as Therapeutic Target for Radiation-Induced Brain Injury. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8286.	1.8	14
174	Microglial Activation and Oxidative Stress in PM2.5-Induced Neurodegenerative Disorders. <i>Antioxidants</i> , 2022, 11, 1482.	2.2	14
175	Depletion of glutathione induced apoptosis and oxidative stress via the activation of TRPM2 channels in the microglia cells with Alzheimer's disease model. <i>Journal of Cellular Neuroscience and Oxidative Stress</i> , 2022, 14, 1063-1073.	0.1	1
176	[18F]ROStrace detects oxidative stress in vivo and predicts progression of Alzheimer's disease pathology in APP/PS1 mice. <i>EJNMMI Research</i> , 2022, 12, .	1.1	3
177	Microglia: Active participants in brain capillary function. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 2161-2163.	2.4	3
178	Obesity-Related Neuroinflammation: Magnetic Resonance and Microscopy Imaging of the Brain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8790.	1.8	6
179	Simultaneous imaging of redox states in dystrophic neurites and microglia at A $\beta$ 2 plaques indicate lysosome accumulation not microglia correlate with increased oxidative stress. <i>Redox Biology</i> , 2022, 56, 102448.	3.9	4
180	ROS-mediated inflammatory response in liver damage via regulating the Nrf2/HO-1/NLRP3 pathway in mice with trichloroethylene hypersensitivity syndrome. <i>Journal of Immunotoxicology</i> , 2022, 19, 100-108.	0.9	5
181	Oxidative Stress Induces Bovine Endometrial Epithelial Cell Damage through Mitochondria-Dependent Pathways. <i>Animals</i> , 2022, 12, 2444.	1.0	10
182	How molecular imaging studies can disentangle disease mechanisms in age-related neurodegenerative disorders. , 2023, , 455-492.		0
183	Intranasal nerve growth factor for prevention and recovery of the outcomes of traumatic brain injury. <i>Neural Regeneration Research</i> , 2023, 18, 773.	1.6	4
184	Neuroinflammation and Oxidative Stress in Alzheimer's Disease; Can Nutraceuticals and Functional Foods Come to the Rescue?. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2021, 21, 75-89.	1.1	4
185	Neurological Complications of COVID-19 in the Elderly. <i>Neuroscience and Behavioral Physiology</i> , 0, , .	0.2	0
186	<i>Quercus acuta</i> Thunb. Suppresses LPS-Induced Neuroinflammation in BV2 Microglial Cells via Regulating MAPK/NF- $\kappa$ B and Nrf2/HO-1 Pathway. <i>Antioxidants</i> , 2022, 11, 1851.	2.2	3

#	ARTICLE	IF	CITATIONS
187	The Ambiguous Aspects of Oxygen. <i>Oxygen</i> , 2022, 2, 382-409.	1.6	13
188	Structural and functional alterations of intestinal flora in mice induced by halonitromethanes exposure. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
189	BACE1 Aptamer-Modified Tetrahedral Framework Nucleic Acid to Treat Alzheimer's Disease in an APP-PS1 Animal Model. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 44228-44238.	4.0	8
190	Bruton's Tyrosine Kinase Inhibitors in Multiple Sclerosis: Pioneering the Path Towards Treatment of Progression?. <i>CNS Drugs</i> , 2022, 36, 1019-1030.	2.7	14
191	<i>Cordyceps militaris</i> Carotenoids Protect Human Retinal Endothelial Cells against the Oxidative Injury and Apoptosis Resulting from H <sub>2</sub> O <sub>2</sub> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-12.	0.5	1
192	Mitochondrial dysfunction in microglia: a novel perspective for pathogenesis of Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	25
193	Emerging carbon-supported single-atom catalysts for biomedical applications. <i>Matter</i> , 2022, 5, 3341-3374.	5.0	32
194	Endothelial and vascular smooth muscle dysfunction in hypertension. <i>Biochemical Pharmacology</i> , 2022, 205, 115263.	2.0	20
195	CADMA-Chem: A Computational Protocol Based on Chemical Properties Aimed to Design Multifunctional Antioxidants. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13246.	1.8	6
196	Neurodegenerative Microbially-Shaped Diseases: Oxidative Stress Meets Neuroinflammation. <i>Antioxidants</i> , 2022, 11, 2141.	2.2	6
197	Distribution of microglia/immune cells in the brain of adult zebrafish in homeostatic and regenerative conditions: Focus on oxidative stress during brain repair. <i>Journal of Comparative Neurology</i> , 2023, 531, 238-255.	0.9	2
198	The Hidden Role of Non-Canonical Amyloid $\beta^2$ Isoforms in Alzheimer's Disease. <i>Cells</i> , 2022, 11, 3421.	1.8	3
199	Gossypetin ameliorates 5xFAD spatial learning and memory through enhanced phagocytosis against A $\beta^2$ . <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	3
200	Redox signaling and metabolism in Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	19
202	Anti-inflammatory mechanisms and pharmacological actions of phycocyanobilin in a mouse model of experimental autoimmune encephalomyelitis: A therapeutic promise for multiple sclerosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
204	Serum NOX1 and Raftlin as New Potential Biomarkers of Interest in Schizophrenia: A Preliminary Study. <i>Neuropsychiatric Disease and Treatment</i> , 0, Volume 18, 2519-2527.	1.0	1
205	Discovery of a NADPH oxidase inhibitor, (E)-3-cyclohexyl-5-(4-((2-hydroxyethyl)(methyl)amino)benzylidene)-1-methyl-2-thioximidazolidin-4-oneone, as a novel therapeutic for Parkinson's disease. <i>European Journal of Medicinal Chemistry</i> , 2022, 244, 114854.	2.6	3
206	Free radical as a double-edged sword in disease: Deriving strategic opportunities for nanotherapeutics. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214875.	9.5	34

#	ARTICLE	IF	CITATIONS
207	Coordination of AMPK and YAP by Spatholobi Caulis and Procyanidin B2 Provides Antioxidant Effects In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13730.	1.8	3
208	Microglial Dysfunction in Neurodegenerative Diseases via RIPK1 and ROS. <i>Antioxidants</i> , 2022, 11, 2201.	2.2	3
209	Interplay of dietary antioxidants and gut microbiome in human health: What has been learnt thus far?. <i>Journal of Functional Foods</i> , 2023, 100, 105365.	1.6	18
210	The chemical profiling and assessment of antioxidative, antidiabetic and antineurodegenerative potential of Kombucha fermented <i>Camellia sinensis</i> , <i>Coffea arabica</i> and <i>Ganoderma lucidum</i> extracts. <i>Food and Function</i> , 2023, 14, 262-276.	2.1	3
211	Two pathways differentially linking tau depositions, oxidative stress, and neuronal loss to apathetic phenotypes in progressive supranuclear palsy. <i>Journal of the Neurological Sciences</i> , 2023, 444, 120514.	0.3	8
212	The metal ion hypothesis of Alzheimer's disease and the anti-neuroinflammatory effect of metal chelators. <i>Bioorganic Chemistry</i> , 2023, 131, 106301.	2.0	35
213	Gut microbiota: A new target for traditional Chinese medicine in the treatment of depression. <i>Journal of Ethnopharmacology</i> , 2023, 303, 116038.	2.0	7
214	Î-opioid Receptor, Microglia and Neuroinflammation. , 2023, 14, 778.		4
215	Gelsemine Exerts Neuroprotective Effects on Neonatal Mice with Hypoxic-Ischemic Brain Injury by Suppressing Inflammation and Oxidative Stress via Nrf2/HO-1 Pathway. <i>Neurochemical Research</i> , 0, , .	1.6	3
216	CHIP ameliorates neuronal damage in H2O2-induced oxidative stress in HT22 cells and gerbil ischemia. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
217	Walnut Oligopeptide Delayed Improved Aging-Related Learning and Memory Impairment in SAMP8 Mice. <i>Nutrients</i> , 2022, 14, 5059.	1.7	3
218	Glymphatic Dysfunction Induced Oxidative Stress and Neuro-Inflammation in Major Depression Disorders. <i>Antioxidants</i> , 2022, 11, 2296.	2.2	12
219	Identification of significant modules and hub genes involved in hepatic encephalopathy using WGCNA. <i>European Journal of Medical Research</i> , 2022, 27, .	0.9	0
221	The Analysis of Blood Inflammation Markers as Prognostic Factors in Parkinson's Disease. <i>Healthcare (Switzerland)</i> , 2022, 10, 2578.	1.0	3
222	Microglia and Cholesterol Handling: Implications for Alzheimer's Disease. <i>Biomedicines</i> , 2022, 10, 3105.	1.4	8
223	Role of Zerumbone, a Phytochemical Sesquiterpenoid from <i>Zingiber zerumbet</i> Smith, in Maintaining Macrophage Polarization and Redox Homeostasis. <i>Nutrients</i> , 2022, 14, 5402.	1.7	5
224	Ursolic acid: a natural modulator of signaling networks in different cancers. <i>Cancer Cell International</i> , 2022, 22, .	1.8	14
225	GDNF-Loaded Polydopamine Nanoparticles-Based Anisotropic Scaffolds Promote Spinal Cord Repair by Modulating Inhibitory Microenvironment. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	14

#	ARTICLE	IF	CITATIONS
226	Nrf2 Pathway in Huntington's Disease (HD): What Is Its Role?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15272.	1.8	8
227	Brain Targeting of Citicoline Sodium via Hyaluronic Acid-Decorated Novel Nano-Transbilosomes for Mitigation of Alzheimer's Disease in a Rat Model: Formulation, Optimization, in vitro and in vivo Assessment. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 6347-6376.	3.3	2
228	Effect of static magnetic field on marine mollusc <i>Elysia leucolegnote</i> . <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	0
229	Alpinetin inhibits neuroinflammation and neuronal apoptosis via targeting the JAK2/STAT3 signaling pathway in spinal cord injury. <i>CNS Neuroscience and Therapeutics</i> , 0, , .	1.9	6
230	Osthole Antagonizes Microglial Activation in an NRF2-Dependent Manner. <i>Molecules</i> , 2023, 28, 507.	1.7	0
231	Molecular subtypes of ALS are associated with differences in patient prognosis. <i>Nature Communications</i> , 2023, 14, .	5.8	17
232	Microglial reprogramming by Hv1 antagonism protects neurons from inflammatory and glutamate toxicity. <i>Journal of Neurochemistry</i> , 2023, 165, 29-54.	2.1	4
233	An insight into the neuroprotective and anti-neuroinflammatory effects and mechanisms of <i>Moringa oleifera</i> . <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	4
234	How viral infections cause neuronal dysfunction: a focus on the role of microglia and astrocytes. <i>Biochemical Society Transactions</i> , 2023, 51, 259-274.	1.6	3
235	Astragaloside IV: A promising natural neuroprotective agent for neurological disorders. <i>Biomedicine and Pharmacotherapy</i> , 2023, 159, 114229.	2.5	9
236	Therapeutic Effects of Green Tea Polyphenol ( $\alpha$ -Epigallocatechin-3-Gallate (EGCG) in Relation to Molecular Pathways Controlling Inflammation, Oxidative Stress, and Apoptosis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 340.	1.8	33
237	Sleep-Disturbance-Induced Microglial Activation Involves CRH-Mediated Galectin 3 and Autophagy Dysregulation. <i>Cells</i> , 2023, 12, 160.	1.8	2
239	Neuroprotective Actions of Different Exogenous Nucleotides in H <sub>2</sub> O <sub>2</sub> -Induced Cell Death in PC-12 Cells. <i>Molecules</i> , 2023, 28, 1226.	1.7	3
240	Neuroprotective Potentials of Flavonoids: Experimental Studies and Mechanisms of Action. <i>Antioxidants</i> , 2023, 12, 280.	2.2	20
241	The Interplay between $\alpha$ -Synuclein and Microglia in $\alpha$ -Synucleinopathies. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2477.	1.8	9
242	Gallic Acid Improves Comorbid Chronic Pain and Depression Behaviors by Inhibiting P2X <sub>7</sub> Receptor-Mediated Ferroptosis in the Spinal Cord of Rats. <i>ACS Chemical Neuroscience</i> , 2023, 14, 667-676.	1.7	9
243	Microglia isolation from aging mice for cell culture: A beginner's guide. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, .	1.8	1
244	Eumelanin decorated poly(lactic acid) electrospun substrates as a new strategy for spinal cord injury treatment. , 2023, 146, 213312.		1

#	ARTICLE	IF	CITATIONS
245	Neuroprotective effects of methylene blue in streptozotocin-induced model of Alzheimer's disease. <i>Brain Research</i> , 2023, 1805, 148290.	1.1	1
246	Smurf1 Facilitates Oxidative Stress and Fibrosis of Ligamentum Flavum by Promoting Nrf2 Ubiquitination and Degradation. <i>Mediators of Inflammation</i> , 2023, 2023, 1-11.	1.4	2
247	Potential drugs for the treatment of Alzheimer's disease. <i>Pharmacological Reports</i> , 2023, 75, 544-559.	1.5	2
248	Activation of neuronal NADPH oxidase NOX2 promotes inflammatory neurodegeneration. <i>Free Radical Biology and Medicine</i> , 2023, 200, 47-58.	1.3	6
249	Self-Assembly of Selenium-Doped Carbon Quantum Dots as Antioxidants for Hepatic Ischemia-Reperfusion Injury Management. <i>Small</i> , 2023, 19, .	5.2	4
250	Integrated evaluation the antioxidant activity of epicatechin from cell dynamics. <i>Biotechnology Progress</i> , 2023, 39, .	1.3	2
251	Sodium aescinate inhibits microglia activation through NF- $\kappa$ B pathway and exerts neuroprotective effect. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	1
252	Short-chain per- and polyfluoralkyl substances (PFAS) effects on oxidative stress biomarkers in human liver, kidney, muscle, and microglia cell lines. <i>Environmental Research</i> , 2023, 223, 115424.	3.7	16
253	NOX2 inhibition enables retention of the circadian clock in BV2 microglia and primary macrophages. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	2
254	The homeostatic function of Regnase-2 restricts neuroinflammation. <i>FASEB Journal</i> , 2023, 37, .	0.2	2
255	miR-124-3p improves mitochondrial function of renal tubular epithelial cells in <i>db/db</i> mice. <i>FASEB Journal</i> , 2023, 37, .	0.2	4
256	Downregulation of Nrf2 in the Hippocampus Contributes to Postoperative Cognitive Dysfunction in Aged Rats by Sensitizing Oxidative Stress and Neuroinflammation. <i>Oxidative Medicine and Cellular Longevity</i> , 2023, 2023, 1-14.	1.9	4
257	Inhibiting mitochondrial inflammation through Drp1/HK1/NLRP3 pathway: A mechanism of alpinetin attenuated aging-associated cognitive impairment. <i>Phytotherapy Research</i> , 2023, 37, 2454-2471.	2.8	2
258	N-Acetylcysteine Suppresses Microglial Inflammation and Induces Mortality Dose-Dependently via Tumor Necrosis Factor- $\alpha$ Signaling. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3798.	1.8	3
259	Rod-Shaped Polymeric Nanoparticles Intervene Neutrophils for Efficient Ischemic Stroke Therapy. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	6
260	Brain-Penetrating and Disease Site-Targeting Manganese Dioxide-Polymer-Lipid Hybrid Nanoparticles Remodel Microenvironment of Alzheimer's Disease by Regulating Multiple Pathological Pathways. <i>Advanced Science</i> , 2023, 10, .	5.6	10
261	Human umbilical cord-derived mesenchymal stem cell transplantation supplemented with curcumin improves the outcomes of ischemic stroke via AKT/GSK-3 $\beta$ /I $\kappa$ B-TrCP/Nrf2 axis. <i>Journal of Neuroinflammation</i> , 2023, 20, .	3.1	15
262	Plant-Derived Metal Nanoparticles (PDMNPs): Synthesis, Characterization, and Oxidative Stress-Mediated Therapeutic Actions. <i>Future Pharmacology</i> , 2023, 3, 252-295.	0.6	5

#	ARTICLE	IF	CITATIONS
263	Amorphous System of Hesperetin and Piperine—Improvement of Apparent Solubility, Permeability, and Biological Activities. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4859.	1.8	3
264	A Multimethodological Approach for the Valorization of “Senatore Cappelli” Wheat Milling By-Products as a Source of Bioactive Compounds and Nutraceutical Activity. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 5057.	1.2	0
265	Role of microglia in HIV-1 infection. <i>AIDS Research and Therapy</i> , 2023, 20, .	0.7	2
266	Reactive Oxygen Species-Responsive Compounds: Properties, Design, and Applications. <i>ACS Symposium Series</i> , 0, , 181-201.	0.5	0
267	Plant-Based Antioxidants for Prevention and Treatment of Neurodegenerative Diseases: Phytotherapeutic Potential of <i>Laurus nobilis</i> , <i>Aronia melanocarpa</i> , and <i>Celastr</i> . <i>Antioxidants</i> , 2023, 12, 746.	2.2	6
268	A Potential Role for Neuroinflammation in ADHD. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 327-356.	0.8	7
269	Exploring the anti-inflammatory activities, mechanism of action and prospective drug delivery systems of tocotrienol to target neurodegenerative diseases. <i>F1000Research</i> , 0, 12, 338.	0.8	0
270	Mitochondrial Complex I as a Pathologic and Therapeutic Target for Parkinson’s Disease. <i>ACS Chemical Neuroscience</i> , 0, , .	1.7	5
271	Molecular Targets Underlying the Neuroprotective Effects of Boswellic acid: A Systematic Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2023, 23, .	1.1	0
272	Active constituents of saffron ( <i>Crocus sativus</i> L.) and their prospects in treating neurodegenerative diseases (Review). <i>Experimental and Therapeutic Medicine</i> , 2023, 25, .	0.8	10
273	The Impact of ROS and NGF in the Gliomagenesis and their Emerging Implications in the Glioma Treatment. <i>CNS and Neurological Disorders - Drug Targets</i> , 2024, 23, 449-462.	0.8	1
274	Flavonols in Action: Targeting Oxidative Stress and Neuroinflammation in Major Depressive Disorder. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6888.	1.8	7
275	Upregulation of APAF1 and CSF1R in Peripheral Blood Mononuclear Cells of Parkinson’s Disease. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7095.	1.8	0
276	Positron emission tomography imaging of neuroinflammation. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2023, , 193-257.	0.0	0
278	EGCG Attenuates CA1 Neuronal Death by Regulating GPx1, NF- $\kappa$ B S536 Phosphorylation and Mitochondrial Dynamics in the Rat Hippocampus following Status Epilepticus. <i>Antioxidants</i> , 2023, 12, 966.	2.2	1
279	Cofilin Inhibitor Protects against Traumatic Brain Injury-Induced Oxidative Stress and Neuroinflammation. <i>Biology</i> , 2023, 12, 630.	1.3	8
280	Methamphetamine and MDMA Neurotoxicity: Biochemical and Molecular Mechanisms. , 2022, , 563-585.		1
311	Editorial: Investigating the role of biological pathways involved in brain disorder and infection. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	0



#	ARTICLE	IF	CITATIONS
322	Omega-3 Fatty Acids and Ageing Brain. , 2023, , 101-128.		0
331	Aging, oxidative stress and degenerative diseases: mechanisms, complications and emerging therapeutic strategies. Biogerontology, 2023, 24, 609-662.	2.0	11
339	Mitochondrial heterogeneity in diseases. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	3
394	C-Phycocyanin and Phycocyanobilin for neuroprotection: a deep dive into the biological processes involved. , 2024, , 385-401.		0