

Oxidative stress, dysfunctional glucose metabolism and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dynamic supraparticles for the treatment of age-related diseases. <i>Science Bulletin</i> , 2019, 64, 1850-1874.	4.3	9
2	Targeting Mitochondria in Alzheimer Disease: Rationale and Perspectives. <i>CNS Drugs</i> , 2019, 33, 957-969.	2.7	45
3	Mitochondria as Potential Targets in Alzheimer Disease Therapy: An Update. <i>Frontiers in Pharmacology</i> , 2019, 10, 902.	1.6	173
4	Redox active metals in neurodegenerative diseases. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 1141-1157.	1.1	60
5	The Novel Perspectives of Adipokines on Brain Health. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5638.	1.8	59
6	Calcilytic NPS 2143 Reduces Amyloid Secretion and Increases $\alpha\text{APP}^{\text{Lys}}_{1-42}$ Release from PSEN1 Mutant iPSC-Derived Neurons. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 885-899.	1.2	6
7	Covalent Organic Framework-Based Li ⁺ CO ₂ Batteries. <i>Advanced Materials</i> , 2019, 31, e1905879.	7.1	129
8	History and progress of hypotheses and clinical trials for Alzheimer's disease. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 29.	7.1	370
9	Management of oxidative stress and other pathologies in Alzheimer's disease. <i>Archives of Toxicology</i> , 2019, 93, 2491-2513.	1.9	172
10	Early administration of galantamine from preplaque phase suppresses oxidative stress and improves cognitive behavior in APP ^{swe} /PS1 ^{dE9} mouse model of Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , 2019, 145, 20-32.	1.3	31
11	Microscopic Viscosity of Neuronal Plasma Membranes Measured Using Fluorescent Molecular Rotors: Effects of Oxidative Stress and Neuroprotection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36307-36315.	4.0	33
12	Improving Antioxidant Activity of β -Lactoglobulin by Nature-Inspired Conjugation with Gentisic Acid. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11741-11751.	2.4	25
13	Microglial Phagocytosis of Neurons: Diminishing Neuronal Loss in Traumatic, Infectious, Inflammatory, and Autoimmune CNS Disorders. <i>Frontiers in Psychiatry</i> , 2019, 10, 712.	1.3	54
14	The Role of N-Methyl-D-Aspartate Receptor Neurotransmission and Precision Medicine in Behavioral and Psychological Symptoms of Dementia. <i>Frontiers in Pharmacology</i> , 2019, 10, 540.	1.6	29
15	Inhibition of amyloid β -induced toxicity by ergothioneine in a transgenic <i>Caenorhabditis elegans</i> model. <i>FEBS Letters</i> , 2019, 593, 2139-2150.	1.3	31
16	Developments with multi-target drugs for Alzheimer's disease: an overview of the current discovery approaches. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 879-891.	2.5	60
17	Contribution of astrocytes to metabolic dysfunction in the Alzheimer's disease brain. <i>Biological Chemistry</i> , 2019, 400, 1113-1127.	1.2	31
18	Design, synthesis, in-silico and biological evaluation of novel chalcone-O-carbamate derivatives as multifunctional agents for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 726-739.	2.6	39

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19	Silymarinâ€™s Inhibition and Treatment Effects for Alzheimerâ€™s Disease. <i>Molecules</i> , 2019, 24, 1748.	1.7	34
20	Pinocembrin Protects from AGE-Induced Cytotoxicity and Inhibits Non-Enzymatic Glycation in Human Insulin. <i>Cells</i> , 2019, 8, 385.	1.8	22
21	Plasma amyloid beta levels and platelet mitochondrial respiration in patients with Alzheimer's disease. <i>Clinical Biochemistry</i> , 2019, 72, 71-80.	0.8	23
22	Deep learning for clustering of multivariate clinical patient trajectories with missing values. <i>GigaScience</i> , 2019, 8, .	3.3	31
23	Involvement of hydrogen sulfide in the progression of renal fibrosis. <i>Chinese Medical Journal</i> , 2019, 132, 2872-2880.	0.9	15
24	Increases in compulsivity, inflammation, and neural injury in HIV transgenic rats with escalated methamphetamine self-administration under extended-access conditions. <i>Brain Research</i> , 2020, 1726, 146502.	1.1	17
25	Immunoregulatory Functions of Nuclear Receptors: Mechanisms and Therapeutic Implications. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 93-106.	3.1	5
26	Interaction of oxidative stress and BDNF on executive dysfunction in patients with chronic schizophrenia. <i>Psychoneuroendocrinology</i> , 2020, 111, 104473.	1.3	51
27	NPO3, a Microdose Lithium Formulation, Blunts Early Amyloid Post-Plaque Neuropathology in McGill-R-Thy1-APP Alzheimer-Like Transgenic Rats. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 723-739.	1.2	33
28	A high throughput drug screening paradigm using transgenic <i>Caenorhabditis elegans</i> model of Alzheimerâ€™s disease. <i>Translational Medicine of Aging</i> , 2020, 4, 11-21.	0.6	6
29	Purified <i>Tetrahymena</i> hemsleyanum vines polysaccharide attenuates EC-induced toxicity in Caco-2 cells and <i>Caenorhabditis elegans</i> via DAF-16/FOXO pathway. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 1192-1202.	3.6	19
30	A review of the pharmacology and toxicology of aucubin. <i>FÃ¼rtherapÃ¼r</i> , 2020, 140, 104443.	1.1	68
31	A novel fluorescent protein chromophore analogue to simultaneously probe lysosome viscosity and Î²-amyloid fibrils. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127509.	4.0	32
32	Therapeutic strategies for ketosis induction and their potential efficacy for the treatment of acute brain injury and neurodegenerative diseases. <i>Neurochemistry International</i> , 2020, 133, 104614.	1.9	30
33	NAD+ metabolism: pathophysiologic mechanisms and therapeutic potential. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 227.	7.1	386
34	Plasmalogens, platelet-activating factor and beyond â€“ Ether lipids in signaling and neurodegeneration. <i>Neurobiology of Disease</i> , 2020, 145, 105061.	2.1	76
35	Healthful aging mediated by inhibition of oxidative stress. <i>Ageing Research Reviews</i> , 2020, 64, 101194.	5.0	118
36	Metabolic Dysregulation Contributes to the Progression of Alzheimerâ€™s Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 530219.	1.4	94

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37	Status and future directions of clinical trials in Alzheimer's disease. <i>International Review of Neurobiology</i> , 2020, 154, 3-50.	0.9	29
38	Insulin resistance and bioenergetic manifestations: Targets and approaches in Alzheimer's disease. <i>Life Sciences</i> , 2020, 262, 118401.	2.0	27
39	Immunometabolism in the Brain: How Metabolism Shapes Microglial Function. <i>Trends in Neurosciences</i> , 2020, 43, 854-869.	4.2	110
40	Study of mitophagy and ATP-related metabolomics based on β -amyloid levels in Alzheimer's disease. <i>Experimental Cell Research</i> , 2020, 396, 112266.	1.2	17
41	The Role of Exosomal microRNAs and Oxidative Stress in Neurodegenerative Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	1.9	74
42	Reflections of an aging free radical. <i>Free Radical Biology and Medicine</i> , 2020, 161, 234-245.	1.3	45
43	Benfotiamine and Cognitive Decline in Alzheimer's Disease: Results of a Randomized Placebo-Controlled Phase IIa Clinical Trial. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 989-1010.	1.2	52
44	Antidiabetic Drugs in Alzheimer's Disease and Mild Cognitive Impairment: A Systematic Review. <i>Dementia and Geriatric Cognitive Disorders</i> , 2020, 49, 423-434.	0.7	34
45	Triheptanoin Mitigates Brain ATP Depletion and Mitochondrial Dysfunction in a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 425-437.	1.2	8
46	Regulation of hepatic oxidative stress by voltage-gated proton channels (Hv1/VSOP) in Kupffer cells and its potential relationship with glucose metabolism. <i>FASEB Journal</i> , 2020, 34, 15805-15821.	0.2	14
47	Detecting Oxidative Stress Biomarkers in Neurodegenerative Disease Models and Patients. <i>Methods and Protocols</i> , 2020, 3, 66.	0.9	19
48	Role of Mitochondrial Dysfunction in the Pathology of Amyloid- β . <i>Journal of Alzheimer's Disease</i> , 2020, 78, 505-514.	1.2	13
49	Oxidative Stress and Microglial Response in Retinitis Pigmentosa. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7170.	1.8	29
50	Interaction of human IAPP and A β 1-42 aggravated the AD-related pathology and impaired the cognition in mice. <i>Experimental Neurology</i> , 2020, 334, 113490.	2.0	5
51	Development of Bisindole-Substituted Aminopyrazoles as Novel GSK-3 β Inhibitors with Suppressive Effects against Microglial Inflammation and Oxidative Neurotoxicity. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3398-3408.	1.7	8
52	Human Induced Pluripotent Stem Cell-Derived Neural Cells from Alzheimer's Disease Patients Exhibited Different Susceptibility to Oxidative Stress. <i>Stem Cells and Development</i> , 2020, 29, 1444-1456.	1.1	14
53	Examination of a non-invasive biomarker for the diagnosis of prodromal Alzheimer's disease and Alzheimer's disease Dementia. <i>EBioMedicine</i> , 2020, 57, 102882.	2.7	2
54	Could Ergothioneine Aid in the Treatment of Coronavirus Patients?. <i>Antioxidants</i> , 2020, 9, 595.	2.2	45

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55	P.169 Genetic overlap between somatic insulin-related and neuro-psychiatric disorders. <i>European Neuropsychopharmacology</i> , 2020, 40, S97-S98.	0.3	0
56	Connecting the Dots: From Free Radical Lipid Autoxidation to Cell Pathology and Disease. <i>Chemical Reviews</i> , 2020, 120, 12757-12787.	23.0	61
57	Therapeutic Strategies to Target Calcium Dysregulation in Alzheimer's Disease. <i>Cells</i> , 2020, 9, 2513.	1.8	22
58	Insulin sensitivity predicts cognitive decline in individuals with prediabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001741.	1.2	42
59	p47phox deficiency improves cognitive impairment and attenuates tau hyperphosphorylation in mouse models of AD. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 146.	3.0	10
60	Metabolic and immune dysfunction of glia in neurodegenerative disorders: Focus on iPSC models. <i>Stem Cells</i> , 2021, 39, 256-265.	1.4	7
61	Danger-Sensing/Pattern Recognition Receptors and Neuroinflammation in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9036.	1.8	30
62	Molecular Level Insight Into the Benefit of Myricetin and Dihydromyricetin Uptake in Patients With Alzheimer's Diseases. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 601603.	1.7	29
63	Bioactive ROS-scavenging nanozymes for regenerative medicine: Reestablishing the antioxidant firewall. <i>Nano Select</i> , 2020, 1, 285-297.	1.9	25
64	The Multifaceted Pyruvate Metabolism: Role of the Mitochondrial Pyruvate Carrier. <i>Biomolecules</i> , 2020, 10, 1068.	1.8	65
65	Brain energy rescue: an emerging therapeutic concept for neurodegenerative disorders of ageing. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 609-633.	21.5	441
66	Antioxidant, Anti-inflammatory and Neuroprotective Profiles of Novel 1,4-Dihydropyridine Derivatives for the Treatment of Alzheimer's Disease. <i>Antioxidants</i> , 2020, 9, 650.	2.2	18
67	Human Serum Albumin-Inspired Glycopeptide-Based Multifunctional Inhibitor of Amyloid- β Toxicity. <i>ACS Omega</i> , 2020, 5, 18628-18641.	1.6	6
68	Neuroprotection Against Oxidative Stress: Phytochemicals Targeting TrkB Signaling and the Nrf2-ARE Antioxidant System. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 116.	1.4	101
69	Late-onset epilepsy and 25-year cognitive change: The Atherosclerosis Risk in Communities (ARIC) study. <i>Epilepsia</i> , 2020, 61, 1764-1773.	2.6	16
70	BVR-A Deficiency Leads to Autophagy Impairment through the Dysregulation of AMPK/mTOR Axis in the Brain: Implications for Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 671.	2.2	17
71	Omega-3 fatty acids increase OXPHOS energy for immune therapy of Alzheimer disease patients. <i>FASEB Journal</i> , 2020, 34, 9982-9994.	0.2	6
72	Guanosine Neuroprotection of Presynaptic Mitochondrial Calcium Homeostasis in a Mouse Study with Amyloid- β Oligomers. <i>Molecular Neurobiology</i> , 2020, 57, 4790-4809.	1.9	14

#	ARTICLE	IF	CITATIONS
73	NOX2 decoy peptides disrupt trauma-mediated neutrophil immunosuppression and protect against lethal peritonitis. <i>Redox Biology</i> , 2020, 36, 101651.	3.9	5
74	Protein Homeostasis Networks and the Use of Yeast to Guide Interventions in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8014.	1.8	15
75	Polymorphic Genetic Markers of the GABA Catabolism Pathway in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 301-311.	1.2	5
76	Oxidative stress markers in seizures and epilepsy: Methods and applications to models. , 2020, , 109-122.		0
77	NCX1 and EAAC1 transporters are involved in the protective action of glutamate in an in vitro Alzheimer's disease-like model. <i>Cell Calcium</i> , 2020, 91, 102268.	1.1	13
78	Metabolic determinants of leukocyte pathogenicity in neurological diseases. <i>Journal of Neurochemistry</i> , 2021, 158, 36-58.	2.1	10
79	This Is Your Brain on (Low) Glucose. <i>Trends in Neurosciences</i> , 2020, 43, 933-935.	4.2	1
80	Cerebrolysin in the therapy of mild cognitive impairment and dementia due to Alzheimer's disease: 30 years of clinical use. <i>Medicinal Research Reviews</i> , 2021, 41, 2775-2803.	5.0	39
81	Antioxidant, antiproliferative, and acetylcholinesterase inhibition activity of amino alcohol derivatives from 1,4-naphthoquinone. <i>Medicinal Chemistry Research</i> , 2020, 29, 1986-1999.	1.1	8
82	The BACH1/Nrf2 Axis in Brain in Down Syndrome and Transition to Alzheimer Disease-Like Neuropathology and Dementia. <i>Antioxidants</i> , 2020, 9, 779.	2.2	21
83	The Mitochondrial Unfolded Protein Response: A Hinge Between Healthy and Pathological Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 581849.	1.7	36
84	Î±-Lipoic Acid Maintains Brain Glucose Metabolism via BDNF/TrkB/HIF-1Î± Signaling Pathway in P301S Mice. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 262.	1.7	14
85	Mitochondrial Oxidative and Nitrosative Stress and Alzheimer Disease. <i>Antioxidants</i> , 2020, 9, 818.	2.2	42
86	Adiponectin: The Potential Regulator and Therapeutic Target of Obesity and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6419.	1.8	31
87	When It Comes to an End: Oxidative Stress Crosstalk with Protein Aggregation and Neuroinflammation Induce Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 740.	2.2	52
88	Cotinine and 6-Hydroxy-L-Nicotine Reverses Memory Deficits and Reduces Oxidative Stress in AÎ²25-35-Induced Rat Model of Alzheimer's Disease. <i>Antioxidants</i> , 2020, 9, 768.	2.2	17
89	Tyrosine Phosphorylation of the Kv2.1 Channel Contributes to Injury in Brain Ischemia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9538.	1.8	1
90	Longitudinal data in peripheral blood confirm that PM20D1 is a quantitative trait locus (QTL) for Alzheimer's disease and implicate its dynamic role in disease progression. <i>Clinical Epigenetics</i> , 2020, 12, 189.	1.8	21

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91	Insulin Resistance at the Crossroad of Alzheimer Disease Pathology: A Review. <i>Frontiers in Endocrinology</i> , 2020, 11, 560375.	1.5	39
92	Metal- and UV- Catalyzed Oxidation Results in Trapped Amyloid- β^2 Intermediates Revealing that Self-Assembly Is Required for A β^2 -Induced Cytotoxicity. <i>IScience</i> , 2020, 23, 101537.	1.9	18
93	In Vivo Imaging with Genetically Encoded Redox Biosensors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8164.	1.8	33
94	Isolation, Characterization, and Antioxidant Activity Evaluation of a Fucoïdan from an Enzymatic Digest of the Edible Seaweed, <i>Hizikia fusiforme</i> . <i>Antioxidants</i> , 2020, 9, 363.	2.2	58
95	miR-34a-5p and miR-125b-5p attenuate A β^2 -induced neurotoxicity through targeting BACE1. <i>Journal of the Neurological Sciences</i> , 2020, 413, 116793.	0.3	45
96	Biomaterials to Neuroprotect the Stroke Brain: A Large Opportunity for Narrow Time Windows. <i>Cells</i> , 2020, 9, 1074.	1.8	32
97	Role of amino acids in regulation of ROS balance in cancer. <i>Archives of Biochemistry and Biophysics</i> , 2020, 689, 108438.	1.4	11
98	Mitochondria dysfunction in the pathogenesis of Alzheimer's disease: recent advances. <i>Molecular Neurodegeneration</i> , 2020, 15, 30.	4.4	562
99	MK-8719, a Novel and Selective α -GlcNAcase Inhibitor That Reduces the Formation of Pathological Tau and Ameliorates Neurodegeneration in a Mouse Model of Tauopathy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 374, 252-263.	1.3	45
100	High glucose-induced ROS accumulation is a critical regulator of ERK1/2-Akt-tuberin-mTOR signalling in RGC-5 cells. <i>Life Sciences</i> , 2020, 256, 117914.	2.0	27
101	Rice By-products: Phytochemicals and Food Products Application. , 2020, , .		10
102	A Novel A β^2 40 Assembly at Physiological Concentration. <i>Scientific Reports</i> , 2020, 10, 9477.	1.6	6
103	Overexpression of fibroblast growth factor-21 (FGF-21) protects mesenchymal stem cells against caspase-dependent apoptosis induced by oxidative stress and inflammation. <i>Cell Biology International</i> , 2020, 44, 2163-2169.	1.4	12
104	Senescence as an Amyloid Cascade: The Amyloid Senescence Hypothesis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 129.	1.8	35
105	Clinical Experience in Treatment of Alzheimer's Disease with Jiannao Yizhi Formula (姜萼益智汤) and Routine Western Medicine. <i>Chinese Journal of Integrative Medicine</i> , 2020, 26, 212-218.	0.7	6
106	The factors contributing to cognitive dysfunction in type 2 diabetic patients. <i>Annals of Translational Medicine</i> , 2020, 8, 104-104.	0.7	17
107	Prevention of dementia in an ageing world: Evidence and biological rationale. <i>Ageing Research Reviews</i> , 2020, 64, 101045.	5.0	107
108	FSHR ablation induces depression-like behaviors. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 1033-1040.	2.8	9

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109	Microglial metabolic flexibility supports immune surveillance of the brain parenchyma. <i>Nature Communications</i> , 2020, 11, 1559.	5.8	139
110	Brain lipid peroxidation and alzheimer disease: Synergy between the Butterfield and Mattson laboratories. <i>Ageing Research Reviews</i> , 2020, 64, 101049.	5.0	45
111	The near-infrared fluorescent probes based on phenoxazine for the rapid detection of hypochlorous acid. <i>Dyes and Pigments</i> , 2020, 179, 108404.	2.0	24
112	APOE in Alzheimer's disease and neurodegeneration. <i>Neurobiology of Disease</i> , 2020, 139, 104847.	2.1	5
113	Neuroprotective and neurotoxic outcomes of androgens and estrogens in an oxidative stress environment. <i>Biology of Sex Differences</i> , 2020, 11, 12.	1.8	34
114	Oxidation-reduction mechanisms in psychiatric disorders: A novel target for pharmacological intervention. , 2020, 210, 107520.		39
115	Effects of air pollution on the nervous system and its possible role in neurodevelopmental and neurodegenerative disorders. , 2020, 210, 107523.		206
116	Oxidative-Antioxidant Imbalance and Impaired Glucose Metabolism in Schizophrenia. <i>Biomolecules</i> , 2020, 10, 384.	1.8	34
117	Early Detection and Prevention of Alzheimer's Disease: Role of Oxidative Markers and Natural Antioxidants. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 231.	1.7	37
118	Deciphering Alzheimer's disease: predicting new therapeutic strategies via improved understanding of biology and pathogenesis. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 859-868.	1.5	11
119	Kolaviron stimulates glucose uptake with concomitant modulation of metabolic activities implicated in neurodegeneration in isolated rat brain, without perturbation of tissue ultrastructural morphology. <i>Neuroscience Research</i> , 2021, 169, 57-68.	1.0	6
120	Multiple Herpes Simplex Virus-1 (HSV-1) Reactivations Induce Protein Oxidative Damage in Mouse Brain: Novel Mechanisms for Alzheimer's Disease Progression. <i>Microorganisms</i> , 2020, 8, 972.	1.6	17
121	Amino acid-based compound activates atypical PKC and leptin receptor pathways to improve glycemia and anxiety like behavior in diabetic mice. <i>Biomaterials</i> , 2020, 239, 119839.	5.7	6
122	The role of astrocytes in oxidative stress of central nervous system: A mixed blessing. <i>Cell Proliferation</i> , 2020, 53, e12781.	2.4	150
123	Chronic Oral Palmitoylethanolamide Administration Rescues Cognitive Deficit and Reduces Neuroinflammation, Oxidative Stress, and Glutamate Levels in A Transgenic Murine Model of Alzheimer's Disease. <i>Journal of Clinical Medicine</i> , 2020, 9, 428.	1.0	26
124	Synthesis and biological evaluation of isoliquiritigenin derivatives as a neuroprotective agent against glutamate mediated neurotoxicity in HT22 cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127058.	1.0	7
125	Increased miR-34c mediates synaptic deficits by targeting synaptotagmin 1 through ROS/JNK/p53 pathway in Alzheimer's Disease. <i>Aging Cell</i> , 2020, 19, e13125.	3.0	75
126	Telomerase: Key regulator of inflammation and cancer. <i>Pharmacological Research</i> , 2020, 155, 104726.	3.1	35

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127	Blood total antioxidant status is associated with cortical glucose uptake and factors related to accelerated aging. <i>Brain Structure and Function</i> , 2020, 225, 841-851.	1.2	8
128	Curcumin diminishes cisplatin-induced apoptosis and mitochondrial oxidative stress through inhibition of TRPM2 channel signaling pathway in mouse optic nerve. <i>Journal of Receptor and Signal Transduction Research</i> , 2020, 40, 97-108.	1.3	23
129	Targeting Synaptic NMDA Receptor Co-agonism as a Therapy for Alzheimer's Disease?. <i>Cell Metabolism</i> , 2020, 31, 439-440.	7.2	8
130	Apolipoprotein E and oxidative stress in brain with relevance to Alzheimer's disease. <i>Neurobiology of Disease</i> , 2020, 138, 104795.	2.1	100
131	Magnetic Resonance Texture Analysis in Alzheimer's disease. <i>Academic Radiology</i> , 2020, 27, 1774-1783.	1.3	32
132	APOE alters glucose flux through central carbon pathways in astrocytes. <i>Neurobiology of Disease</i> , 2020, 136, 104742.	2.1	61
133	Staging Alzheimer's Disease in the Brain and Retina of B6.APP/PS1 Mice by Transcriptional Profiling. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1421-1434.	1.2	12
134	Mitochondrial localization of NCXs: Balancing calcium and energy homeostasis. <i>Cell Calcium</i> , 2020, 86, 102162.	1.1	20
135	Differences Between Human and Murine Tau at the N-terminal End. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 11.	1.7	38
136	New Insights Into the Pathogenesis of Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 1312.	1.1	194
137	Interplay Between Mitochondrial Oxidative Disorders and Proteostasis in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 1444.	1.4	55
138	d-ribose and pathogenesis of Alzheimer's disease. <i>Molecular Biology Reports</i> , 2020, 47, 2289-2299.	1.0	14
139	Metabolic correlates of prevalent mild cognitive impairment and Alzheimer's disease in adults with Down syndrome. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12028.	1.2	12
140	Glucose, glycolysis, and neurodegenerative diseases. <i>Journal of Cellular Physiology</i> , 2020, 235, 7653-7662.	2.0	98
141	Sodium Butyrate Protects N2a Cells against Acetylcholinesterase Toxicity In Vitro. <i>Mediators of Inflammation</i> , 2020, 2020, 1-9.	1.4	26
142	Role of Insulin Resistance in the Alzheimer's Disease Progression. <i>Neurochemical Research</i> , 2020, 45, 1481-1491.	1.6	45
143	Challenges in Analysis of Hydrophilic Metabolites Using Chromatography Coupled with Mass Spectrometry. <i>Journal of Analysis and Testing</i> , 2020, 4, 140-162.	2.5	20
144	Urine metals concentrations and dyslexia among children in China. <i>Environment International</i> , 2020, 139, 105707.	4.8	22

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145	Camellia oil alleviates the progression of Alzheimer's disease in aluminum chloride-treated rats. <i>Free Radical Biology and Medicine</i> , 2020, 152, 411-421.	1.3	50
146	<i>Myrtus communis</i> subsp. <i>communis</i> improved cognitive functions in ovariectomized diabetic rats. <i>Gene</i> , 2020, 744, 144616.	1.0	10
147	Shenqi Yizhi granules protect hippocampus of AD transgenic mice by modulating on multiple pathological processes. <i>Journal of Ethnopharmacology</i> , 2020, 263, 112869.	2.0	9
148	Computationally Designed Sesamol Derivatives Proposed as Potent Antioxidants. <i>ACS Omega</i> , 2020, 5, 9566-9575.	1.6	21
149	Mitochondria-Targeted Therapeutics for Alzheimer's Disease: The Good, the Bad, the Potential. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 611-630.	2.5	16
150	Preventive and Therapeutic Strategies in Alzheimer's Disease: Focus on Oxidative Stress, Redox Metals, and Ferroptosis. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 591-610.	2.5	86
151	Metabolic Signatures of Life Span Regulated by Mating, Sex Peptide, and Mifepristone/RU486 in Female <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 195-204.	1.7	13
152	Chronic PERK induction promotes Alzheimer-like neuropathology in Down syndrome: Insights for therapeutic intervention. <i>Progress in Neurobiology</i> , 2021, 196, 101892.	2.8	21
153	Mapping the multicausality of Alzheimer's disease through group model building. <i>GeroScience</i> , 2021, 43, 829-843.	2.1	26
154	Decrease in sleep depth is associated with higher cerebrospinal fluid neurofilament light levels in patients with Alzheimer's disease. <i>Sleep</i> , 2021, 44, .	0.6	22
155	l-Serine links metabolism with neurotransmission. <i>Progress in Neurobiology</i> , 2021, 197, 101896.	2.8	44
156	Anti-Amnesic and Neuroprotective Effects of Fluoroethylnormemantine in a Pharmacological Mouse Model of Alzheimer's Disease. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 142-157.	1.0	8
157	Effect of Ergothioneine on 7-Ketocholesterol-Induced Endothelial Injury. <i>NeuroMolecular Medicine</i> , 2021, 23, 184-198.	1.8	35
158	Anti-A β Antibody Aducanumab Regulates the Proteome of Senile Plaques and Closely Surrounding Tissue in a Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 249-265.	1.2	27
159	Suppression of tau-induced phenotypes by vitamin E demonstrates the dissociation of oxidative stress and phosphorylation in mechanisms of tau toxicity. <i>Journal of Neurochemistry</i> , 2021, 157, 684-694.	2.1	10
160	Middle age as a turning point in mouse cerebral cortex energy and redox metabolism: Modulation by every-other-day fasting. <i>Experimental Gerontology</i> , 2021, 145, 111182.	1.2	22
161	Role of reactive oxygen species in the progression of Alzheimer's disease. <i>Drug Discovery Today</i> , 2021, 26, 794-803.	3.2	71
162	Exploring the role of mitochondrial proteins as molecular target in Alzheimer's disease. <i>Mitochondrion</i> , 2021, 56, 62-72.	1.6	15

#	ARTICLE	IF	CITATIONS
163	Inhibition of copper transporter 1 prevents α -synuclein pathology and alleviates nigrostriatal degeneration in AAV-based mouse model of Parkinson's disease. <i>Redox Biology</i> , 2021, 38, 101795.	3.9	17
164	Comparison of hyperpolarized ¹³ C and non-hyperpolarized deuterium MRI approaches for imaging cerebral glucose metabolism at 4.7 T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1795-1804.	1.9	20
165	Natural products targeting mitochondria: emerging therapeutics for age-associated neurological disorders. , 2021, 221, 107749.		29
166	Fidelity of the PINK1 knockout rat to oxidative stress and other characteristics of Parkinson disease. <i>Free Radical Biology and Medicine</i> , 2021, 163, 88-101.	1.3	9
167	In Situ Observation of Glucose Metabolism Dynamics of Endothelial Cells in Hyperglycemia with a Stretchable Biosensor: Research Tool for Bridging Diabetes and Atherosclerosis. <i>Analytical Chemistry</i> , 2021, 93, 1043-1049.	3.2	14
168	Ultraprocessed foods and cardiovascular health: it's not just about the nutrients. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 257-258.	2.2	10
169	Recognition and Removal of Amyloid β by a Heteromultivalent Macrocyclic Coassembly: A Potential Strategy for the Treatment of Alzheimer's Disease. <i>Advanced Materials</i> , 2021, 33, e2006483.	11.1	39
170	APOE4 Copy Number-Dependent Proteomic Changes in the Cerebrospinal Fluid1. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 511-530.	1.2	11
171	Glycogen Synthase Kinase β : A New Gold Rush in Anti-Alzheimer's Disease Multitarget Drug Discovery?. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 26-41.	2.9	46
172	96-Well Microtiter Plate Made of Paper: A Printed Chemosensor Array for Quantitative Detection of Saccharides. <i>Analytical Chemistry</i> , 2021, 93, 1179-1184.	3.2	40
173	Caffeic acid improves glucose utilization and maintains tissue ultrastructural morphology while modulating metabolic activities implicated in neurodegenerative disorders in isolated rat brains. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22610.	1.4	8
174	Early Mitochondrial Fragmentation and Dysfunction in a Drosophila Model for Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 143-155.	1.9	16
175	Caffeine and mitochondria with a focus on the central nervous system. , 2021, , 413-437.		0
176	Molecular mechanisms of neurodegeneration in the entorhinal cortex that underlie its selective vulnerability during the pathogenesis of Alzheimer's disease. <i>Biology Open</i> , 2021, 10, .	0.6	38
177	Screening of Synthetic Isoxazolone Derivative Role in Alzheimer's Disease: Computational and Pharmacological Approach. <i>Neurochemical Research</i> , 2021, 46, 905-920.	1.6	18
178	Glucose Protects Cochlear Hair Cells Against Oxidative Stress and Attenuates Noise-Induced Hearing Loss in Mice. <i>Neuroscience Bulletin</i> , 2021, 37, 657-668.	1.5	18
179	Acetylcholinesterase inhibitors and nanoparticles on Alzheimer's disease: a review. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	3
180	Oxidative Stress and Antioxidant Strategies in Human Diseases. , 2021, , 1-26.		0

#	ARTICLE	IF	CITATIONS
181	Fimbristylis ovata extract and its ability to encounter AGEs-induced neurotoxicity in SH-SY5Y. <i>Toxicological Research</i> , 2021, 37, 355-367.	1.1	3
182	P2X7 receptor activation aggravates NADPH oxidase 2-induced oxidative stress after intracerebral hemorrhage. <i>Neural Regeneration Research</i> , 2021, 16, 1582.	1.6	26
183	Microenvironment-tailored nanoassemblies for the diagnosis and therapy of neurodegenerative diseases. <i>Nanoscale</i> , 2021, 13, 10197-10238.	2.8	6
184	Alzheimer's disease-causing presenilin-1 mutations have deleterious effects on mitochondrial function. <i>Theranostics</i> , 2021, 11, 8855-8873.	4.6	28
185	Sulfur-containing therapeutics in the treatment of Alzheimer's disease. <i>Medicinal Chemistry Research</i> , 2021, 30, 305-352.	1.1	20
186	Blood Hemoglobin, in-vivo Alzheimer Pathologies, and Cognitive Impairment: A Cross-Sectional Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 625511.	1.7	8
187	Huanglian Jiedu decoction remodels the periphery microenvironment to inhibit Alzheimer's disease progression based on the brain-gut axis through multiple integrated omics. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 44.	3.0	33
188	KAT6A regulates stemness of aging bone marrow-derived mesenchymal stem cells through Nrf2/ARE signaling pathway. <i>Stem Cell Research and Therapy</i> , 2021, 12, 104.	2.4	16
189	Alpha-lipoic acid ameliorates tauopathy-induced oxidative stress, apoptosis, and behavioral deficits through the balance of DIAP1/DrICE ratio and redox homeostasis: Age is a determinant factor. <i>Metabolic Brain Disease</i> , 2021, 36, 669-683.	1.4	3
190	Stress Responses in Down Syndrome Neurodegeneration: State of the Art and Therapeutic Molecules. <i>Biomolecules</i> , 2021, 11, 266.	1.8	19
192	PDK4 dictates metabolic resistance to ferroptosis by suppressing pyruvate oxidation and fatty acid synthesis. <i>Cell Reports</i> , 2021, 34, 108767.	2.9	112
193	Serum Uric Acid and the Risk of Dementia: A Systematic Review and Meta-Analysis. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 625690.	1.7	23
194	Homocysteine and Gliotoxicity. <i>Neurotoxicity Research</i> , 2021, 39, 966-974.	1.3	8
195	Dissecting Sex-Related Cognition between Alzheimer's Disease and Diabetes: From Molecular Mechanisms to Potential Therapeutic Strategies. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	6
196	Increased oxidative stress and cancer biomarkers in the ventral prostate of older rats submitted to maternal malnutrition. <i>Molecular and Cellular Endocrinology</i> , 2021, 523, 111148.	1.6	17
197	Middle aged turn point in parameters of oxidative stress and glucose catabolism in mouse cerebellum during lifespan: minor effects of every-other-day fasting. <i>Biogerontology</i> , 2021, 22, 315-328.	2.0	4
198	The Role of D-Amino Acids in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 475-492.	1.2	31
199	Inhibition of Mitochondrial ATP Synthesis and Regulation of Oxidative Stress Based on $\text{SbW}_8\text{O}_{30}$ Determined by Single-Cell Proteomic Analysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8344-8351.	7.2	21

#	ARTICLE	IF	CITATIONS
200	Role of insulin receptor substance-1 modulating PI3K/Akt insulin signaling pathway in Alzheimer's disease. <i>3 Biotech</i> , 2021, 11, 179.	1.1	15
201	Role of mitophagy in mitochondrial quality control: Mechanisms and potential implications for neurodegenerative diseases. <i>Pharmacological Research</i> , 2021, 165, 105433.	3.1	23
202	Inhibition of Mitochondrial ATP Synthesis and Regulation of Oxidative Stress Based on {SbW 8 O 30 } Determined by Single-Cell Proteomics Analysis. <i>Angewandte Chemie</i> , 2021, 133, 8425-8432.	1.6	5
203	Effects of radiofrequency electromagnetic radiation emitted from a mobile phone base station on the redox homeostasis in different organs of Swiss albino mice. <i>Electromagnetic Biology and Medicine</i> , 2021, 40, 393-407.	0.7	9
204	Oxidative Stress Conditions Result in Trapping of PHF-Core Tau (297-391) Intermediates. <i>Cells</i> , 2021, 10, 703.	1.8	9
205	Rheb mediates neuronal-activity-induced mitochondrial energetics through mTORC1-independent PDH activation. <i>Developmental Cell</i> , 2021, 56, 811-825.e6.	3.1	23
206	Di-(2-ethylhexyl) phthalate-induced hepatotoxicity exacerbated type 2 diabetes mellitus (T2DM) in female pubertal T2DM mice. <i>Food and Chemical Toxicology</i> , 2021, 149, 112003.	1.8	17
207	A near-infrared fluorescent probe with large Stokes shift for visualizing and monitoring mitochondrial viscosity in live cells and inflammatory tissues. <i>Analytica Chimica Acta</i> , 2021, 1149, 338203.	2.6	30
208	Ginsenoside Rg1 alleviates A β 2 deposition by inhibiting NADPH oxidase 2 activation in APP/PS1 mice. <i>Journal of Ginseng Research</i> , 2021, 45, 665-675.	3.0	39
209	Therapies for Alzheimer's disease: a metabolic perspective. <i>Molecular Genetics and Metabolism</i> , 2021, 132, 162-172.	0.5	8
210	24(S)-Saringosterol Prevents Cognitive Decline in a Mouse Model for Alzheimer's Disease. <i>Marine Drugs</i> , 2021, 19, 190.	2.2	12
211	Insulin resistance, oxidative stress and mitochondrial defects in Ts65dn mice brain: A harmful synergistic path in down syndrome. <i>Free Radical Biology and Medicine</i> , 2021, 165, 152-170.	1.3	26
212	Pontine Arteriolosclerosis and Locus Coeruleus Oxidative Stress Differentiate Resilience from Mild Cognitive Impairment in a Clinical Pathologic Cohort. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 325-335.	0.9	7
213	Age-related alteration in HNE elimination enzymes. <i>Archives of Biochemistry and Biophysics</i> , 2021, 699, 108749.	1.4	7
214	Dynamic Interplay between Copper Toxicity and Mitochondrial Dysfunction in Alzheimer's Disease. <i>Life</i> , 2021, 11, 386.	1.1	5
215	Synthesis and bio-evaluation of new multifunctional methylindolinone-1,2,3-triazole hybrids as anti-Alzheimer's agents. <i>Journal of Molecular Structure</i> , 2021, 1229, 129828.	1.8	24
216	Phloroglucinol attenuates oligomeric amyloid beta peptide1-42-induced astrocytic activation by reducing oxidative stress. <i>Journal of Pharmacological Sciences</i> , 2021, 145, 308-312.	1.1	9
217	C-Phycocyanin-derived Phycocyanobilin as a Potential Nutraceutical Approach for Major Neurodegenerative Disorders and COVID-19- induced Damage to the Nervous System. <i>Current Neuropharmacology</i> , 2021, 19, 2250-2275.	1.4	28

#	ARTICLE	IF	CITATIONS
218	Recent advances in pre-clinical diagnosis of Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2021, , 1.	1.4	3
219	Brain cells derived from Alzheimer's disease patients have multiple specific innate abnormalities in energy metabolism. <i>Molecular Psychiatry</i> , 2021, 26, 5702-5714.	4.1	54
220	Role of Hypoxia Inducible Factor-1 α in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 949-961.	1.2	22
221	Left lateral parietal rTMS improves cognition and modulates resting brain connectivity in patients with Alzheimer's disease: Possible role of BDNF and oxidative stress. <i>Neurobiology of Learning and Memory</i> , 2021, 180, 107410.	1.0	30
222	Association between dietary diversity and cognitive impairment among the oldest-old: Findings from a nationwide cohort study. <i>Clinical Nutrition</i> , 2021, 40, 1452-1462.	2.3	31
223	Rivastigmine attenuates the Alzheimer's disease related protein degradation and apoptotic neuronal death signalling. <i>Biochemical Journal</i> , 2021, 478, 1435-1451.	1.7	18
224	Exploring the Alterations in the Distribution of Neural Network Weights in Dementia Due to Alzheimer's Disease. <i>Entropy</i> , 2021, 23, 500.	1.1	3
225	Elucidating Role of Reactive Oxygen Species (ROS) in Cisplatin Chemotherapy: A Focus on Molecular Pathways and Possible Therapeutic Strategies. <i>Molecules</i> , 2021, 26, 2382.	1.7	63
226	Mitochondrial dysfunction and potential mitochondrial protectant treatments in tendinopathy. <i>Annals of the New York Academy of Sciences</i> , 2021, 1490, 29-41.	1.8	10
227	Ganglioside GM1 Targets Astrocytes to Stimulate Cerebral Energy Metabolism. <i>Frontiers in Pharmacology</i> , 2021, 12, 653842.	1.6	16
228	Glial activation and inflammation in the NTS in a rat model after exposure to diesel exhaust particles. <i>Environmental Toxicology and Pharmacology</i> , 2021, 83, 103584.	2.0	12
229	Protective Effects of Nicotinamide Adenine Dinucleotide and Related Precursors in Alzheimer's Disease: A Systematic Review of Preclinical Studies. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 1425-1435.	1.1	11
230	Alzheimer's disease and its treatment by different approaches: A review. <i>European Journal of Medicinal Chemistry</i> , 2021, 216, 113320.	2.6	199
231	Glycolytic Metabolism, Brain Resilience, and Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 662242.	1.4	47
232	Exploration of the hepatoprotective effect and mechanism of magnesium isoglycyrrhizinate in mice with arsenic trioxide-induced acute liver injury. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	16
233	Toxicology and pharmacology of synthetic organoselenium compounds: an update. <i>Archives of Toxicology</i> , 2021, 95, 1179-1226.	1.9	125
234	Are thymol, rosefuran, terpinolene and umbelliferone good scavengers of peroxy radicals?. <i>Phytochemistry</i> , 2021, 184, 112670.	1.4	23
235	A review on α -mangostin as a potential multi-target-directed ligand for Alzheimer's disease. <i>European Journal of Pharmacology</i> , 2021, 897, 173950.	1.7	19

#	ARTICLE	IF	CITATIONS
237	Multi-enzymatic activities of ultrasmall ruthenium oxide for anti-inflammation and neuroprotection. <i>Chemical Engineering Journal</i> , 2021, 411, 128543.	6.6	32
238	The human brain acetylome reveals that decreased acetylation of mitochondrial proteins associates with Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2021, 158, 282-296.	2.1	11
239	From Hybrids to New Scaffolds: The Latest Medicinal Chemistry Goals in Multi-target Directed Ligands for Alzheimer's Disease. <i>Current Neuropharmacology</i> , 2021, 19, 832-867.	1.4	8
240	Fucoidan Extracted From Sporophyll of <i>Undaria pinnatifida</i> Grown in Weihai, China – Chemical Composition and Comparison of Antioxidant Activity of Different Molecular Weight Fractions. <i>Frontiers in Nutrition</i> , 2021, 8, 636930.	1.6	21
241	SMILE: systems metabolomics using interpretable learning and evolution. <i>BMC Bioinformatics</i> , 2021, 22, 284.	1.2	9
242	Biomimetic Dendrimer-Peptide Conjugates for Early Multi-Target Therapy of Alzheimer's Disease by Inflammatory Microenvironment Modulation. <i>Advanced Materials</i> , 2021, 33, e2100746.	11.1	50
243	Nutraceutical and therapeutic potential of Phycocyanobilin for treating Alzheimer's disease. <i>Journal of Biosciences</i> , 2021, 46, 1.	0.5	16
244	Inhibiting PI3K leads to glucose metabolism disturbance in default mode network. <i>Brain Research Bulletin</i> , 2021, 170, 218-224.	1.4	0
245	Redox Responsive Copolyoxalate Smart Polymers for Inflammation and Other Aging-Associated Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5607.	1.8	5
246	Recent Progress in the Drug Development for the Treatment of Alzheimer's Disease Especially on Inhibition of Amyloid-peptide Aggregation. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021, 21, 969-990.	1.1	6
247	NOX4 promotes ferroptosis of astrocytes by oxidative stress-induced lipid peroxidation via the impairment of mitochondrial metabolism in Alzheimer's diseases. <i>Redox Biology</i> , 2021, 41, 101947.	3.9	237
248	GLP-1 improves the supportive ability of astrocytes to neurons by promoting aerobic glycolysis in Alzheimer's disease. <i>Molecular Metabolism</i> , 2021, 47, 101180.	3.0	58
249	Physical Exercise Training Improves Judgment and Problem-Solving and Modulates Serum Biomarkers in Patients with Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 4217-4225.	1.9	16
250	Metabolomic and lipidomic changes triggered by lipopolysaccharide-induced systemic inflammation in transgenic APdE9 mice. <i>Scientific Reports</i> , 2021, 11, 13076.	1.6	7
251	mTOR in Alzheimer disease and its earlier stages: Links to oxidative damage in the progression of this dementing disorder. <i>Free Radical Biology and Medicine</i> , 2021, 169, 382-396.	1.3	58
252	An Update on the Routes for the Delivery of Donepezil. <i>Molecular Pharmaceutics</i> , 2021, 18, 2482-2494.	2.3	13
253	Differential production of interleukin-6 and tumor necrosis factor- α in primary rat astrocyte cultures using two distinct methods of microglia elimination. <i>Clinical and Experimental Neuroimmunology</i> , 2021, 12, 192-201.	0.5	1
254	Vitamin K2 Modulates Organelle Damage and Tauopathy Induced by Streptozotocin and Menadione in SH-SY5Y Cells. <i>Antioxidants</i> , 2021, 10, 983.	2.2	6

#	ARTICLE	IF	CITATIONS
255	Bridging Cyanobacteria to Neurodegenerative Diseases: A New Potential Source of Bioactive Compounds against Alzheimer's Disease. <i>Marine Drugs</i> , 2021, 19, 343.	2.2	8
256	Ergothioneine, recent developments. <i>Redox Biology</i> , 2021, 42, 101868.	3.9	85
257	SRY-Box 21 Antisense RNA 1 Knockdown Diminishes Amyloid Beta25 ³⁵ -Induced Neuronal Damage by miR-132/PI3K/AKT Pathway. <i>Neurochemical Research</i> , 2021, 46, 2376-2386.	1.6	8
258	Acrolein-conjugated proteomics in brains of adult C57BL/6 mice chronically exposed to acrolein and aged APP/PS1 transgenic AD mice. <i>Toxicology Letters</i> , 2021, 344, 11-17.	0.4	8
259	Targeting oxidative stress in disease: promise and limitations of antioxidant therapy. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 689-709.	21.5	975
260	Downregulation of glob1 suppresses pathogenesis of human neuronal tauopathies in <i>Drosophila</i> by regulating tau phosphorylation and ROS generation. <i>Neurochemistry International</i> , 2021, 146, 105040.	1.9	5
261	Brain-Specific Gene Expression and Quantitative Traits Association Analysis for Mild Cognitive Impairment. <i>Biomedicines</i> , 2021, 9, 658.	1.4	3
263	Analyzing Olfactory Neuron Precursors Non-Invasively Isolated through NADH FLIM as a Potential Tool to Study Oxidative Stress in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6311.	1.8	7
264	Cognitive Performance Trajectories Before and After Sleep Treatment Initiation in Middle-Aged and Older Adults: Results From the Health and Retirement Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, , .	1.7	2
265	Targeting whole body metabolism and mitochondrial bioenergetics in the drug development for Alzheimer's disease. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 511-531.	5.7	26
266	Protective effect of andrographolide against STZ induced Alzheimer's disease in experimental rats: possible neuromodulation and A β (1 ⁴²) analysis. <i>Inflammopharmacology</i> , 2021, 29, 1157-1168.	1.9	16
267	Decreased Glucose Metabolism and Glutamine Synthesis in the Retina of a Transgenic Mouse Model of Alzheimer's Disease. <i>Cellular and Molecular Neurobiology</i> , 2021, , 1.	1.7	4
268	Role of atmospheric particulate matter exposure in COVID-19 and other health risks in human: A review. <i>Environmental Research</i> , 2021, 198, 111281.	3.7	39
269	Hypothesis and Theory: Characterizing Abnormalities of Energy Metabolism Using a Cellular Platform as a Personalized Medicine Approach for Alzheimer's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 697578.	1.8	4
270	Stressed mitochondria: A target to intrude alzheimer's disease. <i>Mitochondrion</i> , 2021, 59, 48-57.	1.6	29
271	Hypoxia and brain aging: Neurodegeneration or neuroprotection?. <i>Ageing Research Reviews</i> , 2021, 68, 101343.	5.0	115
272	Model-based assessment of mammalian cell metabolic functionalities using omics data. <i>Cell Reports Methods</i> , 2021, 1, 100040.	1.4	25
273	Fate, cytotoxicity and cellular metabolomic impact of ingested nanoscale carbon dots using simulated digestion and a triculture small intestinal epithelial model. <i>NanoImpact</i> , 2021, 23, 100349.	2.4	10

#	ARTICLE	IF	CITATIONS
274	Bibliometric Analysis Study on the Mechanisms of Brain Energy Metabolism Disorders in Alzheimer's Disease From 2000 to 2020. <i>Frontiers in Neurology</i> , 2021, 12, 670220.	1.1	15
275	A Ferrocene-Functionalized Covalent Organic Framework for Enhancing Chemodynamic Therapy via Redox Dyshomeostasis. <i>Small</i> , 2021, 17, e2101368.	5.2	84
276	Amyloid- β precursor protein processing and oxidative stress are altered in human iPSC-derived neuron and astrocyte co-cultures carrying presenilin-1 gene mutations following spontaneous differentiation. <i>Molecular and Cellular Neurosciences</i> , 2021, 114, 103631.	1.0	9
277	Analogues of imine resveratrol alleviate oxidative stress-induced neurotoxicity in PC12 cells via activation of Nrf2. <i>FEBS Open Bio</i> , 2021, 11, 2127-2138.	1.0	2
278	Bio-Guided Fractionation of Stem Bark Extracts from <i>Phyllanthus muellarianus</i> : Identification of Phytocomponents with Anti-Cholinesterase Activity. <i>Molecules</i> , 2021, 26, 4376.	1.7	2
279	eIF2-dependent translation initiation: Memory consolidation and disruption in Alzheimer's disease. <i>Seminars in Cell and Developmental Biology</i> , 2022, 125, 101-109.	2.3	13
280	Defective Autophagy and Mitophagy in Alzheimer's Disease: Mechanisms and Translational Implications. <i>Molecular Neurobiology</i> , 2021, 58, 5289-5302.	1.9	17
281	Mutual Interactions between Brain States and Alzheimer's Disease Pathology: A Focus on Gamma and Slow Oscillations. <i>Biology</i> , 2021, 10, 707.	1.3	16
282	Shotgun lipidomics of liver and brain tissue of Alzheimer's disease model mice treated with acitretin. <i>Scientific Reports</i> , 2021, 11, 15301.	1.6	12
283	Association of Dietary Habits with Mild Cognitive Impairment among Elderly in Rural Area of North China. <i>Current Alzheimer Research</i> , 2021, 18, 256-264.	0.7	3
284	The PI3K/Akt signaling axis in Alzheimer's disease: a valuable target to stimulate or suppress?. <i>Cell Stress and Chaperones</i> , 2021, 26, 871-887.	1.2	71
286	Altered Metabolism in Alzheimer Disease Brain: Role of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 1289-1305.	2.5	39
287	Metabolic Profiling of Neocortical Tissue Discriminates Alzheimer's Disease from Mild Cognitive Impairment, High Pathology Controls, and Normal Controls. <i>Journal of Proteome Research</i> , 2021, 20, 4303-4317.	1.8	31
288	Tianma Formula Alleviates Dementia via ACER2-Mediated Sphingolipid Signaling Pathway Involving $A\beta$. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-20.	0.5	5
289	Glutathione: An Old and Small Molecule with Great Functions and New Applications in the Brain and in Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 270-292.	2.5	27
290	Early detection of redox imbalance in the APP ^{swe} /PS1 ^{dE9} mouse model of Alzheimer's disease by in vivo electron paramagnetic resonance imaging. <i>Free Radical Biology and Medicine</i> , 2021, 172, 9-18.	1.3	7
291	Defective mitophagy and synaptic degeneration in Alzheimer's disease: Focus on aging, mitochondria and synapse. <i>Free Radical Biology and Medicine</i> , 2021, 172, 652-667.	1.3	81
292	Urinary 8-OxoGsn as a Potential Indicator of Mild Cognitive Impairment in Frail Patients With Cardiovascular Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 672548.	1.7	2

#	ARTICLE	IF	CITATIONS
293	The Neuroprotective Effect of L-Carnitine against Glyceraldehyde-Induced Metabolic Impairment: Possible Implications in Alzheimer's Disease. <i>Cells</i> , 2021, 10, 2109.	1.8	9
294	Dynamic nanoassemblies for imaging and therapy of neurological disorders. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113832.	6.6	15
295	Neuroprotective Effect of Trans-Resveratrol in Mild to Moderate Alzheimer Disease: A Randomized, Double-Blind Trial. <i>Neurology and Therapy</i> , 2021, 10, 905-917.	1.4	31
296	Role of Oxidative Damage in Alzheimer's Disease and Neurodegeneration: From Pathogenic Mechanisms to Biomarker Discovery. <i>Antioxidants</i> , 2021, 10, 1353.	2.2	57
297	A novel missense variant in ACAA1 contributes to early-onset Alzheimer's disease, impairs lysosomal function, and facilitates amyloid- β^2 pathology and cognitive decline. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 325.	7.1	22
298	Combination of Lutein and DHA Alleviate H ₂ O ₂ -Induced Cytotoxicity in PC12 Cells by Regulating the MAPK Pathway. <i>Journal of Nutritional Science and Vitaminology</i> , 2021, 67, 234-242.	0.2	3
299	Amyloid- β^2 (1-42) peptide induces rapid NMDA receptor-dependent alterations at glutamatergic synapses in the entorhinal cortex. <i>Neurobiology of Aging</i> , 2021, 105, 296-309.	1.5	6
300	Muse Cells Have Higher Stress Tolerance than Adipose Stem Cells due to the Overexpression of the <i>CCNA2</i> Gene. <i>Stem Cells and Development</i> , 2021, 30, 1056-1069.	1.1	3
301	Mitochondrial dysfunction and beneficial effects of mitochondria-targeted small peptide SS-31 in Diabetes Mellitus and Alzheimer's disease. <i>Pharmacological Research</i> , 2021, 171, 105783.	3.1	32
302	Transferrin-Pep63-liposomes accelerate the clearance of A β^2 and rescue impaired synaptic plasticity in early Alzheimer's disease models. <i>Cell Death Discovery</i> , 2021, 7, 256.	2.0	13
303	Functional Metabolic Mapping Reveals Highly Active Branched-Chain Amino Acid Metabolism in Human Astrocytes, Which Is Impaired in iPSC-Derived Astrocytes in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 736580.	1.7	35
304	Whole-blood metabolomics of dementia patients reveal classes of disease-linked metabolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
305	A β^2 initiates brain hypometabolism, network dysfunction and behavioral abnormalities via NOX2-induced oxidative stress in mice. <i>Communications Biology</i> , 2021, 4, 1054.	2.0	23
307	Tail-vein injection of MSC-derived small extracellular vesicles facilitates the restoration of hippocampal neuronal morphology and function in APP / PS1 mice. <i>Cell Death Discovery</i> , 2021, 7, 230.	2.0	21
308	A novel antioxidant ergothioneine PET radioligand for in vivo imaging applications. <i>Scientific Reports</i> , 2021, 11, 18450.	1.6	4
309	Vitamin B12 impacts amyloid beta-induced proteotoxicity by regulating the methionine/S-adenosylmethionine cycle. <i>Cell Reports</i> , 2021, 36, 109753.	2.9	24
310	Intranasal 15d-PGJ2 ameliorates brain glucose hypometabolism via PPAR β^3 -dependent activation of PGC-1 α /GLUT4 signalling in APP/PS1 transgenic mice. <i>Neuropharmacology</i> , 2021, 196, 108685.	2.0	6
311	DJ-1 in neurodegenerative diseases: Pathogenesis and clinical application. <i>Progress in Neurobiology</i> , 2021, 204, 102114.	2.8	32

#	ARTICLE	IF	CITATIONS
312	The role of the immune system in Alzheimer's disease. <i>Ageing Research Reviews</i> , 2021, 70, 101409.	5.0	57
313	Oxidative Stress and Beta Amyloid in Alzheimer's Disease. Which Comes First: The Chicken or the Egg?. <i>Antioxidants</i> , 2021, 10, 1479.	2.2	64
314	Stem cells from human exfoliated deciduous teeth affect mitochondria and reverse cognitive decline in a senescence-accelerated mouse prone 8 model. <i>Cytotherapy</i> , 2022, 24, 59-71.	0.3	6
315	Mild Cognitive Impairment or Attention-Deficit/Hyperactivity Disorder in Older Adults? A Cross Sectional Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 737357.	1.3	9
316	Replenishment of TCA cycle intermediates provides photoreceptor resilience against neurodegeneration during progression of retinitis pigmentosa. <i>JCI Insight</i> , 2021, 6, .	2.3	14
317	Glucose metabolic crosstalk and regulation in brain function and diseases. <i>Progress in Neurobiology</i> , 2021, 204, 102089.	2.8	64
318	The nexus between redox state and intermediary metabolism. <i>FEBS Journal</i> , 2022, 289, 5440-5462.	2.2	7
319	Impairments in Brain Bioenergetics in Aging and Tau Pathology: A Chicken and Egg Situation?. <i>Cells</i> , 2021, 10, 2531.	1.8	11
320	Ketones: potential to achieve brain energy rescue and sustain cognitive health during ageing. <i>British Journal of Nutrition</i> , 2022, 128, 407-423.	1.2	12
321	Cerebrovascular alterations in NAFLD: Is it increasing our risk of Alzheimer's disease?. <i>Analytical Biochemistry</i> , 2022, 636, 114387.	1.1	12
322	Phytochemical profiling of <i>Blumea laciniata</i> (Roxb.) DC. and its phytopharmaceutical potential against diabetic, obesity, and Alzheimer's disease. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111859.	2.5	16
323	<i>Drosophila</i> as a model to explore secondary injury cascades after traumatic brain injury. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112079.	2.5	12
324	The beneficial effect of exercise against Alzheimer's disease may result from improved brain glucose metabolism. <i>Neuroscience Letters</i> , 2021, 763, 136182.	1.0	7
325	Bioadaptation of implants to <i>In vitro</i> and <i>In vivo</i> oxidative stress pathological conditions via nanotopography-induced FoxO1 signaling pathways to enhance Osteoimmunological regeneration. <i>Bioactive Materials</i> , 2021, 6, 3164-3176.	8.6	22
326	Healthy dietary intake moderates the effects of age on brain iron concentration and working memory performance. <i>Neurobiology of Aging</i> , 2021, 106, 183-196.	1.5	12
327	Dynamic analysis of synaptic loss and synaptic compensation in the process of associative memory ability decline in Alzheimer's disease. <i>Applied Mathematics and Computation</i> , 2021, 408, 126372.	1.4	3
328	Novel chrysin derivatives as hidden multifunctional agents for anti-Alzheimer's disease: design, synthesis and <i>in vitro</i> evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 166, 105976.	1.9	14
329	Mitochondrial-targeting nanoprodugs to mutually reinforce metabolic inhibition and autophagy for combating resistant cancer. <i>Biomaterials</i> , 2021, 278, 121168.	5.7	17

#	ARTICLE	IF	CITATIONS
330	Emerging roles of oxidative stress in brain aging and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2021, 107, 86-95.	1.5	219
331	The interplay among oxidative stress, brain insulin resistance and AMPK dysfunction contribute to neurodegeneration in type 2 diabetes and Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2021, 176, 16-33.	1.3	53
332	Peroxiredoxin 6 secreted by Schwann-like cells protects neuron against ischemic stroke in rats via PTEN/PI3K/AKT pathway. <i>Tissue and Cell</i> , 2021, 73, 101635.	1.0	3
333	Oxidative stress and mTOR in Down syndrome brain: Link to Alzheimer's dysmetabolism, neuropathology, and possible therapies. , 2022, , 75-96.		0
334	Correlation between acute brain injury and brain metabolomics in dichlorvos-poisoned broilers. <i>Journal of Hazardous Materials</i> , 2022, 422, 126849.	6.5	7
335	A novel palmitic acid hydroxy stearic acid (5 α -PAHSA) plays a neuroprotective role by inhibiting phosphorylation of the mTORC1 pathway and regulating autophagy. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 484-496.	1.9	10
336	N-acetylcysteine dose-dependently improves the analgesic effect of acetaminophen on the rat hot plate test. <i>BMC Pharmacology & Toxicology</i> , 2021, 22, 4.	1.0	13
337	Epigenetic gene expression links heart failure to memory impairment. <i>EMBO Molecular Medicine</i> , 2021, 13, e11900.	3.3	15
338	Phytonutrients and Antioxidant Properties of Rice By-products. , 2020, , 41-68.		3
339	Effects of Peroxiredoxin 2 in Neurological Disorders: A Review of its Molecular Mechanisms. <i>Neurochemical Research</i> , 2020, 45, 720-730.	1.6	20
340	The biology of ergothioneine, an antioxidant nutraceutical. <i>Nutrition Research Reviews</i> , 2020, 33, 190-217.	2.1	122
344	Metabolism: A Novel Shared Link between Diabetes Mellitus and Alzheimer's Disease. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-12.	1.0	93
345	Aging, Alzheimer's Disease and Dysfunctional Glycolysis; Similar Effects of Too Much and Too Little. , 2019, 10, 1328.		32
346	Glucose-Sparing Action of Ketones Boosts Functions Exclusive to Glucose in the Brain. <i>ENeuro</i> , 2020, 7, ENEURO.0303-20.2020.	0.9	10
347	Glucose dysregulation in pre-clinical Alzheimer's disease. <i>Aging</i> , 2019, 11, 5296-5297.	1.4	4
348	Neuroinflammation in Demyelinating Diseases: Oxidative Stress as a Modulator of Glial Cross-Talk. <i>Current Pharmaceutical Design</i> , 2020, 25, 4755-4762.	0.9	14
349	Blood-based Biomarkers of Alzheimer's Disease: The Long and Winding Road. <i>Current Pharmaceutical Design</i> , 2020, 26, 1300-1315.	0.9	15
350	Role of Oxidative Stress and Metal Toxicity in the Progression of Alzheimer's Disease. <i>Current Neuropharmacology</i> , 2020, 18, 552-562.	1.4	41

#	ARTICLE	IF	CITATIONS
351	Protection from the Pathogenesis of Neurodegenerative Disorders, including Alzheimer's Disease, Amyotrophic Lateral Sclerosis, Huntington's Disease, and Parkinson's Diseases, through the Mitigation of Reactive Oxygen Species. <i>Journal of Neuroscience and Neurological Disorders</i> , 2019, 3, 148-161.	0.1	10
352	The Effect of Endurance Training with Crocin Consumption on IGF-1 and Glycogen Expression in Rat Hippocampus Tissue of Trimethyltin-Treated Model of Alzheimer's Disease. <i>Asian Journal of Sports Medicine</i> , 2019, 10, .	0.1	6
353	Metabolic stress is a primary pathogenic event in transgenic <i>Caenorhabditis elegans</i> expressing pan-neuronal human amyloid beta. <i>ELife</i> , 2019, 8, .	2.8	55
354	Plasmalogens improve swimming performance by modulating the expression of genes involved in amino acid and lipid metabolism, oxidative stress, and ferroptosis in an Alzheimer's disease zebrafish model. <i>Food and Function</i> , 2021, 12, 12087-12097.	2.1	12
355	Impaired antioxidant KEAP1-NRF2 system in amyotrophic lateral sclerosis: NRF2 activation as a potential therapeutic strategy. <i>Molecular Neurodegeneration</i> , 2021, 16, 71.	4.4	27
356	Acupuncture therapy for Alzheimer's disease: The effectiveness and potential mechanisms. <i>Anatomical Record</i> , 2021, 304, 2397-2411.	0.8	11
357	Exercise as a model to identify microRNAs linked to human cognition: a role for microRNA-409 and microRNA-501. <i>Translational Psychiatry</i> , 2021, 11, 514.	2.4	10
359	Protective Effect of Chitosan Oligosaccharide against Hydrogen Peroxide-Mediated Oxidative Damage and Cell Apoptosis via Activating Nrf2/ARE Signaling Pathway. <i>Neurotoxicity Research</i> , 2021, 39, 1708-1720.	1.3	10
360	Enhanced Expression of microRNA-1273g-3p Contributes to Alzheimer's Disease Pathogenesis by Regulating the Expression of Mitochondrial Genes. <i>Cells</i> , 2021, 10, 2697.	1.8	10
361	In vitro Neuroprotective Potential and Lipidomics Study of Olive Leaves Extracts Enriched in Triterpenoids. <i>Frontiers in Nutrition</i> , 2021, 8, 769218.	1.6	12
362	Severe and Regionally Widespread Increases in Tissue Urea in the Human Brain Represent a Novel Finding of Pathogenic Potential in Parkinson's Disease Dementia. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 711396.	1.4	9
363	Sex differences in Alzheimer's disease: metabolic reprogramming and therapeutic intervention. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 963-979.	3.1	20
364	Disruption of Glucose Metabolism in Aged <i>Octodon degus</i> : A Sporadic Model of Alzheimer's Disease. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 733007.	1.0	2
365	Antioxidant activities of sulfated <i>Codonopsis</i> polysaccharides in acute oxidative stress. <i>Journal of Food Biochemistry</i> , 2021, 45, e13974.	1.2	12
366	Cellular and molecular influencers of neuroinflammation in Alzheimer's disease: Recent concepts & roles. <i>Neurochemistry International</i> , 2021, 151, 105212.	1.9	23
367	Methylglyoxal affects cognitive behaviour and modulates RAGE and Presenilin-1 expression in hippocampus of aged mice. <i>Food and Chemical Toxicology</i> , 2021, 158, 112608.	1.8	13
369	Special bioactive compounds and functional foods may exhibit neuroprotective effects in patients with dementia (Review). <i>Biomedical Reports</i> , 2020, 13, 1.	0.9	4
370	Underlying mechanisms for intestinal diseases arising from stress. <i>World Chinese Journal of Digestology</i> , 2020, 28, 617-627.	0.0	0

#	ARTICLE	IF	CITATIONS
371	Antioxidant, Enzyme Inhibitory and Calcium Oxalate Anti-crystallization Activities of Equisetum telmateia Ehrh.. International Journal of Secondary Metabolite, 0, , 181-191.	0.5	0
372	Disentangling Mitochondria in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 11520.	1.8	34
373	Therapeutic potential of quinazoline derivatives for Alzheimer's disease: A comprehensive review. European Journal of Medicinal Chemistry, 2022, 227, 113949.	2.6	28
374	Exercising D. melanogaster Modulates the Mitochondrial Proteome and Physiology. The Effect on Lifespan Depends upon Age and Sex. International Journal of Molecular Sciences, 2021, 22, 11606.	1.8	0
375	Comparison of the chemical constituents and anti-Alzheimer's disease effects of Uncaria rhynchophylla and Uncaria tomentosa. Chinese Medicine, 2021, 16, 110.	1.6	11
376	Isoform-Specific Effects of Apolipoprotein E on Hydrogen Peroxide-Induced Apoptosis in Human Induced Pluripotent Stem Cell (iPSC)-Derived Cortical Neurons. International Journal of Molecular Sciences, 2021, 22, 11582.	1.8	7
377	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. Ageing Research Reviews, 2021, 72, 101503.	5.0	84
378	Ubiquitin carboxyl-terminal hydrolase L-1 in brain: Focus on its oxidative/nitrosative modification and role in brains of subjects with Alzheimer disease and mild cognitive impairment. Free Radical Biology and Medicine, 2021, 177, 278-286.	1.3	12
379	Low plasma ergothioneine levels are associated with neurodegeneration and cerebrovascular disease in dementia. Free Radical Biology and Medicine, 2021, 177, 201-211.	1.3	32
380	O estresse oxidativo e a neuroinflamaç�o nas doenas neurodegenerativas: poss�vel efeito neuroprotetor da agatisflavona. Research, Society and Development, 2020, 9, e28291211061.	0.0	0
381	iPSC for modeling neurodegenerative disorders. Regenerative Therapy, 2020, 15, 332-339.	1.4	22
383	Ultrasensitive electrochemical biosensors for dopamine and cholesterol: recent advances, challenges and strategies. Chemical Communications, 2021, 57, 13084-13113.	2.2	27
385	On the propagation of the OH radical produced by Cu-amyloid beta peptide model complexes. Insight from molecular modelling. Metallomics, 2020, 12, 1765-1780.	1.0	7
387	The Use of Ginkgo Biloba L. as a Neuroprotective Agent in the Alzheimer's Disease. Frontiers in Pharmacology, 2021, 12, 775034.	1.6	35
388	Role of FoxO transcription factors in aging and age-related metabolic and neurodegenerative diseases. Cell and Bioscience, 2021, 11, 188.	2.1	44
390	The Neuropeptide Kyotorphin as a Possible Biomarker and Neuroprotective Agent in Alzheimer's Disease. Journal of Biomedical and Clinical Research, 2020, 13, 8-18.	0.1	0
391	Correlation of early cognitive dysfunction with inflammatory factors and metabolic indicators in patients with Alzheimer's disease. American Journal of Translational Research (discontinued), 2021, 13, 9208-9215.	0.0	2
392	Exposure to Air Pollution Nanoparticles: Oxidative Stress and Neuroinflammation. Journal of Biomedical Research & Environmental Sciences, 2021, 2, 964-976.	0.1	9

#	ARTICLE	IF	CITATIONS
393	Identification of Polyphenolics from <i>Loranthus globosus</i> as Potential Inhibitors of Cholinesterase and Oxidative Stress for Alzheimer's Disease Treatment. <i>BioMed Research International</i> , 2021, 2021, 1-16.	0.9	7
394	Contribution of Mitochondrial Dysfunction Combined with NLRP3 Inflammasome Activation in Selected Neurodegenerative Diseases. <i>Pharmaceuticals</i> , 2021, 14, 1221.	1.7	13
395	Identifying the Predictive Role of Oxidative Stress Genes in the Prognosis of Glioma Patients. <i>Medical Science Monitor</i> , 2021, 27, e934161.	0.5	8
396	Impact of Vitamin D3 Deficiency on Phosphatidylcholine-/Ethanolamine, Plasmalogen-, Lyso-Phosphatidylcholine-/Ethanolamine, Carnitine- and Triacyl Glyceride-Homeostasis in Neuroblastoma Cells and Murine Brain. <i>Biomolecules</i> , 2021, 11, 1699.	1.8	2
397	Cholesterol Dysmetabolism in Alzheimer's Disease: A Starring Role for Astrocytes?. <i>Antioxidants</i> , 2021, 10, 1890.	2.2	20
398	Aromatic Constituents from the Leaves of <i>Actinidia arguta</i> with Antioxidant and β -Glucosidase Inhibitory Activity. <i>Antioxidants</i> , 2021, 10, 1896.	2.2	11
399	The Emerging Scenario of the Gut-Brain Axis: The Therapeutic Actions of the New Actor Kefir against Neurodegenerative Diseases. <i>Antioxidants</i> , 2021, 10, 1845.	2.2	15
400	Association of Retinal Nerve Fiber Layer Thickness, an Index of Neurodegeneration, With Depressive Symptoms Over Time. <i>JAMA Network Open</i> , 2021, 4, e2134753.	2.8	7
401	Network medicine for disease module identification and drug repurposing with the NeDRex platform. <i>Nature Communications</i> , 2021, 12, 6848.	5.8	39
402	Ganoderic Acid A To Alleviate Neuroinflammation of Alzheimer's Disease in Mice by Regulating the Imbalance of the Th17/Tregs Axis. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 14204-14214.	2.4	21
403	A Scoping Review of Dietary Factors Conferring Risk or Protection for Cognitive Decline in APOE ϵ 4 Carriers. <i>Journal of Nutrition, Health and Aging</i> , 2021, 25, 1167-1178.	1.5	1
404	Activation of α 7 Nicotinic Acetylcholine Receptor by its Selective Agonist Improved Learning and Memory of Amyloid Precursor Protein/Presenilin 1 (APP/PS1) Mice via the Nrf2/HO-1 Pathway. <i>Medical Science Monitor</i> , 2022, 28, e933978.	0.5	3
405	Activation of Adenosine Monophosphate-Activated Protein Kinase Drives the Aerobic Glycolysis in Hippocampus for Delaying Cognitive Decline Following Electroacupuncture Treatment in APP/PS1 Mice. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 774569.	1.8	9
406	Dimethyl Fumarate is a Potential Therapeutic Option for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 443-456.	1.2	15
407	Orchestration of the circadian clock and its association with Alzheimer's disease: Role of endocannabinoid signaling. <i>Ageing Research Reviews</i> , 2022, 73, 101533.	5.0	8
408	Effect of macromolecular crowding on protein oxidation: Consequences on the rate, extent and oxidation pathways. <i>Redox Biology</i> , 2021, 48, 102202.	3.9	14
409	Tea polyphenols improve the memory in aging ovariectomized rats by regulating brain glucose metabolism in vivo and in vitro. <i>Journal of Functional Foods</i> , 2021, 87, 104856.	1.6	7
410	Synthesis, molecular modeling and cholinesterase inhibitory effects of 2-indolinone-based hydrazinecarbothioamides. <i>Future Medicinal Chemistry</i> , 2021, 13, 2133-2151.	1.1	4

#	ARTICLE	IF	CITATIONS
412	Astrocyte Circadian Timekeeping in Brain Health and Neurodegeneration. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1344, 87-110.	0.8	6
413	A partial reduction of Drp1 improves cognitive behavior and enhances mitophagy, autophagy and dendritic spines in a transgenic Tau mouse model of Alzheimer disease. <i>Human Molecular Genetics</i> , 2022, 31, 1788-1805.	1.4	22
414	Cannabinol inhibits oxytosis/ferroptosis by directly targeting mitochondria independently of cannabinoid receptors. <i>Free Radical Biology and Medicine</i> , 2022, 180, 33-51.	1.3	14
415	Î³-mangostin attenuates amyloid-Î² ₄₂ -induced neuroinflammation and oxidative stress in microglia-like BV2 cells via the mitogen-activated protein kinases signaling pathway. <i>European Journal of Pharmacology</i> , 2022, 917, 174744.	1.7	6
416	Cognitive enhancement and neuroprotective effects of OABL, a sesquiterpene lactone in 5xFAD Alzheimer's disease mice model. <i>Redox Biology</i> , 2022, 50, 102229.	3.9	41
417	Î²-Aminoisobutyric acid, L-BAIBA, protects PC12 cells from hydrogen peroxide-induced oxidative stress and apoptosis via activation of the AMPK and PI3K/Akt pathway. <i>IBRO Neuroscience Reports</i> , 2022, 12, 65-72.	0.7	11
418	Bioenergetic Impairment in the Neuro-Glia-Vascular Unit: An Emerging Physiopathology during Aging. , 2021, 12, 2080.		11
419	Sex-specific relationship between serum uric acid levels and the prevalence of large vessel occlusion in acute ischemic stroke. <i>Clinical and Experimental Hypertension</i> , 2022, 44, 154-158.	0.5	0
420	iPSC for modeling of metabolic and neurodegenerative disorders. , 2022, , 59-84.		0
421	Astrocytes as Key Regulators of Brain Energy Metabolism: New Therapeutic Perspectives. <i>Frontiers in Physiology</i> , 2021, 12, 825816.	1.3	76
422	Nacre extract from pearl oyster attenuates amyloid beta-induced memory impairment. <i>Journal of Natural Medicines</i> , 2022, 76, 419-434.	1.1	2
423	Improved synthesis of an ergothioneine PET radioligand for imaging oxidative stress in Alzheimer's disease. <i>FEBS Letters</i> , 2022, 596, 1279-1289.	1.3	6
424	Multienzymatic Antioxidant Activity of Manganese-Based Nanoparticles for Protection against Oxidative Cell Damage. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 638-648.	2.6	27
425	Accumulated ROS Activates HIF-1Î±-Induced Glycolysis and Exerts a Protective Effect on Sensory Hair Cells Against Noise-Induced Damage. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 806650.	1.6	5
427	The modulation of neuroinflammation by inducible nitric oxide synthase. <i>Journal of Cell Communication and Signaling</i> , 2022, 16, 155-158.	1.8	13
428	Western and ketogenic diets in neurological disorders: can you tell the difference?. <i>Nutrition Reviews</i> , 2022, 80, 1927-1941.	2.6	7
429	Metabolic Features of Brain Function with Relevance to Clinical Features of Alzheimer and Parkinson Diseases. <i>Molecules</i> , 2022, 27, 951.	1.7	12
430	Metabolic reprogramming in the arsenic carcinogenesis. <i>Ecotoxicology and Environmental Safety</i> , 2022, 229, 113098.	2.9	10

#	ARTICLE	IF	CITATIONS
431	ER reductive stress caused by Ero1 \pm S-nitrosation accelerates senescence. <i>Free Radical Biology and Medicine</i> , 2022, 180, 165-178.	1.3	12
432	Unifying mechanism behind the onset of acquired epilepsy. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 87-96.	4.0	17
433	An integrated bioinformatics strategy to elucidate the function of hub genes linked to Alzheimer's disease. <i>Gene Reports</i> , 2022, 26, 101534.	0.4	3
434	Adaptive Responses to Hypoxia and/or Hyperoxia in Humans. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 887-912.	2.5	51
435	Activation of GPR55 attenuates cognitive impairment, oxidative stress, neuroinflammation, and synaptic dysfunction in a streptozotocin-induced Alzheimer's mouse model. <i>Pharmacology Biochemistry and Behavior</i> , 2022, 214, 173340.	1.3	12
436	Engineering precursor supply for the high-level production of ergothioneine in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2022, 70, 129-142.	3.6	20
437	Optimization of measurement of mitochondrial electron transport activity in postmortem human brain samples and measurement of susceptibility to rotenone and 4-hydroxynonenal inhibition. <i>Redox Biology</i> , 2022, 50, 102241.	3.9	4
438	Urinary parabens and their derivatives associated with oxidative stress biomarkers in children from South and Central China: Repeated measures. <i>Science of the Total Environment</i> , 2022, 817, 152639.	3.9	8
439	A novel cell-based electrochemical biosensor based on MnO ₂ catalysis for antioxidant activity evaluation of anthocyanins. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113990.	5.3	15
440	Synthesis, bioactive properties, and biomedical applications of intrinsically therapeutic nanoparticles for disease treatment. <i>Chemical Engineering Journal</i> , 2022, 435, 134970.	6.6	66
441	HbA1c Variability and the Risk of Dementia in Patients with Diabetes: A Meta-Analysis. <i>International Journal of Clinical Practice</i> , 2022, 2022, 1-10.	0.8	8
442	Effects of transcranial magnetic stimulation on neurobiological changes in Alzheimer's disease (Review). <i>Molecular Medicine Reports</i> , 2022, 25, .	1.1	8
443	Myricetin Restores A β -Induced Mitochondrial Impairments in N2a-SW Cells. <i>ACS Chemical Neuroscience</i> , 2022, , .	1.7	6
444	Understanding Cellular Redox Homeostasis: A Challenge for Precision Medicine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 106.	1.8	51
445	A two-photon ratiometric fluorescent probe for real-time imaging and quantification of NO in neural stem cells during activation regulation. <i>Chemical Science</i> , 2022, 13, 4303-4312.	3.7	18
446	Fabrication of NiFeB flexible electrode <i>via</i> electroless deposition towards selective and sensitive detection of dopamine. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3681-3686.	2.9	3
447	Comparative Antioxidant, Anti-Acetylcholinesterase and Anti- β -Glucosidase Activities of Mediterranean <i>Salvia</i> Species. <i>Plants</i> , 2022, 11, 625.	1.6	18
448	Role of long noncoding RNA KCNQ1 overlapping transcript 1/microRNA-124-3p/BCL-2-like 11 axis in hydrogen peroxide (H ₂ O ₂)-stimulated human lens epithelial cells. <i>Bioengineered</i> , 2022, 13, 5035-5045.	1.4	2

#	ARTICLE	IF	CITATIONS
449	Oxidative Stress and Male Infertility: Evidence From a Research Perspective. <i>Frontiers in Reproductive Health</i> , 2022, 4, .	0.6	21
450	Insulinopathies of the brain? Genetic overlap between somatic insulin-related and neuropsychiatric disorders. <i>Translational Psychiatry</i> , 2022, 12, 59.	2.4	39
451	Mitochondrial ATP Synthase is a Target of Oxidative Stress in Neurodegenerative Diseases. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 854321.	1.6	15
452	An insight into prodrug strategy for the treatment of Alzheimer's disease. <i>Medicinal Chemistry Research</i> , 2022, 31, 383-399.	1.1	7
453	Major ginsenosides from <i>Panax ginseng</i> promote aerobic cellular respiration and SIRT1-mediated mitochondrial biosynthesis in cardiomyocytes and neurons. <i>Journal of Ginseng Research</i> , 2022, 46, 759-770.	3.0	6
454	Poor pulmonary function is associated with mild cognitive impairment, its progression to dementia, and brain pathologies: A community-based cohort study. <i>Alzheimer's and Dementia</i> , 2022, , .	0.4	10
455	Role of a Urinary Biomarker in the Common Mechanism of Physical Performance and Cognitive Function. <i>Frontiers in Medicine</i> , 2022, 9, 816822.	1.2	1
456	Interaction of Mitochondrial Calcium and ROS in Neurodegeneration. <i>Cells</i> , 2022, 11, 706.	1.8	54
457	A Machine Learning-Based Holistic Approach to Predict the Clinical Course of Patients within the Alzheimer's Disease Spectrum1. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 1639-1655.	1.2	7
458	Editorial: Translational Advances in Alzheimer's, Parkinson's, and Other Neurodegenerative Dementias. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 858467.	1.7	1
459	The Need to Pair Molecular Monitoring Devices with Molecular Imaging to Personalize Health. <i>Molecular Imaging and Biology</i> , 2022, , 1.	1.3	2
460	Redox signaling at the crossroads of human health and disease. <i>MedComm</i> , 2022, 3, e127.	3.1	44
461	Influence of Cerebral Glucose Metabolism by Chronic Pain-Mediated Cognitive Impairment in Adolescent Rats. <i>Molecular Neurobiology</i> , 2022, 59, 3635-3648.	1.9	5
462	Antioxidant Polymers via the Ugi Reaction for In Vivo Protection of UV-Induced Oxidative Stress. <i>Chemistry of Materials</i> , 2022, 34, 2645-2654.	3.2	9
463	SAFETY PROFILE AND PREVENTION OF COGNITIVE DEFICIT IN ALZHEIMER'S DISEASE MODEL OF GRAPHENE FAMILY NANOMATERIALS, TUCUMA OIL (<i>Astrocaryum vulgare</i>) AND ITS SYNERGISMS. <i>International Journal for Innovation Education and Research</i> , 2022, 10, 267-303.	0.0	0
464	Oxidative Stress: A Putative Link Between Lower Urinary Tract Symptoms and Aging and Major Chronic Diseases. <i>Frontiers in Medicine</i> , 2022, 9, 812967.	1.2	5
465	An in silico and in vitro integrated analysis method to reveal the curative mechanisms and pharmacodynamic substances of Bufe granule on chronic obstructive pulmonary disease. <i>Molecular Diversity</i> , 2022, , 1.	2.1	0
466	Ketotherapeutics to Rescue Brain Energy Deficits. , 2022, , 169-197.		0

#	ARTICLE	IF	CITATIONS
467	The Role of M1- and M2-Type Macrophages in Neurological and Infectious Diseases. , 0, , .		1
468	Oxidative Stress-induced Autophagy Compromises Stem Cell Viability. <i>Stem Cells</i> , 2022, 40, 468-478.	1.4	13
469	Effects of Involuntary and Voluntary Exercise in Combination with Acousto-Optic Stimulation on Adult Neurogenesis in an Alzheimer's Mouse Model. <i>Molecular Neurobiology</i> , 2022, , 1.	1.9	5
470	Brain Metabolic Alterations in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3785.	1.8	28
471	Connecting the Dots Between Hypercholesterolemia and Alzheimer's Disease: A Potential Mechanism Based on 27-Hydroxycholesterol. <i>Frontiers in Neuroscience</i> , 2022, 16, 842814.	1.4	15
472	Wasp Venom Ameliorates Scopolamine-Induced Learning and Memory Impairment in Mice. <i>Toxins</i> , 2022, 14, 256.	1.5	4
473	Oxidation and Antioxidation of Natural Products in the Model Organism <i>Caenorhabditis elegans</i> . <i>Antioxidants</i> , 2022, 11, 705.	2.2	17
474	Hitting the Bullseye: Endogenous Electrophiles Show Remarkable Nuance in Signaling Regulation. <i>Chemical Research in Toxicology</i> , 2022, 35, 1636-1648.	1.7	1
476	Oxidized phospholipids as novel mediators of neurodegeneration. <i>Trends in Neurosciences</i> , 2022, 45, 419-429.	4.2	22
477	Binaphthalene Boronic Acid Sensor for Saccharides and Fructose Determination in Beverages. <i>Analysis & Sensing</i> , 2022, 2, .	1.1	1
478	Dihuang-Yinzi Alleviates Cognition Deficits via Targeting Energy-Related Metabolism in an Alzheimer Mouse Model as Demonstrated by Integration of Metabolomics and Network Pharmacology. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 873929.	1.7	7
479	Stimuli-controllable iron oxide nanoparticle assemblies: Design, manipulation and bio-applications. <i>Journal of Controlled Release</i> , 2022, 345, 231-274.	4.8	12
480	Extracellular vesicles released after cranial radiation: An insight into an early mechanism of brain injury. <i>Brain Research</i> , 2022, 1782, 147840.	1.1	5
481	Oxysterols are potential physiological regulators of ageing. <i>Ageing Research Reviews</i> , 2022, 77, 101615.	5.0	21
482	An improved graph Laplacian regularization method for identifying biomarkers of Alzheimer's disease. <i>Journal of Theoretical Biology</i> , 2022, 543, 111121.	0.8	1
483	Pathogenesis of keratoconus: NRF2-antioxidant, extracellular matrix and cellular dysfunctions. <i>Experimental Eye Research</i> , 2022, 219, 109062.	1.2	12
484	Dual-responsive zeolitic imidazolate framework-90 for the combined detection and intracellular imaging of ATP and ROS. <i>Sensors and Actuators B: Chemical</i> , 2022, 363, 131848.	4.0	6
485	The Impact of Medium Chain and Polyunsaturated ω -3-Fatty Acids on Amyloid- β Deposition, Oxidative Stress and Metabolic Dysfunction Associated with Alzheimer's Disease. <i>Antioxidants</i> , 2021, 10, 1991.	2.2	15

#	ARTICLE	IF	CITATIONS
486	Adherence to a MIND-Like Dietary Pattern, Long-Term Exposure to Fine Particulate Matter Air Pollution, and MRI-Based Measures of Brain Volume: The Women's Health Initiative Memory Study-MRI. <i>Environmental Health Perspectives</i> , 2021, 129, 127008.	2.8	14
487	Protective effects and mechanisms of psoralidin against adriamycin-induced cardiotoxicity. <i>Journal of Advanced Research</i> , 2022, 40, 249-261.	4.4	13
488	Evaluation of hsa-let-7d-5p, hsa-let-7g-5p and hsa-miR-15b-5p plasma levels in patients with Alzheimer's disease. <i>Psychiatric Genetics</i> , 2022, 32, 25-29.	0.6	10
489	PINK1 overexpression prevents forskolin-induced tau hyperphosphorylation and oxidative stress in a rat model of Alzheimer's disease. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1916-1927.	2.8	11
490	Coconut oil as a therapeutic treatment for alzheimer's disease: a review. <i>Journal of Future Foods</i> , 2022, 2, 41-52.	2.0	18
491	Evaluation of novel multifunctional organoselenium compounds as potential cholinesterase inhibitors against Alzheimer's disease. <i>Medicinal Chemistry Research</i> , 2022, 31, 894-904.	1.1	14
492	A Flavonoid on the Brain: Quercetin as a Potential Therapeutic Agent in Central Nervous System Disorders. <i>Life</i> , 2022, 12, 591.	1.1	27
493	Potential Protein Blood-Based Biomarkers in Different Types of Dementia: A Therapeutic Overview. <i>Current Pharmaceutical Design</i> , 2022, 28, .	0.9	4
494	Glucose Metabolism, Neural Cell Senescence and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4351.	1.8	31
495	SIRT1 Is Involved in the Neuroprotection of Pterostilbene Against Amyloid β 25-35-Induced Cognitive Deficits in Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 877098.	1.6	8
497	Glucose Metabolism is a Better Marker for Predicting Clinical Alzheimer's Disease than Amyloid or Tau.. <i>Journal of Cellular Immunology</i> , 2022, 4, 15-18.	0.8	0
498	Two-photon fluorescence imaging of the cerebral peroxynitrite stress in Alzheimer's disease. <i>Chemical Communications</i> , 2022, 58, 6300-6303.	2.2	25
499	Single-cell and spatial RNA sequencing identify perturbators of microglial functions with aging. <i>Nature Aging</i> , 2022, 2, 508-525.	5.3	11
500	Inhibiting BDNF Signaling Upregulates Hippocampal H3K9me3 in a Manner Dependent On In Vitro Aging and Oxidative Stress. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	1
501	The Association Among Inflammatory Diet, Glycohemoglobin, and Cognitive Function Impairment in the Elderly: Based on the NHANES 2011-2014. <i>Journal of Alzheimer's Disease</i> , 2022, 87, 1713-1723.	1.2	10
502	Exosomes Derived From M2 Microglia Cells Attenuates Neuronal Impairment and Mitochondrial Dysfunction in Alzheimer's Disease Through the PINK1/Parkin Pathway. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 874102.	1.8	15
503	Network Pharmacology and Molecular Docking-Based Strategy to Investigate the Multitarget Mechanisms of Shenqi Yizhi Granule on Alzheimer's Disease. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-14.	0.5	2
504	Oral delivery of glutathione: antioxidant function, barriers and strategies. , 2022, 1, .		5

#	ARTICLE	IF	CITATIONS
505	Natural Bioactive Products and Alzheimer's Disease Pathology: Lessons from <i>Caenorhabditis elegans</i> Transgenic Models. <i>Diseases (Basel, Switzerland)</i> , 2022, 10, 28.	1.0	4
506	Cerebral oxygen extraction fraction (sMRI): Techniques and applications. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 575-600.	1.9	22
507	Novel and Potent Acetylcholinesterase Inhibitors for the Treatment of Alzheimer's Disease from Natural (±)-7,8-Dihydroxy-3-methyl-isochroman-4-one. <i>Molecules</i> , 2022, 27, 3090.	1.7	5
508	Does Neuroinflammation Underlie the Cognitive Changes Observed With Dietary Interventions?. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	2
509	White Matter and Alzheimer's Disease: A Bidirectional Mendelian Randomization Study. <i>Neurology and Therapy</i> , 2022, 11, 881-892.	1.4	2
510	History in Perspective: The prime pathological players and role of phytochemicals in Alzheimer's disease. <i>IBRO Neuroscience Reports</i> , 2022, 12, 377-389.	0.7	10
511	MG53 protein rejuvenates hUC-MSCs and facilitates their therapeutic effects in AD mice by activating Nrf2 signaling pathway. <i>Redox Biology</i> , 2022, 53, 102325.	3.9	16
512	Resistance to glycation in the zebra finch: Mass spectrometry-based analysis and its perspectives for evolutionary studies of aging. <i>Experimental Gerontology</i> , 2022, 164, 111811.	1.2	2
513	Cytokine profile and cholesterol levels in patients with Niemann-Pick type C disease presenting neurological symptoms: in vivo effect of miglustat and in vitro effect of N-acetylcysteine and coenzyme Q10. <i>Experimental Cell Research</i> , 2022, 416, 113175.	1.2	6
514	Mechanisms of Mitochondrial Malfunction in Alzheimer's Disease: New Therapeutic Hope. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-28.	1.9	16
515	Glial-neuron crosstalk in health and disease: A focus on metabolism, obesity, and cognitive impairment. <i>Neurobiology of Disease</i> , 2022, 170, 105766.	2.1	28
516	The amyloid precursor protein: a converging point in Alzheimer's disease. <i>Molecular Neurobiology</i> , 2022, 59, 4501-4516.	1.9	17
517	An Overview of Oxidative Stress, Neuroinflammation, and Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5938.	1.8	176
518	The Role of Sesamin in Targeting Neurodegenerative Disorders: A Systematic Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2023, 23, 756-770.	1.1	4
519	Pharmacological Activation of GPR55 Improved Cognitive Impairment Induced by Lipopolysaccharide in Mice. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1656-1669.	1.1	4
520	Oxidant-mediated modification and cross-linking of beta-2-microglobulin. <i>Free Radical Biology and Medicine</i> , 2022, 187, 59-71.	1.3	1
521	Protective effects of camellia and olive oils against cognitive impairment via gut microbiota-brain communication in rats. <i>Food and Function</i> , 2022, 13, 7168-7180.	2.1	10
522	Visualization of Hocl in Pc12 Cells and Brains of Alzheimer's Disease Models by a Two-Photon Activatable Fluorogenic Probe. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
523	Butyrylcholinesterase inhibitors as potential anti-Alzheimer's agents: an updated patent review (2018-present). <i>Expert Opinion on Therapeutic Patents</i> , 2022, 32, 913-932.	2.4	11
524	Urinary concentrations of amphenicol antibiotics in relation to biomarkers of oxidative DNA and RNA damage in school children. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 0, , 1-9.	0.9	1
525	Gao-Zi-Yao improves learning and memory function in old spontaneous hypertensive rats. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, .	1.2	1
526	Altered Blood and Brain Expression of Inflammation and Redox Genes in Alzheimer's Disease, Common to APPV717I Å— TAUP301L Mice and Patients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5799.	1.8	0
529	Ergothioneine, where are we now?. <i>FEBS Letters</i> , 2022, 596, 1227-1230.	1.3	9
530	Water Promoted One Pot Synthesis of Sesamol Derivatives as Potent Antioxidants: DFT, Molecular Docking, SAR and Single Crystal Studies. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 4070-4083.	1.4	5
531	High frequency repetitive transcranial magnetic stimulation alleviates cognitive deficits in 3xTg-AD mice by modulating the PI3K/Akt/GLT-1 axis. <i>Redox Biology</i> , 2022, 54, 102354.	3.9	22
532	L-Selenocystine induce HepG2 cells apoptosis through ROS-mediated signaling pathways. <i>Biocell</i> , 2022, 46, 2267-2273.	0.4	0
533	Metabolic Reprogramming of Microglia Enhances Proinflammatory Cytokine Release through EphA2/p38 MAPK Pathway in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 88, 771-785.	1.2	8
534	Hyperglycaemic Metabolic Complications of Ischemic Brain: Current Therapeutics, Anti-Diabetics and Stem Cell Therapy. <i>CNS and Neurological Disorders - Drug Targets</i> , 2023, 22, 832-856.	0.8	0
535	Novel Compound Polysaccharides from Chinese Herbal Medicines: Purification, Characterization, and Antioxidant Activities. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-10.	1.9	0
536	Carbohydrate-derived bicyclic selenazolines as new dual inhibitors (cholinesterases/OGA) against Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2022, 127, 105983.	2.0	5
537	Longitudinal Consumption of Ergothioneine Reduces Oxidative Stress and Amyloid Plaques and Restores Glucose Metabolism in the 5XFAD Mouse Model of Alzheimer's Disease. <i>Pharmaceuticals</i> , 2022, 15, 742.	1.7	16
539	Assessment of Neurodegenerative Changes in Turkeys Fed Diets with Different Proportions of Arginine and Methionine Relative to Lysine. <i>Animals</i> , 2022, 12, 1535.	1.0	4
540	Inter-organellar Communication in Parkinson's and Alzheimer's Disease: Looking Beyond Endoplasmic Reticulum-Mitochondria Contact Sites. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	10
541	Extracellular Vesicles and Cancer Therapy: Insights into the Role of Oxidative Stress. <i>Antioxidants</i> , 2022, 11, 1194.	2.2	10
542	Therapeutic nanotechnologies for Alzheimer's disease: A critical analysis of recent trends and findings. <i>Advanced Drug Delivery Reviews</i> , 2022, 187, 114397.	6.6	11
543	The Role of Mesenchymal Stem Cells in Regulating Astrocytes-Related Synapse Dysfunction in Early Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4

#	ARTICLE	IF	CITATIONS
544	Quantitative kinetic modelling and mapping of cerebral glucose transport and metabolism using glucoCESL MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 2066-2079.	2.4	1
545	Neuroprotective Mechanisms of Puerarin in Central Nervous System Diseases: Update. , 2022, 13, 1092.		14
546	<i>Astragalus mongholicus</i> Bunge (Fabaceae): Bioactive Compounds and Potential Therapeutic Mechanisms Against Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	6
547	Deconvoluting the Complexity of Reactive Oxygen Species (ROS) in Neurodegenerative Diseases. <i>Frontiers in Neuroanatomy</i> , 0, 16, .	0.9	19
548	Intranasal Delivery of BACE1 siRNA and Rapamycin by Dual Targets Modified Nanoparticles for Alzheimer's Disease Therapy. <i>Small</i> , 2022, 18, .	5.2	30
549	Anticancer Potential of Cinnamon Bark Extract (<i>Cinnamomum burmanii</i>) with Cisplatin Combination against P-glycoprotein and Apoptotic Influx Biomarkers. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2022, 10, 958-964.	0.1	0
550	Rationally Designed Molecules Synergistically Modulate Multifaceted A β Toxicity, Microglial Activation, and Neuroinflammation. <i>ACS Chemical Neuroscience</i> , 2022, 13, 2209-2221.	1.7	8
552	<i>Asafoetida</i> exerts neuroprotective effect on oxidative stress induced apoptosis through PI3K/Akt/GSK3 β /Nrf2/HO-1 pathway. <i>Chinese Medicine</i> , 2022, 17, .	1.6	9
553	An Activity-Based Fluorescent Probe for Imaging Fluctuations of Peroxynitrite (ONOO ⁻) in the Alzheimer's Disease Brain. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
554	An Activity-Based Fluorescent Probe for Imaging Fluctuations of Peroxynitrite (ONOO ⁻) in the Alzheimer's Disease Brain. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	65
555	Dysfunctional gene splicing in glucose metabolism may contribute to alzheimer's disease. <i>Chinese Medical Journal</i> , 0, Publish Ahead of Print, .	0.9	0
556	Longitudinal changes in brain oxygen extraction fraction (OEF) in older adults: Relationship to markers of vascular and Alzheimer's pathology. <i>Alzheimer's and Dementia</i> , 2023, 19, 569-577.	0.4	8
557	The association of serum uric acid with cognitive impairment and ATN biomarkers. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
558	HEBP1 - An early trigger for neuronal cell death and circuit dysfunction in Alzheimer's disease. <i>Seminars in Cell and Developmental Biology</i> , 2023, 139, 102-110.	2.3	6
559	Stress level of glucocorticoid exacerbates neuronal damage and A β production through activating NLRP1 inflammasome in primary cultured hippocampal neurons of APP-PS1 mice. <i>International Immunopharmacology</i> , 2022, 110, 108972.	1.7	9
560	Tea Polyphenols as Prospective Natural Attenuators of Brain Aging. <i>Nutrients</i> , 2022, 14, 3012.	1.7	11
561	Reduced Hippocampal and Anterior Cingulate Expression of Antioxidant Enzymes and Membrane Progesterone Receptors in Alzheimer's Disease with Depression. <i>Journal of Alzheimer's Disease</i> , 2022, 89, 309-321.	1.2	2
562	<i>Moringa oleifera</i> Leaf Extract Protects C2C12 Myotubes against H ₂ O ₂ -Induced Oxidative Stress. <i>Antioxidants</i> , 2022, 11, 1435.	2.2	15

#	ARTICLE	IF	CITATIONS
563	Bioinformatics-Based Approach for Exploring the Immune Cell Infiltration Patterns in Alzheimer's Disease and Determining the Intervention Mechanism of Liuwei Dihuang Pill. Dose-Response, 2022, 20, 155932582211155.	0.7	1
564	Early alterations in brain glucose metabolism and vascular function in a transgenic rat model of Alzheimer's disease. Progress in Neurobiology, 2022, 217, 102327.	2.8	8
565	Hallmarks of neurodegenerative disease: A systems pharmacology perspective. CPT: Pharmacometrics and Systems Pharmacology, 2022, 11, 1399-1429.	1.3	15
566	The Hidden Notes of Redox Balance in Neurodegenerative Diseases. Antioxidants, 2022, 11, 1456.	2.2	4
567	Role of Glycolysis/Gluconeogenesis and HIF-1 Signaling Pathways in Rats with Dental Fluorosis Integrated Proteomics and Metabolomics Analysis. International Journal of Molecular Sciences, 2022, 23, 8266.	1.8	2
568	Engineered 4-OI-loaded exosomes guide M/Ms glycolysis against ischemic stroke in aged rats. Materials and Design, 2022, 221, 110943.	3.3	1
569	Investigation of coenzyme Q10 status, serum amyloid- β , and tau protein in patients with dementia. Frontiers in Aging Neuroscience, 0, 14, .	1.7	5
570	Whole-transcriptome sequencing identifies neuroinflammation, metabolism and blood-brain barrier related processes in the hippocampus of aged mice during perioperative period. CNS Neuroscience and Therapeutics, 2022, 28, 1576-1595.	1.9	12
571	Oxidative Stress: Glutathione and Its Potential to Protect Methionine-35 of A β Peptide from Oxidation. ACS Omega, 2022, 7, 27052-27061.	1.6	19
572	Therapeutic effects of total saikosaponins from Radix bupleuri against Alzheimer's disease. Frontiers in Pharmacology, 0, 13, .	1.6	1
573	Exploring links between α -oxoglutarate-dependent oxygenases and Alzheimer's disease. Alzheimer's and Dementia, 2022, 18, 2637-2668.	0.4	5
574	[18 F]ROTrace detects oxidative stress in vivo and predicts progression of Alzheimer's disease pathology in APP/PS1 mice. EJNMMI Research, 2022, 12, .	1.1	3
575	Association of Body Mass Index and Plant-Based Diet with Cognitive Impairment among Older Chinese Adults: A Prospective, Nationwide Cohort Study. Nutrients, 2022, 14, 3132.	1.7	16
576	New Insights into the Molecular Interplay between Human Herpesviruses and Alzheimer's Disease: A Narrative Review. Brain Sciences, 2022, 12, 1010.	1.1	6
577	The role of oxidative stress in the development of Alzheimer's disease. Nevrologiya, Neiropsikhiatriya, Psikhosomatika, 2022, 14, 68-74.	0.2	1
578	The Association of Serum Uric Acid Level, Gout, and Alzheimer's Disease: A Bidirectional Mendelian Randomization Study. Journal of Alzheimer's Disease, 2022, 89, 1063-1073.	1.2	2
579	In Alzheimer-prone brain regions, metabolism and risk-gene expression are strongly correlated. Brain Communications, 2022, 4, .	1.5	10
580	Exosome mediated Tom40 delivery protects against hydrogen peroxide-induced oxidative stress by regulating mitochondrial function. PLoS ONE, 2022, 17, e0272511.	1.1	6

#	ARTICLE	IF	CITATIONS
581	Plasma metabolomic profiles of dementia: a prospective study of 110,655 participants in the UK Biobank. <i>BMC Medicine</i> , 2022, 20, .	2.3	15
582	Acidic oligosaccharide sugar chain combined with hyperbaric oxygen delays D-galactose-induced brain senescence in mice via attenuating oxidative stress and neuroinflammation. <i>Neuroscience Research</i> , 2022, 185, 40-48.	1.0	3
583	P301Sâ€hTau acetylates KEAP1 to trigger synaptic toxicity via inhibiting NRF2/ARE pathway: A novel mechanism underlying hTauâ€induced synaptic toxicities. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	7
585	Serotonin 5-HT ₆ Receptor Ligands and Butyrylcholinesterase Inhibitors Displaying Antioxidant Activityâ€”Design, Synthesis and Biological Evaluation of Multifunctional Agents against Alzheimerâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9443.	1.8	2
586	The protective effects of dietary polyphenols on Alzheimer's disease. <i>Analecta Technica Szegedinensia</i> , 2022, 16, 14-26.	0.2	0
587	Energy crisis links to autophagy and ferroptosis in Alzheimerâ€™s disease: current evidence and future avenues. <i>Current Neuropharmacology</i> , 2022, 20, .	1.4	2
588	Alzheimerâ€™s disease classification based on graph kernel SVMs constructed with 3D texture features extracted from MR images. <i>Expert Systems With Applications</i> , 2023, 211, 118633.	4.4	11
589	Neuropathologic Changes Provide Insights into Key Mechanisms of Alzheimer Disease and Related Dementia. <i>American Journal of Pathology</i> , 2022, 192, 1340-1346.	1.9	15
590	Dityrosine Cross-links are Present in Alzheimerâ€™s Disease-derived Tau Oligomers and Paired Helical Filaments (PHF) which Promotes the Stability of the PHF-core Tau (297â€“391) In Vitro. <i>Journal of Molecular Biology</i> , 2022, 434, 167785.	2.0	6
591	Simultaneous Sensing of H ₂ S and ATP with a Two-Photon Fluorescent Probe in Alzheimerâ€™s Disease: toward Understanding Why H ₂ S Regulates Glutamate-Induced ATP Dysregulation. <i>Analytical Chemistry</i> , 2022, 94, 11573-11581.	3.2	23
592	Biomarker and therapeutic potential of peripheral extracellular vesicles in Alzheimerâ€™s disease. <i>Advanced Drug Delivery Reviews</i> , 2022, 190, 114486.	6.6	14
593	Neurodegeneration and regeneration: Antioxidants and redox signaling. <i>Free Radical Biology and Medicine</i> , 2022, 189, 154-156.	1.3	1
595	Widespread cell stress and mitochondrial dysfunction occur in patients with early Alzheimerâ€™s disease. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	24
596	Development of Iron Nanoparticles (FeNPs) Using Biomass of Enterobacter: Its Characterization, Antimicrobial, Anti-Alzheimerâ€™s, and Enzyme Inhibition Potential. <i>Micromachines</i> , 2022, 13, 1259.	1.4	18
597	Liraglutide reduces oxidative stress and improves energy metabolism in methylglyoxal-induced SH-SY5Y cells. <i>NeuroToxicology</i> , 2022, 92, 166-179.	1.4	4
598	Astrocyte energy and neurotransmitter metabolism in Alzheimerâ€™s disease: Integration of the glutamate/GABA-glutamine cycle. <i>Progress in Neurobiology</i> , 2022, 217, 102331.	2.8	69
599	Novel organoselenium-based N-mealanilic acid and its zinc (II) chelate: Catalytic, anticancer, antimicrobial, antioxidant, and computational assessments. <i>Journal of Molecular Liquids</i> , 2022, 363, 119907.	2.3	15
600	Redefining oxidative stress in Alzheimer's disease: Targeting platelet reactive oxygen species for novel therapeutic options. <i>Life Sciences</i> , 2022, 306, 120855.	2.0	21

#	ARTICLE	IF	CITATIONS
601	Chronic exposure to realistic concentrations of metformin prompts a neurotoxic response in Danio rerio adults. <i>Science of the Total Environment</i> , 2022, 849, 157888.	3.9	11
602	Advances in polysaccharides of natural source of the anti-Alzheimer's disease effect and mechanism. <i>Carbohydrate Polymers</i> , 2022, 296, 119961.	5.1	15
603	The reactivity of copper complexes with neuronal peptides promoted by catecholamines and its impact on neurodegeneration. <i>Coordination Chemistry Reviews</i> , 2022, 471, 214756.	9.5	8
604	Virtual screening and molecular dynamic study of potential new binders to mTOR. <i>Journal of Molecular Modeling</i> , 2022, 28, .	0.8	1
605	Insulin and serine metabolism as sex-specific hallmarks of Alzheimer's disease in the human hippocampus. <i>Cell Reports</i> , 2022, 40, 111271.	2.9	19
606	Association between urate-lowering therapies and cognitive decline in community-dwelling older adults. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
607	Targeting the liver in dementia and cognitive impairment: Dietary macronutrients and diabetic therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2022, 190, 114537.	6.6	8
608	Design, synthesis, and biological evaluation of aromatic tertiary amine derivatives as selective butyrylcholinesterase inhibitors for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2022, 243, 114729.	2.6	7
609	Altered O-GlcNAcylation and mitochondrial dysfunction, a molecular link between brain glucose dysregulation and sporadic Alzheimer's disease. <i>Neural Regeneration Research</i> , 2023, 18, 779.	1.6	8
610	Antiinflammatory therapy as a game-changer toward antiaging. , 2022, , 325-351.		0
611	Impaired autophagy in amyloid-beta pathology: A traditional review of recent Alzheimer's research. <i>Journal of Biomedical Research</i> , 2023, 37, 30.	0.7	2
612	Visualization of HOCl in the brains of Alzheimer's disease models using an easily available two-photon fluorogenic probe. <i>Journal of Materials Chemistry B</i> , 2022, 10, 8744-8749.	2.9	3
613	Integrated analysis and identification of hub genes as novel biomarkers for Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	5
614	<i>Bifidobacterium breve</i> MCC1274 Supplementation Increased the Plasma Levels of Metabolites with Potential Anti-Oxidative Activity in APP Knock-In Mice. <i>Journal of Alzheimer's Disease</i> , 2022, 89, 1413-1425.	1.2	7
615	Low Plasma Ergothioneine Predicts Cognitive and Functional Decline in an Elderly Cohort Attending Memory Clinics. <i>Antioxidants</i> , 2022, 11, 1717.	2.2	15
616	Reduced Nucleotides, Thiols and O ₂ in Cellular Redox Balance: A Biochemist's View. <i>Antioxidants</i> , 2022, 11, 1877.	2.2	2
617	<i>Zingiber officinale</i> and <i>Vernonia amygdalina</i> Infusions Improve Redox Status in Rat Brain. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-9.	0.5	1
618	Targeting Novel microRNAs in Developing Novel Alzheimer's Disease Treatments. <i>Neurochemical Research</i> , 2023, 48, 26-38.	1.6	5

#	ARTICLE	IF	CITATIONS
619	Ginsenoside and Its Therapeutic Potential for Cognitive Impairment. <i>Biomolecules</i> , 2022, 12, 1310.	1.8	18
620	A new K ⁺ channel-independent mechanism is involved in the antioxidant effect of XE-991 in an in vitro model of glucose metabolism impairment: implications for Alzheimer's disease. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	3
621	Multi-Target Mechanisms of Phytochemicals in Alzheimer's Disease: Effects on Oxidative Stress, Neuroinflammation and Protein Aggregation. <i>Journal of Personalized Medicine</i> , 2022, 12, 1515.	1.1	17
622	Allergic Diseases and Risk of Incident Dementia and Alzheimer's Disease. <i>Annals of Neurology</i> , 2023, 93, 384-397.	2.8	5
623	The Therapeutic Potential of Mitochondria Transplantation Therapy in Neurodegenerative and Neurovascular Disorders. <i>Current Neuropharmacology</i> , 2023, 21, 1100-1116.	1.4	5
625	Blood-brain barrier permeable benzylpiperidine-linked benzylamino benzamides as dual cholinesterase inhibitors. <i>Drug Development Research</i> , 2022, 83, 1791-1802.	1.4	3
626	Glial Cell-Mediated Neuroinflammation in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10572.	1.8	27
627	Efficacy and safety of 3-n-butylphthalide for the treatment of cognitive impairment: A systematic review and meta-analysis. <i>CNS Neuroscience and Therapeutics</i> , 2022, 28, 1706-1717.	1.9	7
628	BACE1 Aptamer-Modified Tetrahedral Framework Nucleic Acid to Treat Alzheimer's Disease in an APP-PS1 Animal Model. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 44228-44238.	4.0	8
629	Aberrant energy metabolism in Alzheimer's disease. <i>Journal of Translational Internal Medicine</i> , 2022, 10, 197-206.	1.0	12
630	The COVID-19 pandemic and Alzheimer's disease: mutual risks and mechanisms. <i>Translational Neurodegeneration</i> , 2022, 11, .	3.6	25
631	Preparation of liposomes by glycolipids/phospholipids as wall materials: Studies on stability and digestibility. <i>Food Chemistry</i> , 2023, 402, 134328.	4.2	5
632	Computational design of rasagiline derivatives: Searching for enhanced antioxidant capability. <i>International Journal of Quantum Chemistry</i> , 2023, 123, .	1.0	1
633	Diabetes and dementia: Clinical perspective, innovation, knowledge gaps. <i>Journal of Diabetes and Its Complications</i> , 2022, , 108333.	1.2	8
634	Engineered Extracellular Vesicles with SHP2 High Expression Promote Mitophagy for Alzheimer's Disease Treatment. <i>Advanced Materials</i> , 2022, 34, .	11.1	40
635	Microglial hexokinase 2 deficiency increases ATP generation through lipid metabolism leading to A β clearance. <i>Nature Metabolism</i> , 2022, 4, 1287-1305.	5.1	31
636	High cortical iron is associated with the disruption of white matter tracts supporting cognitive function in healthy older adults. <i>Cerebral Cortex</i> , 2023, 33, 4815-4828.	1.6	3
637	Altered glucose metabolism in Alzheimer's disease: Role of mitochondrial dysfunction and oxidative stress. <i>Free Radical Biology and Medicine</i> , 2022, 193, 134-157.	1.3	46

#	ARTICLE	IF	CITATIONS
638	Fucoidan ameliorates LPS-induced neuronal cell damage and cognitive impairment in mice. <i>International Journal of Biological Macromolecules</i> , 2022, 222, 759-771.	3.6	7
639	Protection against H ₂ O ₂ -evoked toxicity in HT22 hippocampal neuronal cells by geissoschizine methyl ether via inhibiting ERK pathway. <i>Translational Neuroscience</i> , 2022, 13, 369-378.	0.7	0
640	Vascular and Nonvascular Mechanisms of Cognitive Impairment and Dementia. <i>Clinics in Geriatric Medicine</i> , 2023, 39, 109-122.	1.0	8
641	The link between cognition and somatic conditions related to insulin resistance in the UK Biobank study cohort: a systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 143, 104927.	2.9	12
642	Targeting Alzheimer's Disease: The Critical Crosstalk between the Liver and Brain. <i>Nutrients</i> , 2022, 14, 4298.	1.7	13
643	Increasing brain glucose metabolism by ligustrazine piperazine ameliorates cognitive deficits through PPAR β -dependent enhancement of mitophagy in APP/PS1 mice. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	6
644	Protective effects and mechanism of puerarin targeting PI3K/Akt signal pathway on neurological diseases. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	8
645	The Link between Oxidative Stress, Mitochondrial Dysfunction and Neuroinflammation in the Pathophysiology of Alzheimer's Disease: Therapeutic Implications and Future Perspectives. <i>Antioxidants</i> , 2022, 11, 2167.	2.2	17
646	Protective Effect of Ergothioneine Against Stroke in Rodent Models. <i>NeuroMolecular Medicine</i> , 2023, 25, 205-216.	1.8	3
647	Role of AMPK in Myocardial Ischemia-Reperfusion Injury-Induced Cell Death in the Presence and Absence of Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	1.9	5
648	Methionine Restriction Improves Cognitive Ability by Alleviating Hippocampal Neuronal Apoptosis through H19 in Middle-Aged Insulin-Resistant Mice. <i>Nutrients</i> , 2022, 14, 4503.	1.7	4
649	A Hydroxytrycanypyrrole-Based Fluorescent Probe for Sensitive and Selective Detection of Hypochlorous Acid. <i>Molecules</i> , 2022, 27, 7237.	1.7	4
650	Lower brain glucose metabolism in normal ageing is predominantly frontal and temporal: A systematic review and pooled effect size and activation likelihood estimates meta-analysis. <i>Human Brain Mapping</i> , 2023, 44, 1251-1277.	1.9	9
651	The significance of glycolysis index and its correlations with immune infiltrates in Alzheimer's disease. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
652	Anti-aging trait of whey protein against brain damage of senile rats. , 2022, 8, 8-20.		17
653	Glial Glutamine Homeostasis in Health and Disease. <i>Neurochemical Research</i> , 2023, 48, 1100-1128.	1.6	18
654	N-Hydroxy-N-Propargylamide Derivatives of Ferulic Acid: Inhibitors of Cholinesterases and Monoamine Oxidases. <i>Molecules</i> , 2022, 27, 7437.	1.7	3
655	Enzyme powered self-assembly of hydrogel biosensor for colorimetric detection of metabolites. <i>Sensors and Actuators B: Chemical</i> , 2023, 375, 132942.	4.0	7

#	ARTICLE	IF	CITATIONS
656	Ergothioneine and its prospects as an anti-ageing compound. <i>Experimental Gerontology</i> , 2022, 170, 111982.	1.2	15
657	Spatial transcriptomics shows moxibustion promotes hippocampus astrocyte and neuron interaction. <i>Life Sciences</i> , 2022, 310, 121052.	2.0	2
658	Molecular hydrogen therapy for neurological diseases: a review of current evidence. <i>Medical Gas Research</i> , 2023, 13, 94.	1.2	9
659	Hawthorn flavonoid ameliorates cognitive deficit in mice with Alzheimer's disease by increasing the levels of <i>Bifidobacteriales</i> in gut microbiota and docosapentaenoic acid in serum metabolites. <i>Food and Function</i> , 2022, 13, 12371-12382.	2.1	2
660	The relationships between neuroglial and neuronal changes in Alzheimer's disease, and the related controversies II: gliotherapies and multimodal therapy. <i>Journal of Central Nervous System Disease</i> , 2022, 14, 117957352211238.	0.7	0
661	Neuropharmacological interventions of quercetin and its derivatives in neurological and psychological disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 144, 104955.	2.9	8
662	Nutritional intervention for diabetes mellitus with Alzheimer's disease. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	2
663	Linking the Amyloid, Tau, and Mitochondrial Hypotheses of Alzheimer's Disease and Identifying Promising Drug Targets. <i>Biomolecules</i> , 2022, 12, 1676.	1.8	24
664	The mechanism and efficacy of GLP-1 receptor agonists in the treatment of Alzheimer's disease. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	7
665	Stepping Further from Coupling Tools: Development of Functional Polymers via the Biginelli Reaction. <i>Molecules</i> , 2022, 27, 7886.	1.7	3
666	Green Synthesis and Characterization of Silver Nanoparticles Using <i>Myrsine africana</i> Leaf Extract for Their Antibacterial, Antioxidant and Phytotoxic Activities. <i>Molecules</i> , 2022, 27, 7612.	1.7	13
667	Polyunsaturated Fatty Acids Mend Macrophage Transcriptome, Glycome, and Phenotype in the Patients with Neurodegenerative Diseases, Including Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2023, 91, 245-261.	1.2	1
668	CSF proteome profiling across the Alzheimer's disease spectrum reflects the multifactorial nature of the disease and identifies specific biomarker panels. <i>Nature Aging</i> , 2022, 2, 1040-1053.	5.3	21
669	Systemic and brain delivery of antidiabetic peptides through nasal administration using cell-penetrating peptides. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	6
670	Whole Body Vibration: A Valid Alternative Strategy to Exercise?. <i>Journal of Functional Morphology and Kinesiology</i> , 2022, 7, 99.	1.1	13
671	Wearable chemical sensors for biomarker discovery in the omics era. <i>Nature Reviews Chemistry</i> , 2022, 6, 899-915.	13.8	136
672	Mito-TEMPO, a Mitochondria-Targeted Antioxidant, Improves Cognitive Dysfunction due to Hypoglycemia: an Association with Reduced Pericyte Loss and Blood-Brain Barrier Leakage. <i>Molecular Neurobiology</i> , 2023, 60, 672-686.	1.9	4
673	The alternative proteome in neurobiology. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	3

#	ARTICLE	IF	CITATIONS
674	Multiple Actions of H ₂ S-Releasing Peptides in Human β -Amyloid Expressing <i>C. elegans</i> . ACS Chemical Neuroscience, 2022, 13, 3378-3388.	1.7	6
675	Potential therapeutic use of plant flavonoids in AD and PD. Heliyon, 2022, 8, e11440.	1.4	11
677	Reactive oxygen species (ROS), oxygen radicals and antioxidants: Where are we now, where is the field going and where should we go?. Biochemical and Biophysical Research Communications, 2022, 633, 17-19.	1.0	20
678	Current understanding of metal-dependent amyloid- β aggregation and toxicity. RSC Chemical Biology, 2023, 4, 121-131.	2.0	7
679	Cerebrospinal fluid glucose is not altered in patients with dementia. Clinical Biochemistry, 2023, 112, 1-5.	0.8	0
680	Mechanistic insights on anserine hydrolyzing activities of human carnosinases. Biochimica Et Biophysica Acta - General Subjects, 2023, 1867, 130290.	1.1	1
681	A Review of the Recent Advances in Alzheimer's Disease Research and the Utilization of Network Biology Approaches for Prioritizing Diagnostics and Therapeutics. Diagnostics, 2022, 12, 2975.	1.3	5
682	A Purine Derivative Containing an Organoselenium Group Protects Against Memory Impairment, Sensitivity to Nociception, Oxidative Damage, and Neuroinflammation in a Mouse Model of Alzheimer's Disease. Molecular Neurobiology, 2023, 60, 1214-1231.	1.9	3
683	Promoting Endogenous Neurogenesis as a Treatment for Alzheimer's Disease. Molecular Neurobiology, 2023, 60, 1353-1368.	1.9	1
684	In vivo methods for imaging blood-brain barrier function and dysfunction. European Journal of Nuclear Medicine and Molecular Imaging, 2023, 50, 1051-1083.	3.3	14
685	Editorial: Biomarkers to disentangle the physiological from pathological brain aging, volume II. Frontiers in Aging Neuroscience, 0, 14, .	1.7	0
687	Insight into the role of adult hippocampal neurogenesis in aging and Alzheimer's disease. Ageing Research Reviews, 2023, 84, 101828.	5.0	10
688	Guanosine Prevents Spatial Memory Impairment and Hippocampal Damage Following Amyloid- β Administration in Mice. Metabolites, 2022, 12, 1207.	1.3	6
689	Effects of Metformin on Modulating the Expression of Brain-related Genes of APP/PS1 Transgenic Mice based on Single Cell Sequencing. Current Alzheimer Research, 2022, 19, 754-771.	0.7	1
690	Combined metabolic activators improve metabolic functions in the animal models of neurodegenerative diseases. Life Sciences, 2023, 314, 121325.	2.0	5
691	Extracellular vesicles, from the pathogenesis to the therapy of neurodegenerative diseases. Translational Neurodegeneration, 2022, 11, .	3.6	24
692	A tripartite view of the posterior cingulate cortex. Nature Reviews Neuroscience, 2023, 24, 173-189.	4.9	27
693	Molecular Basis of Role of Insulin Resistance in Pathophysiology of Alzheimer's Disease. International Journal of Health Sciences and Pharmacy, 0, , 200-219.	0.0	0

#	ARTICLE	IF	CITATIONS
694	Emerging Materials, Wearables, and Diagnostic Advancements in Therapeutic Treatment of Brain Diseases. <i>Biosensors</i> , 2022, 12, 1176.	2.3	1
695	Sub-chronic toxicity of broflanilide on the nervous system of zebrafish (<i>Danio rerio</i>). <i>Chemistry and Ecology</i> , 2023, 39, 137-152.	0.6	1
696	Oxidative Stress and Nuclear Reprogramming: A Pilot Study of the Effects of Reactive Oxygen Species on Architectural and Epigenetic Landscapes. <i>International Journal of Molecular Sciences</i> , 2023, 24, 153.	1.8	3
697	Hydroxytyrosol attenuates diquat-induced oxidative stress by activating Nrf2 pathway and modulating colonic microbiota in mice. <i>Journal of Nutritional Biochemistry</i> , 2023, 113, 109256.	1.9	8
698	Nucleosome assembly protein 1-like 5 alleviates Alzheimer's disease-like pathological characteristics in a cell model. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	3
699	Magnesium hexacyanoferrate nanocatalysts attenuate chemodrug-induced cardiotoxicity through an anti-apoptosis mechanism driven by modulation of ferrous iron. <i>Nature Communications</i> , 2022, 13, .	5.8	5
700	Overexpression of UCP4 in astrocytic mitochondria prevents multilevel dysfunctions in a mouse model of Alzheimer's disease. <i>Glia</i> , 2023, 71, 957-973.	2.5	4
701	Pleiotrophin deficiency protects against high-fat diet-induced neuroinflammation: Implications for brain mitochondrial dysfunction and aberrant protein aggregation. <i>Food and Chemical Toxicology</i> , 2023, 172, 113578.	1.8	1
702	Beyond the classical amyloid hypothesis in Alzheimer's disease: Molecular insights into current concepts of pathogenesis, therapeutic targets, and study models. <i>WIREs Mechanisms of Disease</i> , 2023, 15, .	1.5	3
703	Potential role of 25(OH)D insufficiency in the dysfunction of glycolipid metabolism and cognitive impairment in patients with T2DM. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	4
704	Vascular endothelial cells: a fundamental approach for brain waste clearance. <i>Brain</i> , 2023, 146, 1299-1315.	3.7	4
705	Alzheimer's disease and synapse Loss: What can we learn from induced pluripotent stem Cells?. <i>Journal of Advanced Research</i> , 2023, 54, 105-118.	4.4	5
706	Dietary Embelin Supplementation During Mid-To-Late Gestation Improves Performance and Maternal-Fetal Glucose Metabolism of Pigs. <i>Journal of Animal Science</i> , 0, , .	0.2	0
707	Overview of the Role of Vanillin in Neurodegenerative Diseases and Neuropathophysiological Conditions. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1817.	1.8	11
708	Non-Enzymatic Antioxidants against Alzheimer's Disease: Prevention, Diagnosis and Therapy. <i>Antioxidants</i> , 2023, 12, 180.	2.2	9
709	Early Mitochondrial Defects in the 5xFAD Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2023, , 1-16.	1.2	1
710	Diet-Derived Antioxidants: The Special Case of Ergothioneine. <i>Annual Review of Food Science and Technology</i> , 2023, 14, 323-345.	5.1	18
711	Identification and validation of oxidative stress and immune-related hub genes in Alzheimer's disease through bioinformatics analysis. <i>Scientific Reports</i> , 2023, 13, .	1.6	8

#	ARTICLE	IF	CITATIONS
712	AD Blank Spot Model for Evaluation of Alzheimer's Disease. , 2023, , 1-29.		0
713	Altered Mitochondrial Morphology and Bioenergetics in a New Yeast Model Expressing A β 242. International Journal of Molecular Sciences, 2023, 24, 900.	1.8	5
714	Ginsenoside Rk3 ameliorates A β 2-induced neurotoxicity in APP/PS1 model mice via AMPK signaling pathway. Biomedicine and Pharmacotherapy, 2023, 158, 114192.	2.5	19
715	The role of reactive astrocytes in neurotoxicity induced by ultrafine particulate matter. Science of the Total Environment, 2023, 867, 161416.	3.9	3
717	Treatment of Alzheimer's disease by combination of acupuncture and Chinese medicine based on pathophysiological mechanism: A review. Medicine (United States), 2022, 101, e32218.	0.4	0
718	Recent advances in low-level laser therapy on depression. Stress and Brain, 2022, 2, 123-138.	0.3	2
719	Design, microwave-assisted synthesis, biological evaluation, molecular docking and ADME studies of pyrrole-based hydrazide-hydrazones as potential antioxidant agents. Macedonian Journal of Chemistry and Chemical Engineering, 2022, 41, .	0.2	2
720	Effects of electroacupuncture on urinary metabolome and microbiota in presenilin1/2 conditional double knockout mice. Frontiers in Microbiology, 0, 13, .	1.5	5
721	Network pharmacology implicates traditional Chinese medicine in regulating systemic homeostasis to benefit Alzheimer's disease. Tzu Chi Medical Journal, 2023, 35, 120.	0.4	1
722	Altered energy metabolism in Fatal Familial Insomnia cerebral organoids is associated with astrogliosis and neuronal dysfunction. PLoS Genetics, 2023, 19, e1010565.	1.5	7
723	Molecular Mechanisms of Neuroinflammation in Aging and Alzheimer's Disease Progression. International Journal of Molecular Sciences, 2023, 24, 1869.	1.8	25
724	CELLULAR STRESS RESPONSE (HORMESIS) IN RESPONSE TO BIOACTIVE NUTRACEUTICALS WITH RELEVANCE TO ALZHEIMER DISEASE. Antioxidants and Redox Signaling, 0, , .	2.5	1
725	Comparison of Oxygen Electrode Chronoamperometry and Spectrophotometry for Determination of Catalase Activity. Oxygen, 2023, 3, 77-89.	1.6	1
726	FRET-based fluorescent probe with favorable water solubility for simultaneous detection of SO2 derivatives and viscosity. Talanta, 2023, 256, 124302.	2.9	4
727	NQO1 regulates expression and alternative splicing of apoptotic genes associated with Alzheimer's disease in PC12 cells. Brain and Behavior, 2023, 13, .	1.0	2
728	Brain aerobic glycolysis and resilience in Alzheimer disease. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	16
729	The Key Role of Mitochondrial Function in Health and Disease. Antioxidants, 2023, 12, 782.	2.2	30
730	Causal Relationship Between Basal Metabolic Rate and Alzheimer's Disease: A Bidirectional Two-sample Mendelian Randomization Study. Neurology and Therapy, 2023, 12, 763-776.	1.4	4

#	ARTICLE	IF	CITATIONS
731	Differential role of oxidative stress in synaptic and nonsynaptic in vitro ictogenesis. <i>Journal of Neurophysiology</i> , 2023, 129, 999-1009.	0.9	1
732	Tanshinone-IIA mediated neuroprotection by modulating neuronal pathways. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2023, 396, 1647-1667.	1.4	6
733	The effect of gastric bypass surgery on cognitive function of Alzheimer's disease and the role of GLP1-SGLT1 pathway. <i>Experimental Neurology</i> , 2023, 363, 114377.	2.0	1
734	The pyruvate dehydrogenase complex: Life's essential, vulnerable and druggable energy homeostat. <i>Mitochondrion</i> , 2023, 70, 59-102.	1.6	8
735	N-acetyl-L-cysteine attenuates oxidative stress-induced bone marrow endothelial cells apoptosis by inhibiting BAX/caspase 3 pathway. <i>Biochemical and Biophysical Research Communications</i> , 2023, 656, 115-121.	1.0	2
736	Promotion of astrocyte-neuron glutamate-glutamine shuttle by SCFA contributes to the alleviation of Alzheimer's disease. <i>Redox Biology</i> , 2023, 62, 102690.	3.9	14
737	Elevated plasma sulfides are associated with cognitive dysfunction and brain atrophy in human Alzheimer's disease and related dementias. <i>Redox Biology</i> , 2023, 62, 102633.	3.9	8
738	Untangle the mystery behind DS-associated AD – Is APP the main protagonist?. <i>Ageing Research Reviews</i> , 2023, 87, 101930.	5.0	4
739	Study on the mechanism of <i>Coptis chinensis</i> Franch. And its main active components in treating Alzheimer's disease based on SCFAs using Orbitrap Fusion Lumos Tribrid MS. <i>Journal of Ethnopharmacology</i> , 2023, 311, 116392.	2.0	1
740	Novel N or N modified $\hat{\pm}$ -carboline analogues as potential ligands in Alzheimer's disease therapy: Synthesis and neurobiological activity evaluation. <i>Bioorganic Chemistry</i> , 2023, 133, 106378.	2.0	2
742	The Epigenetic Regulation of RNA N6-Methyladenosine Methylation in Glycolipid Metabolism. <i>Biomolecules</i> , 2023, 13, 273.	1.8	2
743	Osteocalcin ameliorates cognitive dysfunctions in a mouse model of Alzheimer's Disease by reducing amyloid β^2 burden and upregulating glycolysis in neuroglia. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	1
745	Contributions of blood-brain barrier imaging to neurovascular unit pathophysiology of Alzheimer's disease and related dementias. <i>Frontiers in Aging Neuroscience</i> , 0, 15, .	1.7	4
746	A Multifunctional (-)-Meptazinol-Serotonin Hybrid Ameliorates Oxidative Stress-Associated Apoptotic Neuronal Death and Memory Deficits via Activating the Nrf2/Antioxidant Enzyme Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2023, 2023, 1-17.	1.9	1
747	How Can Insulin Resistance Cause Alzheimer's Disease?. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3506.	1.8	8
748	Fucosyltransferase 8 (FUT8) and core fucose expression in oxidative stress response. <i>PLoS ONE</i> , 2023, 18, e0281516.	1.1	1
749	Luminescent lanthanide metallogel as a sensor array to efficiently discriminate various saccharides. <i>Journal of Molecular Liquids</i> , 2023, 376, 121447.	2.3	2
750	Exploring the Reactivity of Polyoxometalates toward Proteins: From Interactions to Mechanistic Insights. <i>Jacs Au</i> , 2023, 3, 978-990.	3.6	12

#	ARTICLE	IF	CITATIONS
751	Oxidative Stress in Brain in Amnesic Mild Cognitive Impairment. <i>Antioxidants</i> , 2023, 12, 462.	2.2	4
752	Multivalent Nanobody Conjugate with Rigid, Reactive Oxygen Species Scavenging Scaffold for Multi-Target Therapy of Alzheimer's Disease. <i>Advanced Materials</i> , 2023, 35, .	11.1	3
753	Simulating the multicausality of Alzheimer's disease with system dynamics. <i>Alzheimer's and Dementia</i> , 2023, 19, 2633-2654.	0.4	5
754	The Study of Overexpression of Peroxiredoxin-2 Reduces MPP ⁺ -Induced Toxicity in the Cell Model of Parkinson's Disease. <i>Neurochemical Research</i> , 2023, 48, 2129-2137.	1.6	3
755	Oxidative Stress and Antioxidants in Neurodegenerative Disorders. <i>Antioxidants</i> , 2023, 12, 517.	2.2	57
757	NFIXing Cancer: The Role of NFIX in Oxidative Stress Response and Cell Fate. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4293.	1.8	3
758	The effects of microglia-associated neuroinflammation on Alzheimer's disease. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	20
759	Hypoglycemic medicines in the treatment of Alzheimer's disease: Pathophysiological links between AD and glucose metabolism. <i>Frontiers in Pharmacology</i> , 0, 14, .	1.6	8
760	Unlocking Modifiable Risk Factors for Alzheimer's Disease: Does the Oral Microbiome Hold Some of the Keys?. <i>Journal of Alzheimer's Disease</i> , 2023, 92, 1111-1129.	1.2	5
761	Whey Protein Hydrolysate Renovates Age-Related and Scopolamine-Induced Cognitive Impairment. <i>Nutrients</i> , 2023, 15, 1228.	1.7	6
762	24-Hydroxycholesterol Induces Tau Proteasome-Dependent Degradation via the SIRT1/PGC1 α /Nrf2 Pathway: A Potential Mechanism to Counteract Alzheimer's Disease. <i>Antioxidants</i> , 2023, 12, 631.	2.2	2
763	Regional brain glucose metabolism is differentially affected by ketogenic diet: a human semiquantitative positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2023, 50, 2047-2055.	3.3	3
764	Dendrimers in Alzheimer's Disease: Recent Approaches in Multi-Targeting Strategies. <i>Pharmaceutics</i> , 2023, 15, 898.	2.0	4
766	Alleviating the unwanted effects of oxidative stress on A β clearance: a review of related concepts and strategies for the development of computational modelling. <i>Translational Neurodegeneration</i> , 2023, 12, .	3.6	2
767	Alzheimer's Disease from the Amyloidogenic Theory to the Puzzling Crossroads between Vascular, Metabolic and Energetic Maladaptive Plasticity. <i>Biomedicines</i> , 2023, 11, 861.	1.4	1
768	Inhibiting NLRP3 Inflammasome Activation by CY-09 Helps to Restore Cerebral Glucose Metabolism in 3 \times Tg-AD Mice. <i>Antioxidants</i> , 2023, 12, 722.	2.2	6
769	Hydrogen Inhalation Ameliorates Oxidative Stress and Glucose Metabolism Disorder in the Brain of Hindlimb Unloading Rats. <i>Space: Science & Technology</i> , 2023, 3, .	1.0	0
771	Dityrosine cross-linking and its potential roles in Alzheimer's disease. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	2

#	ARTICLE	IF	CITATIONS
772	Morus alba fruit diet ameliorates cognitive deficit in mouse model of streptozotocin-induced memory impairment. <i>Metabolic Brain Disease</i> , 0, , .	1.4	1
773	NLRP3 Inflammasome's Activation in Acute and Chronic Brain Diseases" An Update on Pathogenetic Mechanisms and Therapeutic Perspectives with Respect to Other Inflammasomes. <i>Biomedicines</i> , 2023, 11, 999.	1.4	6
774	Mapping the long-term delayed recall-based cortex-hippocampus network constrained by the structural and functional connectome: a case-control multimodal MRI study. <i>Alzheimer's Research and Therapy</i> , 2023, 15, .	3.0	2
775	Lactobacillaceae improve cognitive dysfunction via regulating gut microbiota and suppressing A β deposits and neuroinflammation in APP/PS1 mice. <i>Archives of Microbiology</i> , 2023, 205, .	1.0	2
776	Selective breeding for physical inactivity produces cognitive deficits via altered hippocampal mitochondrial and synaptic function. <i>Frontiers in Aging Neuroscience</i> , 0, 15, .	1.7	3
777	Effects of intermittent fasting on cognitive health and Alzheimer's disease. <i>Nutrition Reviews</i> , 2023, 81, 1225-1233.	2.6	11
778	Enantioselective Degradation for Elimination of Extracellular Aggregation-Prone Proteins hIAPP Associated with Type 2 Diabetes. <i>ACS Nano</i> , 2023, 17, 8141-8152.	7.3	2
779	Insights from <i>Drosophila</i> on A β - and tau-induced mitochondrial dysfunction: mechanisms and tools. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	2
780	The Relationship between Whole-Grain Intake and Measures of Cognitive Decline, Mood, and Anxiety" A Systematic Review. <i>Advances in Nutrition</i> , 2023, 14, 652-670.	2.9	2
781	Biomarkers of aging. <i>Science China Life Sciences</i> , 2023, 66, 893-1066.	2.3	60
782	Sesquiterpenoids from the fruits of <i>Alpinia oxyphylla</i> Miq. and their neuroprotective effect. <i>Phytochemistry</i> , 2023, 211, 113680.	1.4	2
783	Pre- and post-treatment of α -Tocopherol on cognitive, synaptic plasticity, and mitochondrial disorders of the hippocampus in icv-streptozotocin-induced sporadic Alzheimer's-like disease in male Wistar rat. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	4
784	Metabolic correction of neurodegenerative pathologies: the role of macronutrients and timing. , 0, , 67-81.		0
785	Preventive Effect of Indian Gooseberry (<i>Phyllanthus emblica</i> L.) Fruit Extract on Cognitive Decline in High-Fat Diet (HFD) Fed Rats. <i>Molecular Nutrition and Food Research</i> , 2023, 67, .	1.5	5
810	Vitamin B12 as a neuroprotectant in neuroinflammation. , 2023, , 399-416.		2
811	Maternal naringenin supplementation during pregnancy disrupts the redox status in the developing rat's brain. , 2023, , 855-871.		0
823	Recent progress in the development of fluorescent probes for imaging pathological oxidative stress. <i>Chemical Society Reviews</i> , 2023, 52, 3873-3926.	18.7	44
826	Recent Advancements in Nanomaterials: A Promising Way to Manage Neurodegenerative Disorders. <i>Molecular Diagnosis and Therapy</i> , 2023, 27, 457-473.	1.6	3

#	ARTICLE	IF	CITATIONS
838	Biomolecular Markers of Brain Aging. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 111-126.	0.8	0
846	AD Blank Spot Model for Evaluation of Alzheimer's Disease. , 2023, , 133-161.		0
857	Therapeutic approaches using natural substances on the streptozotocin-induced animal model of sporadic Alzheimer's disease: a systematic review. <i>Advances in Traditional Medicine</i> , 2024, 24, 145-169.	1.0	1
863	Reactive oxygen species, toxicity, oxidative stress, and antioxidants: chronic diseases and aging. <i>Archives of Toxicology</i> , 2023, 97, 2499-2574.	1.9	74
872	Understanding mechanisms of antioxidant action in health and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2024, 25, 13-33.	16.1	16
888	Intermittent fasting and Alzheimer's disease—Targeting ketone bodies as a potential strategy for brain energy rescue. <i>Metabolic Brain Disease</i> , 0, , .	1.4	0
911	Glucose, glycolysis, and neurodegenerative disorders. , 2024, , 333-384.		0
916	Nano-imaging agents for brain diseases: Environmentally responsive imaging and therapy. <i>Nano Research</i> , 2023, 16, 13134-13163.	5.8	0
925	Effect of Diet Patterns in the Prevention of Alzheimer's Disease. , 2023, , 197-222.		0
960	Data-driven modelling of neurodegenerative disease progression: thinking outside the black box. <i>Nature Reviews Neuroscience</i> , 2024, 25, 111-130.	4.9	0
963	Oxidative stress in Alzheimer's disease: current knowledge of signaling pathways and therapeutics. <i>Molecular Biology Reports</i> , 2024, 51, .	1.0	4
967	Glucose handling by the brain and its implication in metabolic syndrome. , 2024, , 585-595.		0
971	Alzheimer's disease risk reduction in clinical practice: a priority in the emerging field of preventive neurology. , 2024, 2, 25-40.		0
999	Pathophysiology and Management Approaches in Alzheimer's Disease. , 2023, , 77-102.		0
1011	A Case for the Neuroprotective Potential of African Phytochemicals in the Management of Alzheimer's Disease. , 0, , .		0
1015	Limitations and Future Directions for 4-Hexylresorcinol Applications. , 2024, , 163-174.		0