Excitotoxic and Excitoprotective Mechanisms: Abundar Treatment of Neurodegenerative Disorders

NeuroMolecular Medicine

3, 65-94

DOI: 10.1385/nmm:3:2:65

Citation Report

#	Article	IF	CITATIONS
1	Overview of Protein Aggregation in Single, Double, and Triple Neurodegenerative Brain Amyloidoses. NeuroMolecular Medicine, 2003, 4, 1-6.	1.8	35
2	Perturbed Signal Transduction in Neurodegenerative Disorders Involving Aberrant Protein Aggregation. NeuroMolecular Medicine, 2003, 4, 109-132.	1.8	28
3	Glucagon-like peptide 1 modulates calcium responses to glutamate and membrane depolarization in hippocampal neurons. Journal of Neurochemistry, 2003, 87, 1137-1144.	2.1	95
4	Learning from the gut. Nature Medicine, 2003, 9, 1113-1115.	15.2	27
5	RNA Interference in Biology and Medicine. Pharmacological Reviews, 2003, 55, 629-648.	7.1	117
6	Natural antioxidants and neurodegenerative diseases. Frontiers in Bioscience - Landmark, 2004, 9, 3447.	3.0	48
7	New Functions for an Old Enzyme: Nonhemostatic Roles for Tissue-Type Plasminogen Activator in the Central Nervous System. Experimental Biology and Medicine, 2004, 229, 1097-1104.	1.1	62
8	Amyotrophic lateral sclerosis: a consensus viewpoint on designing and implementing a clinical trial. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders: Official Publication of the World Federation of Neurology, Research Group on Motor Neuron Diseases, 2004, 5, 84-98.	1.4	50
9	Chronic Back Pain Is Associated with Decreased Prefrontal and Thalamic Gray Matter Density. Journal of Neuroscience, 2004, 24, 10410-10415.	1.7	1,223
10	Inhibition of Cell Cycle Pathway by Flavopiridol Promotes Survival of Cerebellar Granule Cells after an Excitotoxic Treatment. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 609-616.	1.3	45
11	Protective effect of melatonin on 3-nitropropionic acid-induced oxidative stress in synaptosomes in an animal model of Huntington's disease. Journal of Pineal Research, 2004, 37, 252-256.	3.4	122
12	Neurodegenerative diseases and oxidative stress. Nature Reviews Drug Discovery, 2004, 3, 205-214.	21.5	2,923
13	Caspase Inhibitors Prevent Endothelial Apoptosis and Cerebral Vasospasm in Dog Model of Experimental Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 419-431.	2.4	139
14	The Lathyrus excitotoxin \hat{l}^2 -N-oxalyl-l- \hat{l} +, \hat{l}^2 -diaminopropionic acid is a substrate of the l-cystine/l-glutamate exchanger system xcâ°. Toxicology and Applied Pharmacology, 2004, 200, 83-92.	1.3	33
15	Cytokine production, glutamate release and cell death in rat cultured astrocytes treated with unconjugated bilirubin and LPS. Journal of Neuroimmunology, 2004, 153, 64-75.	1.1	104
16	Effect of glucocorticoids on 3-nitropropionic acid-induced oxidative stress in synaptosomes. European Journal of Pharmacology, 2004, 488, 19-25.	1.7	33
17	A link between hyperbilirubinemia, oxidative stress and injury to neocortical synaptosomes. Brain Research, 2004, 1026, 33-43.	1.1	86
18	Misfolded proteins, endoplasmic reticulum stress and neurodegeneration. Current Opinion in Cell Biology, 2004, 16, 653-662.	2.6	375

#	ARTICLE	IF	Citations
19	New Therapeutic Strategies and Drug Candidates for Neurodegenerative Diseases: p53 and TNF-Â Inhibitors, and GLP-1 Receptor Agonists. Annals of the New York Academy of Sciences, 2004, 1035, 290-315.	1.8	91
20	Caspase-3 and caspase-9 mediate developmental apoptosis in the mouse olfactory system. Journal of Comparative Neurology, 2004, 474, 136-148.	0.9	41
21	Soluble KDI domain of \hat{I}^31 laminin protects adult hippocampus from excitotoxicity of kainic acid. Journal of Neuroscience Research, 2004, 78, 411-419.	1.3	12
22	Regeneration of adult rat spinal cord is promoted by the soluble KDI domain of \hat{I}^31 laminin. Journal of Neuroscience Research, 2004, 78, 403-410.	1.3	24
23	Ischaemic preconditioning: therapeutic implications for stroke?. Expert Opinion on Therapeutic Targets, 2004, 8, 125-139.	1.5	26
24	AATF Inhibits Aberrant Production of Amyloid \hat{l}^2 Peptide 1-42 by Interacting Directly with Par-4. Journal of Biological Chemistry, 2004, 279, 4596-4603.	1.6	49
25	Taurine prevents the neurotoxicity of βâ€amyloid and glutamate receptor agonists: activation of GABA receptors and possible implications for Alzheimer's disease and other neurological disorders. FASEB Journal, 2004, 18, 511-518.	0.2	214
26	Prophylactic activation of neuroprotective stress response pathways by dietary and behavioral manipulations. NeuroRx, 2004, 1, 111-116.	6.0	119
27	Molecular basis of bilirubin-induced neurotoxicity. Trends in Molecular Medicine, 2004, 10, 65-70.	3.5	171
28	Infectious agents and age-related neurodegenerative disorders. Ageing Research Reviews, 2004, 3, 105-120.	5.0	79
29	Bone Marrow Transplantation Reveals Roles for Brain Macrophage/Microglia TNF Signaling and Nitric Oxide Production in Excitotoxic Neuronal Death. NeuroMolecular Medicine, 2004, 5, 219-234.	1.8	18
30	Symptomatic and Disease-Modifying Therapy for the Progressive Ataxias. Neurologist, 2004, 10, 275-289.	0.4	36
31	Activated Microglia Initiate Motor Neuron Injury by a Nitric Oxide and Glutamate-Mediated Mechanism. Journal of Neuropathology and Experimental Neurology, 2004, 63, 964-977.	0.9	147
33	Class II G Protein-Coupled Receptors and Their Ligands in Neuronal Function and Protection. NeuroMolecular Medicine, 2005, 7, 003-036.	1.8	80
34	The excitoprotective effect of N-methyl-d-aspartate receptors is mediated by a brain-derived neurotrophic factor autocrine loop in cultured hippocampal neurons. Journal of Neurochemistry, 2005, 94, 713-722.	2.1	140
35	The galanin-R2 agonist AR-M1896 reduces glutamate toxicity in primary neural hippocampal cells. Journal of Neurochemistry, 2005, 95, 821-833.	2.1	48
36	Effect of ebselen and organochalcogenides on excitotoxicity induced by glutamate in isolated chick retina. Brain Research, 2005, 1039, 146-152.	1,1	18
37	Susceptibility to excitotoxic and metabolic striatal neurodegeneration in the mouse is genotype dependent. Brain Research, 2005, 1040, 112-120.	1.1	14

#	Article	IF	CITATIONS
38	Iptakalim hydrochloride protects cells against neurotoxin-induced glutamate transporter dysfunction in in vitro and in vivo models. Brain Research, 2005, 1049, 80-88.	1.1	21
39	Bilirubin-induced inflammatory response, glutamate release, and cell death in rat cortical astrocytes are enhanced in younger cells. Neurobiology of Disease, 2005, 20, 199-206.	2.1	75
40	The excitatory amino acid transporters: Pharmacological insights on substrate and inhibitor specificity of the EAAT subtypes., 2005, 107, 271-285.		125
41	Protection of cortical cells by equine estrogens against glutamate-induced excitotoxicity is mediated through a calcium independent mechanism. BMC Neuroscience, 2005, 6, 34.	0.8	28
42	Metallothionein reduces central nervous system inflammation, neurodegeneration, and cell death following kainic acid-induced epileptic seizures. Journal of Neuroscience Research, 2005, 79, 522-534.	1.3	119
43	The neuroprotective KDI domain of \hat{I}^31 -laminin is a universal and potent inhibitor of ionotropic glutamate receptors. Journal of Neuroscience Research, 2005, 81, 797-804.	1.3	12
44	Nuclear factor-κb activation is associated with glutamate-evoked tissue transglutaminase up-regulation in primary astrocyte cultures. Journal of Neuroscience Research, 2005, 82, 858-865.	1.3	31
45	Molecular and cellular mechanisms of neuronal cell death in HIV dementia. Neurotoxicity Research, 2005, 8, 119-134.	1.3	83
46	MEDICINE: Treating Neurodegenerative Diseases with Antibiotics. Science, 2005, 307, 361-362.	6.0	51
47	Identification of candidate drugs for the treatment of ALS. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2005, 6, 29-36.	2.3	16
48	Calpain Mediates Excitotoxic DNA Fragmentation via Mitochondrial Pathways in Adult Brains. Journal of Biological Chemistry, 2005, 280, 16175-16184.	1.6	168
49	Intracellular A \hat{l}^2 42 activates p53 promoter: a pathway to neurodegeneration in Alzheimer's disease. FASEB Journal, 2005, 19, 1-29.	0.2	244
50	Ablation of Gene Expression of N-Methyl- <i>D</i> Oligonucleotides in Striatal Neurons in Culture. NeuroSignals, 2005, 14, 303-316.	0.5	5
51	The Alzheimer's Disease Neuroimaging Initiative. Neuroimaging Clinics of North America, 2005, 15, 869-877.	0.5	863
52	Mitochondrial Inhibition and Oxidative Stress: Reciprocating Players in Neurodegeneration. Antioxidants and Redox Signaling, 2005, 7, 1117-1139.	2.5	75
53	Ontogeny of AMPA and NMDA receptor gene expression in the developing sheep white matter and cerebral cortex. Molecular Brain Research, 2005, 139, 242-250.	2.5	12
54	Antioxidant Treatment Inhibited Glutamate-Evoked NF-κB Activation in Primary Astroglial Cell Cultures. NeuroToxicology, 2005, 26, 915-921.	1.4	28
55	High dietary fat induces NADPH oxidase-associated oxidative stress and inflammation in rat cerebral cortex. Experimental Neurology, 2005, 191, 318-325.	2.0	233

#	ARTICLE	IF	CITATIONS
56	Glutamate induces rapid loss of axonal neurofilament proteins from cortical neurons in vitro. Experimental Neurology, 2005, 193, 481-488.	2.0	36
57	Glutamate promotes NF-κB pathway in primary astrocytes: protective effects of IRFI 016, a synthetic vitamin E analogue. Experimental Neurology, 2005, 193, 377-383.	2.0	20
58	Proteolytic mechanisms in necrotic cell death and neurodegeneration. FEBS Letters, 2005, 579, 3287-3296.	1.3	119
59	Trace metal regulation of neuronal apoptosis: From genes to behavior. Physiology and Behavior, 2005, 86, 399-406.	1.0	66
60	The substituted aspartate analogue $l-\hat{l}^2$ -threo-benzyl-aspartate preferentially inhibits the neuronal excitatory amino acid transporter EAAT3. Neuropharmacology, 2005, 49, 850-861.	2.0	61
61	Modifications of brain tissue volumes in facioscapulohumeral dystrophy. Neurolmage, 2006, 32, 1237-1242.	2.1	26
62	Tapered progesterone withdrawal promotes long-term recovery following brain trauma. Experimental Neurology, 2006, 200, 378-385.	2.0	44
63	Targeting antioxidants to mitochondria: A new therapeutic direction. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 256-265.	1.8	341
64	Neuronal Life-and-Death Signaling, Apoptosis, and Neurodegenerative Disorders. Antioxidants and Redox Signaling, 2006, 8, 1997-2006.	2.5	192
65	Down-regulation of microglial activation may represent a practical strategy for combating neurodegenerative disorders. Medical Hypotheses, 2006, 67, 251-269.	0.8	81
66	Macrophage migration inhibitory factor induces cell death and decreases neuronal nitric oxide expression in spinal cord neurons. Neuroscience, 2006, 139, 1117-1128.	1.1	26
67	Ampakines and the threefold path to cognitive enhancement. Trends in Neurosciences, 2006, 29, 554-562.	4.2	155
68	Neurohormetic phytochemicals: low-dose toxins that induce adaptive neuronal stress responses. Trends in Neurosciences, 2006, 29, 632-639.	4.2	306
69	Neurine, an acetylcholine autolysis product, elevates secreted amyloid- \hat{l}^2 protein precursor and amyloid- \hat{l}^2 peptide levels, and lowers neuronal cell viability in culture: A role in Alzheimer's disease?. Journal of Alzheimer's Disease, 2006, 10, 9-16.	1.2	10
70	Neuroprotection and Stroke Rehabilitation: Modulation and Enhancement of Recovery. Behavioural Neurology, 2006, 17, 17-24.	1.1	16
71	Race, Other Factors Affect End-of-Life Choices. Caring for the Ages, 2006, 7, 16-17.	0.0	0
72	Elderly Are Less Likely to Report Chronic Pain. Caring for the Ages, 2006, 7, 6-20.	0.0	1
73	AVP-923 as a Novel Treatment for Pseudobulbar Affect in ALS. Progress in Neurotherapeutics and Neuropsychopharmacology, 2006, 1, 91-104.	0.0	1

#	Article	IF	Citations
74	Laminin: a targeted therapy for the CNS. Future Neurology, 2006, 1, 349-352.	0.9	1
75	NMDA neuroprotection against a phosphatidylinositol-3 kinase inhibitor, LY294002 by NR2B-mediated suppression of glycogen synthase kinase-3l²-induced apoptosis. Journal of Neurochemistry, 2006, 96, 335-348.	2.1	53
76	Mutations in amyloid precursor protein and presenilin-1 genes increase the basal oxidative stress in murine neuronal cells and lead to increased sensitivity to oxidative stress mediated by amyloid β-peptide (1-42), H2O2 and kainic acid: implications for A. Journal of Neurochemistry, 2006, 96, 1322-1335.	2.1	109
77	Ageing and neuronal vulnerability. Nature Reviews Neuroscience, 2006, 7, 278-294.	4.9	895
78	Aminoglutethimide prevents excitotoxic and ischemic injuries in cortical neurons. British Journal of Pharmacology, 2006, 147, 729-736.	2.7	10
79	Novel neuroprotective, neuritogenic and anti-amyloidogenic properties of 2,4-dinitrophenol: The gentle face of Janus. IUBMB Life, 2006, 58, 185-191.	1.5	44
80	Homeostatic Regulation of Glutamate Release in Response to Depolarization. Molecular Neurobiology, 2006, 33, 133-154.	1.9	21
81	A novel isoform of prostate apoptosis response 4 (PAR-4) that co-distributes with F-actin and prevents apoptosis in neural stem cells. Apoptosis: an International Journal on Programmed Cell Death, 2006, 11, 315-325.	2.2	14
82	Methylene blue prevents neurodegeneration caused by rotenone in the retina. Neurotoxicity Research, 2006, 9, 47-57.	1.3	105
83	Neuroprotection by two polyphenols following excitotoxicity and experimental ischemia. Neurobiology of Disease, 2006, 23, 374-386.	2.1	145
84	Possible role of excitotoxicity in the pathogenesis of glaucoma. Clinical and Experimental Ophthalmology, 2006, 34, 54-63.	1.3	135
85	Interferon- \hat{I}^3 is up-regulated in the hippocampus in response to intermittent fasting and protects hippocampal neurons against excitotoxicity. Journal of Neuroscience Research, 2006, 83, 1552-1557.	1.3	45
86	Unconjugated bilirubin activates and damages microglia. Journal of Neuroscience Research, 2006, 84, 194-201.	1.3	68
87	KDI tripeptide of \hat{I}^31 laminin protects rat dopaminergic neurons from 6-OHDA induced toxicity. Journal of Neuroscience Research, 2006, 84, 655-665.	1.3	19
88	Cell Culture Models for Studying Epilepsy. , 2006, , 23-34.		4
89	Brain mitochondrial defects amplify intracellular [Ca 2+] rise and neurodegeneration but not Ca 2+ entry during NMDA receptor activation. FASEB Journal, 2006, 20, 1021-1023.	0.2	63
90	$17\hat{l}^2$ -Estradiol Is Protective in Spinal Cord Injury in Post- and Pre-Menopausal Rats. Journal of Neurotrauma, 2006, 23, 830-852.	1.7	70
91	KEL-8 Is a Substrate Receptor for CUL3-dependent Ubiquitin Ligase That Regulates Synaptic Glutamate Receptor Turnover. Molecular Biology of the Cell, 2006, 17, 1250-1260.	0.9	75

#	Article	IF	CITATIONS
92	Nuclear Factor ÂB Deficiency Is Associated with Auditory Nerve Degeneration and Increased Noise-Induced Hearing Loss. Journal of Neuroscience, 2006, 26, 3541-3550.	1.7	97
93	Neuroprotective Effects of 17β-Estradiol and Nonfeminizing Estrogens against H2O2 Toxicity in Human Neuroblastoma SK-N-SH Cells. Molecular Pharmacology, 2006, 70, 395-404.	1.0	83
94	Neuroprotective Effects of Synaptic Modulation in Huntington's Disease R6/2 Mice. Journal of Neuroscience, 2007, 27, 12908-12915.	1.7	78
95	Excitotoxins. , 2007, , 975-982.		1
96	Dextromethorphan as a Potential Neuroprotective Agent With Unique Mechanisms of Action. Neurologist, 2007, 13, 272-293.	0.4	68
97	Chronic membrane depolarization-induced morphological alteration of developing neurons. Neuroscience, 2007, 145, 232-240.	1.1	12
98	Raloxifene acutely reduces glutamate-induced intracellular calcium increase in cultured rat cortical neurons via inhibition of high-voltage-activated calcium current. Neuroscience, 2007, 147, 334-341.	1,1	21
99	Gene expression atlas of the mouse central nervous system: impact and interactions of age, energy intake and gender. Genome Biology, 2007, 8, R234.	13.9	103
100	EARLY SOCIAL ISOLATION DECREASES THE EXPRESSION OF CALBINDIN D-28K AND DENDRITIC BRANCHING IN THE MEDIAL PREFRONTAL CORTEX OF THE RAT. International Journal of Neuroscience, 2007, 117, 465-476.	0.8	27
101	Viewpoint: Mechanisms of Action and Therapeutic Potential of Neurohormetic Phytochemicals. Dose-Response, 2007, 5, dose-response.0.	0.7	121
102	Neuroprotective actions of 2,4-dinitrophenol: Friend or foe?. Dementia E Neuropsychologia, 2007, 1, 334-338.	0.3	3
103	Riluzole in Huntington's disease: a 3â€year, randomized controlled study. Annals of Neurology, 2007, 62, 262-272.	2.8	160
104	Selective overexpression of \hat{l}^31 laminin in astrocytes in amyotrophic lateral sclerosis indicates an involvement in ALS pathology. Journal of Neuroscience Research, 2007, 85, 2045-2058.	1.3	14
105	Distinct spatial and temporal activation of caspase pathways in neurons and glial cells after excitotoxic damage to the immature rat brain. Journal of Neuroscience Research, 2007, 85, 3545-3556.	1.3	18
106	Changes in calcium dynamics following the reversal of the sodium-calcium exchanger have a key role in AMPA receptor-mediated neurodegeneration via calpain activation in hippocampal neurons. Cell Death and Differentiation, 2007, 14, 1635-1646.	5.0	41
107	Neuroprotectant minocycline depresses glutamatergic neurotransmission and Ca ²⁺ signalling in hippocampal neurons. European Journal of Neuroscience, 2007, 26, 2481-2495.	1.2	94
108	The organotellurium compound ammonium trichloro(dioxoethylene-0,0') tellurate enhances neuronal survival and improves functional outcome in an ischemic stroke model in mice. Journal of Neurochemistry, 2007, 102, 1232-1241.	2.1	61
109	Calcium and neurodegeneration. Aging Cell, 2007, 6, 337-350.	3.0	643

#	Article	IF	CITATIONS
110	Increased vulnerability of hippocampal neurons with age in culture: Temporal association with increases in NMDA receptor current, NR2A subunit expression and recruitment of L-type calcium channels. Brain Research, 2007, 1151, 20-31.	1.1	77
111	Delayed neurodegeneration and early astrogliosis after excitotoxicity to the aged brain. Experimental Gerontology, 2007, 42, 343-354.	1.2	27
112	Adult retinal neuronal cell culture. Progress in Retinal and Eye Research, 2007, 26, 379-397.	7.3	19
113	Age-related impairments in neuronal plasticity markers and astrocytic GFAP and their reversal by late-onset short term dietary restriction. Biogerontology, 2008, 9, 441-454.	2.0	36
114	Probing the molecular mechanisms of neuronal degeneration: importance of mitochondrial dysfunction and calcineurin activation. Journal of Anesthesia, 2008, 22, 253-262.	0.7	18
115	Distinct pattern of microglial response, cyclooxygenaseâ€2, and inducible nitric oxide synthase expression in the aged rat brain after excitotoxic damage. Journal of Neuroscience Research, 2008, 86, 3170-3183.	1.3	30
116	Comparative reliability of proton spectroscopy techniques designed to improve detection of Jâ€coupled metabolites. Magnetic Resonance in Medicine, 2008, 60, 964-969.	1.9	118
117	Multiparametric analysis of amino acids and organic acids in rat brain tissues using GC/MS. Journal of Separation Science, 2008, 31, 2831-2838.	1.3	21
118	Synthesis and antioxidant activities of 3,5-dialkoxy-4-hydroxycinnamamides. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1663-1667.	1.0	13
119	Glutamate and Neurotrophic Factors in Neuronal Plasticity and Disease. Annals of the New York Academy of Sciences, 2008, 1144, 97-112.	1.8	525
120	Preventing NAD ⁺ Depletion Protects Neurons against Excitotoxicity. Annals of the New York Academy of Sciences, 2008, 1147, 275-282.	1.8	105
121	Delineating and Understanding Cerebellar Neuroprotective Pathways. Annals of the New York Academy of Sciences, 2005, 1053, 39-47.	1.8	1
122	Dysregulation of intracellular calcium homeostasis is responsible for neuronal death in an experimental model of selective hippocampal degeneration induced by trimethyltin. Journal of Neurochemistry, 2008, 105, 2109-2121.	2.1	45
123	Partial inhibition of complex I activity increases Ca ²⁺ â€independent glutamate release rates from depolarized synaptosomes. Journal of Neurochemistry, 2008, 106, 826-834.	2.1	35
124	The life, death, and replacement of oligodendrocytes in the adult CNS. Journal of Neurochemistry, 2008, 107, 1-19.	2.1	369
125	Notch: from neural development to neurological disorders. Journal of Neurochemistry, 2008, 107, 1471-1481.	2.1	174
126	GMP prevents excitotoxicity mediated by NMDA receptor activation but not by reversal activity of glutamate transporters in rat hippocampal slices. Brain Research, 2008, 1231, 113-120.	1.1	28
127	Hormesis defined. Ageing Research Reviews, 2008, 7, 1-7.	5.0	966

#	Article	IF	CITATIONS
128	Loss of Hrs in the Central Nervous System Causes Accumulation of Ubiquitinated Proteins and Neurodegeneration. American Journal of Pathology, 2008, 173, 1806-1817.	1.9	46
129	Targeting ischemic brain injury with intravenous immunoglobulin. Expert Opinion on Therapeutic Targets, 2008, 12, 19-29.	1.5	33
130	Leptin-mediated Cell Survival Signaling in Hippocampal Neurons Mediated by JAK STAT3 and Mitochondrial Stabilization. Journal of Biological Chemistry, 2008, 283, 1754-1763.	1.6	178
131	New Insight into Stimulus-Induced Plasticity of the Olfactory Epithelium in <i>Mus musculus</i> by Quantitative Proteomics. Journal of Proteome Research, 2008, 7, 1594-1605.	1.8	20
132	The Hemo-Neural Hypothesis: On The Role of Blood Flow in Information Processing. Journal of Neurophysiology, 2008, 99, 2035-2047.	0.9	198
133	Pharmacology of Glutamate Transport in the CNS: Substrates and Inhibitors of Excitatory Amino Acid Transporters (EAATs) and the Glutamate/Cystine Exchanger System x c â^. Topics in Medicinal Chemistry, 2008, , 187-222.	0.4	1
134	Awareness of Hormesis Will Enhance Future Research in Basic and Applied Neuroscience. Critical Reviews in Toxicology, 2008, 38, 633-639.	1.9	78
135	Essential Role for Epidermal Growth Factor Receptor in Glutamate Receptor Signaling to NF-κB. Molecular and Cellular Biology, 2008, 28, 5061-5070.	1.1	26
136	Hormesis and disease resistance: activation of cellular stress response pathways. Human and Experimental Toxicology, 2008, 27, 155-162.	1.1	103
137	Beneficial effects of phenolic compounds from fruit and vegetables in neurodegenerative diseases. , 2008, , 145-181.		2
138	The Seed Extract of Cassia obtusifolia Offers Neuroprotection to Mouse Hippocampal Cultures. Journal of Pharmacological Sciences, 2008, 107, 380-392.	1.1	63
139	NMDA Receptors and Huntington's Disease. Frontiers in Neuroscience, 2008, , 17-40.	0.0	4
140	Conserved and Differential Effects of Dietary Energy Intake on the Hippocampal Transcriptomes of Females and Males. PLoS ONE, 2008, 3, e2398.	1.1	46
141	Excitotoxicity, Oxidative Stress, and Neuronal Injury. , 2009, , 633-651.		4
142	Intracellular Calcium and Neuronal Death. , 2009, , 191-196.		0
143	Dysregulation of Tau Phosphorylation in Mouse Brain during Excitotoxic Damage. Journal of Alzheimer's Disease, 2009, 17, 531-539.	1.2	65
144	TNF-α Preconditioning Protects Neurons via Neuron-Specific Up-Regulation of CREB-Binding Protein. Journal of Immunology, 2009, 183, 2068-2078.	0.4	54
145	Stimulation of glutamate receptors in cultured hippocampal neurons causes Ca2+-dependent mitochondrial contraction. Cell Calcium, 2009, 46, 18-29.	1.1	49

#	Article	IF	CITATIONS
146	Different Mechanisms of NMDA-Mediated Protection Against Neuronal Apoptosis: A Stimuli-Dependent Effect. Neurochemical Research, 2009, 34, 2040-2054.	1.6	22
147	Nicotinamide Prevents NAD+ Depletion and Protects Neurons Against Excitotoxicity and Cerebral Ischemia: NAD+ Consumption by SIRT1 may Endanger Energetically Compromised Neurons. NeuroMolecular Medicine, 2009, 11, 28-42.	1.8	222
148	Growth hormoneâ€releasing peptide 6 protection of hypothalamic neurons from glutamate excitotoxicity is caspase independent and not mediated by insulinâ€like growth factor I. European Journal of Neuroscience, 2009, 29, 2115-2124.	1.2	17
149	Simultaneous single neuron recording of O ₂ consumption, [Ca ²⁺] _i and mitochondrial membrane potential in glutamate toxicity. Journal of Neurochemistry, 2009, 109, 644-655.	2.1	37
150	Therapeutic strategies against protein misfolding in neurodegenerative diseases. Expert Opinion on Drug Discovery, 2009, 4, 71-84.	2.5	6
151	Neuronal Vulnerability to Oxidative Damage in Aging. , 2009, , 83-95.		1
152	Complexity of mitochondrial dynamics in neurons and its control by ADP produced during synaptic activity. International Journal of Biochemistry and Cell Biology, 2009, 41, 2005-2014.	1.2	32
153	Repeated 4-aminopyridine induced seizures diminish the efficacy of glutamatergic transmission in the neocortex. Experimental Neurology, 2009, 219, 136-145.	2.0	22
154	Characterization of the murine Dfna5 promoter and regulatory regions. Gene, 2009, 432, 82-90.	1.0	7
155	Excitatory tonus is required for the survival of granule cell precursors during postnatal development within the cerebellum. Neuroscience, 2009, 158, 1364-1377.	1.1	5
156	Thalidomide inhibition of vascular remodeling and inflammatory reactivity in the quinolinic acid–injected rat striatum. Neuroscience, 2009, 163, 601-608.	1.1	14
157	Homocysteine-induced acute excitotoxicity in cerebellar granule cells in vitro is accompanied by PP2A-mediated dephosphorylation of tau. Neurochemistry International, 2009, 55, 174-180.	1.9	57
158	Guanosine-5′-monophosphate induces cell death in rat hippocampal slices via ionotropic glutamate receptors activation and glutamate uptake inhibition. Neurochemistry International, 2009, 55, 703-709.	1.9	19
159	Manganese-Induced Dopaminergic Neurodegeneration: Insights into Mechanisms and Genetics Shared with Parkinson's Disease. Chemical Reviews, 2009, 109, 4862-4884.	23.0	114
160	Basis of Ionic Dysregulation in Cerebral Ischemia., 2009,, 1-11.		1
161	Riluzole treatment, survival and diagnostic criteria in Parkinson plus disorders: The NNIPPS Study. Brain, 2009, 132, 156-171.	3.7	298
162	Reduced volume of Heschl's gyrus in tinnitus. Neurolmage, 2009, 45, 927-939.	2.1	128
163	The Antiapoptotic Activity of Melatonin in Neurodegenerative Diseases. CNS Neuroscience and Therapeutics, 2009, 15, 345-357.	1.9	205

#	Article	IF	Citations
164	Oxidative Stress and Neurodegenerative Diseases: A Review of Upstream and Downstream Antioxidant Therapeutic Options. Current Neuropharmacology, 2009, 7, 65-74.	1.4	2,701
165	Neuroprotective effects of laminin and its KDI domain. Future Neurology, 2009, 4, 561-574.	0.9	2
166	Neuroprotective phenolics in medicinal plants. Archives of Pharmacal Research, 2010, 33, 1611-1632.	2.7	51
167	Expression Profile of Rat Hippocampal Neurons Treated with the Neuroprotective Compound 2,4-Dinitrophenol: Up-Regulation of cAMP Signaling Genes. Neurotoxicity Research, 2010, 18, 112-123.	1.3	17
168	Pioglitazone ameliorates behavioral, biochemical and cellular alterations in quinolinic acid induced neurotoxicity: Possible role of peroxisome proliferator activated receptor-i' (PPARi') in Huntington's disease. Pharmacology Biochemistry and Behavior, 2010, 96, 115-124.	1.3	45
169	Wallerian-like axonal degeneration in the optic nerve after excitotoxic retinal insult: an ultrastructural study. BMC Neuroscience, 2010, 11, 97.	0.8	57
170	Improvement of resolution for brain coupled metabolites by optimized ¹ H MRS at 7 T. NMR in Biomedicine, 2010, 23, 1044-1052.	1.6	70
171	Traumatic Brain Injury and Aging: Is a Combination of Progesterone and Vitamin D Hormone a Simple Solution to a Complex Problem?. Neurotherapeutics, 2010, 7, 81-90.	2.1	39
172	Degenerative and Regenerative Events in the Central and Peripheral Nervous System*., 2010,, 39-58.		1
173	Neuroprotection through Stimulation of Mitochondrial Antioxidant Protein Expression. Journal of Alzheimer's Disease, 2010, 20, S427-S437.	1.2	33
174	Neurons Efficiently Repair Glutamate-induced Oxidative DNA Damage by a Process Involving CREB-mediated Up-regulation of Apurinic Endonuclease 1. Journal of Biological Chemistry, 2010, 285, 28191-28199.	1.6	84
175	Time-course correlation of early toxic events in three models of striatal damage: Modulation by proteases inhibition. Neurochemistry International, 2010, 56, 834-842.	1.9	26
176	\hat{l}^2 -Amyloid-related peptides potentiate K+-evoked glutamate release from adult rat hippocampal slices. Neurobiology of Aging, 2010, 31, 1164-1172.	1.5	50
177	Neurological autoimmunity targeting aquaporin-4. Neuroscience, 2010, 168, 1009-1018.	1.1	77
178	Neuroprotection by glutamate receptor antagonists against seizure-induced excitotoxic cell death in the aging brain. Experimental Neurology, 2010, 224, 207-218.	2.0	45
179	Progesterone and Vitamin D Hormone as a Biologic Treatment of Traumatic Brain Injury in the Aged. PM and R, 2011, 3, S100-10.	0.9	18
180	Post-treatment of Bax-inhibiting peptide reduces neuronal death and behavioral deficits following global cerebral ischemia. Neurochemistry International, 2011, 58, 224-233.	1.9	28
181	Exchange of extracellular l-glutamate by intracellular d-aspartate: The main mechanism of d-aspartate release in the avian retina. Neurochemistry International, 2011, 58, 767-775.	1.9	7

#	Article	IF	CITATIONS
182	Licofelone attenuates quinolinic acid induced Huntington like symptoms: Possible behavioral, biochemical and cellular alterations. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 607-615.	2.5	24
183	Some lumbar sympathetic neurons develop a glutamatergic phenotype after peripheral axotomy with a note on VGLUT2-positive perineuronal baskets. Experimental Neurology, 2011, 230, 258-272.	2.0	18
184	Neuroprotective actions of ghrelin and growth hormone secretagogues. Frontiers in Molecular Neuroscience, 2011, 4, 23.	1.4	48
185	GLT-1 Loss Accelerates Cognitive Deficit Onset in an Alzheimer's Disease Animal Model. Journal of Alzheimer's Disease, 2011, 26, 447-455.	1.2	126
186	Mechanisms of epileptogenesis in symptomatic epilepsy., 0,, 35-42.		0
188	Involvement of cyclin-dependent kinase-5 in the kainic acid-mediated degeneration of glutamatergic synapses in the rat hippocampus. European Journal of Neuroscience, 2011, 34, 1212-1221.	1.2	28
189	CSPα promotes SNARE-complex assembly by chaperoning SNAP-25 during synaptic activity. Nature Cell Biology, 2011, 13, 30-39.	4.6	203
190	The excitatory neurotransmitter glutamate stimulates DNA repair to increase neuronal resiliency. Mechanisms of Ageing and Development, 2011, 132, 405-411.	2.2	65
191	Disrupted energy metabolism and neuronal circuit dysfunction in cognitive impairment and Alzheimer's disease. Lancet Neurology, The, 2011, 10, 187-198.	4.9	463
192	Bilirubin facilitates depolarizing GABA/glycinergic synaptic transmission in the ventral cochlear nucleus of rats. European Journal of Pharmacology, 2011, 660, 310-317.	1.7	9
193	Endoplasmic Reticulum Ca ²⁺ Handling in Excitable Cells in Health and Disease. Pharmacological Reviews, 2011, 63, 700-727.	7.1	210
194	Decreased Glucagon-Like Peptide-1 Receptor Immunoreactivity in the Dentate Granule Cell Layer from Adult in the Gerbil Hippocampus. Cellular and Molecular Neurobiology, 2011, 31, 345-350.	1.7	5
195	Amyloid-β Decreases Nitric Oxide Production in Cultured Retinal Neurons: A Possible Mechanism for Synaptic Dysfunction in Alzheimer's Disease?. Neurochemical Research, 2011, 36, 163-169.	1.6	23
196	Synthesis, antioxidant evaluation, and quantitative structure–activity relationship studies of chalcones. Medicinal Chemistry Research, 2011, 20, 482-492.	1.1	98
197	Synthesis and evaluation of fluorescent heterocyclic aminoadamantanes as multifunctional neuroprotective agents. Bioorganic and Medicinal Chemistry, 2011, 19, 3935-3944.	1.4	27
198	Increased cerebral (R)-[11C]PK11195 uptake and glutamate release in a rat model of traumatic brain injury: a longitudinal pilot study. Journal of Neuroinflammation, 2011, 8, 67.	3.1	59
199	High-level inhibition of mitochondrial complexes III and IV is required to increase glutamate release from the nerve terminal. Molecular Neurodegeneration, 2011, 6, 53.	4.4	27
200	Delayed administration of dapsone protects from tissue damage and improves recovery after spinal cord injury. Journal of Neuroscience Research, 2011, 89, 373-380.	1.3	27

#	Article	IF	Citations
201	CaMKII in cerebral ischemia. Acta Pharmacologica Sinica, 2011, 32, 861-872.	2.8	114
202	Treatment and management issues in ataxic diseases. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2012, 103, 635-654.	1.0	6
203	Cofilin Aggregation Blocks Intracellular Trafficking and Induces Synaptic Loss in Hippocampal Neurons. Journal of Biological Chemistry, 2012, 287, 3919-3929.	1.6	77
204	Glutamate Transporter-Dependent mTOR Phosphorylation in MÃ $^1\!\!/\!4$ ller Glia Cells. ASN Neuro, 2012, 4, AN20120022.	1.5	37
205	Hypoxia-Induced Activation of $\langle i \rangle N \langle i \rangle$ -methyl-D-aspartate Receptors Causes Retinal Ganglion Cell Death in the Neonatal Retina. Journal of Neuropathology and Experimental Neurology, 2012, 71, 330-347.	0.9	18
206	A theoretical framework informing research about the role of stress in the pathophysiology of bipolar disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2012, 39, 1-8.	2.5	43
207	Prevention of iron- and copper-mediated DNA damage by catecholamine and amino acid neurotransmitters, I-DOPA, and curcumin: metal binding as a general antioxidant mechanism. Dalton Transactions, 2012, 41, 6458.	1.6	35
208	Potential roles of PI3K/Akt and Nrf2–Keap1 pathways in regulating hormesis of Z-ligustilide in PC12 cells against oxygen and glucose deprivation. Neuropharmacology, 2012, 62, 1659-1670.	2.0	91
209	Synthesis and antioxidant, cytotoxicity and antimicrobial activities of novel curcumin mimics. Journal of Enzyme Inhibition and Medicinal Chemistry, 2012, 27, 267-274.	2.5	12
210	Elemental micro-imaging and quantification of human substantia nigra using synchrotron radiation based x-ray fluorescence—in relation to Parkinson's disease. Journal of Physics Condensed Matter, 2012, 24, 244104.	0.7	15
211	Evidence that AKT and GSK $\hat{a}\in\hat{3}\hat{1}^2$ pathway are involved in acute hyperhomocysteinemia. International Journal of Developmental Neuroscience, 2012, 30, 369-374.	0.7	9
212	Both NMDA and non-NMDA receptors mediate glutamate stimulation induced cofilin rod formation in cultured hippocampal neurons. Brain Research, 2012, 1486, 1-13.	1.1	17
213	Infectious Agents and Neurodegeneration. Molecular Neurobiology, 2012, 46, 614-638.	1.9	189
214	Development of Isotope Labeling LC–MS for Human Salivary Metabolomics and Application to Profiling Metabolome Changes Associated with Mild Cognitive Impairment. Analytical Chemistry, 2012, 84, 10802-10811.	3.2	75
215	Genome-Wide Association for Sensitivity to Chronic Oxidative Stress in Drosophila melanogaster. PLoS ONE, 2012, 7, e38722.	1.1	82
216	Apoptosis and Necrosis., 2012,, 663-676.		9
217	Targeting Neuro-Inflammatory Cytokines and Oxidative Stress by Minocycline Attenuates Quinolinic-Acid-Induced Huntington's Disease-Like Symptoms in Rats. Neurotoxicity Research, 2012, 22, 310-320.	1.3	45
218	Huntington's Disease and the Striatal Medium Spiny Neuron: Cell-Autonomous and Non-Cell-Autonomous Mechanisms of Disease. Neurotherapeutics, 2012, 9, 270-284.	2.1	111

#	Article	IF	CITATIONS
219	System xcâ^' regulates microglia and macrophage glutamate excitotoxicity in vivo. Experimental Neurology, 2012, 233, 333-341.	2.0	54
220	Abnormal gray matter aging in chronic pain patients. Brain Research, 2012, 1456, 82-93.	1.1	74
221	Delayed calcium dysregulation in neurons requires both the NMDA receptor and the reverse Na+/Ca2+ exchanger. Neurobiology of Disease, 2012, 46, 109-117.	2.1	45
222	Aberrant regulation and function of Src family tyrosine kinases: Their potential contributions to glutamateâ€induced neurotoxicity. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 684-691.	0.9	21
223	Microarray analysis of rat hippocampus exposed to excitotoxicity: Reversal Na ⁺ /Ca ²⁺ exchanger NCX3 is overexpressed in glial cells. Hippocampus, 2012, 22, 128-140.	0.9	24
224	Neurotoxic Saboteurs: Straws that Break the Hippo's (Hippocampus) Back Drive Cognitive Impairment and Alzheimer's Disease. Neurotoxicity Research, 2013, 24, 407-459.	1.3	47
226	Stimulation of the chemosensory TRPA1 cation channel by volatile toxic substances promotes cell survival of small cell lung cancer cells. Biochemical Pharmacology, 2013, 85, 426-438.	2.0	54
227	Presenilin mediates neuroprotective functions of ephrinB and brain-derived neurotrophic factor and regulates ligand-induced internalization and metabolism of EphB2 and TrkB receptors. Neurobiology of Aging, 2013, 34, 499-510.	1.5	40
228	Efficacy of Dextromethorphan and Cyclosporine A for Acute Encephalopathy. Pediatric Neurology, 2013, 48, 200-205.	1.0	15
229	Tropisetron as a neuroprotective agent against glutamate-induced excitotoxicity and mechanisms of action. Neuropharmacology, 2013, 73, 111-121.	2.0	18
230	Trichostatin A Enhances Glutamate Transporter GLT-1 mRNA Levels in C6 Glioma Cells via Neurosteroid-Mediated Cell Differentiation. Journal of Molecular Neuroscience, 2013, 49, 21-27.	1.1	10
231	Spinal Cord Injuries: Principles and Methods for Outcome Assessment. Neuromethods, 2013, , 273-298.	0.2	3
232	Deregulation of excitatory neurotransmission underlying synapse failure in Alzheimer's disease. Journal of Neurochemistry, 2013, 126, 191-202.	2.1	145
233	Therapeutic Potential of N-Acetyl-Glucagon-Like Peptide-1 in Primary Motor Neuron Cultures Derived From Non-Transgenic and SOD1-G93A ALS Mice. Cellular and Molecular Neurobiology, 2013, 33, 347-357.	1.7	24
234	Hyperglycemia, Hypoglycemia and Dementia: Role of Mitochondria and Uncoupling Proteins. Current Molecular Medicine, 2013, 13, 586-601.	0.6	21
235	A Ca2+-dependent Mechanism of Neuronal Survival Mediated by the Microtubule-associated Protein p600. Journal of Biological Chemistry, 2013, 288, 24452-24464.	1.6	48
236	The Mechanism of Taurine Protection Against Endoplasmic Reticulum Stress in an Animal Stroke Model of Cerebral Artery Occlusion and Stroke-Related Conditions in Primary Neuronal Cell Culture. Advances in Experimental Medicine and Biology, 2013, 776, 241-258.	0.8	60
237	VGLUTs in Peripheral Neurons and the Spinal Cord: Time for a Review. ISRN Neurology, 2013, 2013, 1-28.	1.5	30

#	Article	IF	CITATIONS
238	3,6′â€dithiothalidomide improves experimental stroke outcome by suppressing neuroinflammation. Journal of Neuroscience Research, 2013, 91, 671-680.	1.3	38
239	Therapeutic Potential of Mesenchymal Stromal Cells and MSC Conditioned Medium in Amyotrophic Lateral Sclerosis (ALS) - In Vitro Evidence from Primary Motor Neuron Cultures, NSC-34 Cells, Astrocytes and Microglia. PLoS ONE, 2013, 8, e72926.	1,1	60
240	Propolis Ameliorates Tumor Nerosis Factor-α, Nitric Oxide levels, Caspase-3 and Nitric Oxide Synthase Activities in Kainic Acid Mediated Excitotoxicity in Rat Brain. Tropical Journal of Obstetrics and Gynaecology, 2014, 11, 48.	0.3	17
241	Glutamate Excitotoxicity and Neurodegeneration. Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research, 2014, 08, .	0.1	16
242	Multifunctional Enzyme Inhibition for Neuroprotection - A Focus on MAO, NOS, and AChE Inhibitors. , 2014, , 291-365.		0
243	Dextromethorphan/quinidine for pseudobulbar affect. Clinical Investigation, 2014, 4, 549-554.	0.0	2
244	GLT-1 transporter: An effective pharmacological target for various neurological disorders. Pharmacology Biochemistry and Behavior, 2014, 127, 70-81.	1.3	66
245	Are AMPA Receptor Positive Allosteric Modulators Potential Pharmacotherapeutics for Addiction?. Pharmaceuticals, 2014, 7, 29-45.	1.7	9
246	Enhanced Mossy Fiber Sprouting and Synapse Formation in Organotypic Hippocampal Cultures Following Transient Domoic Acid Excitotoxicity. Neurotoxicity Research, 2014, 25, 402-410.	1.3	11
247	5-Hydroxy-2-(2-phenylethyl)chromone (5-HPEC): A novel non-nitrogenous ligand for 5-HT2B receptor. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1489-1492.	1.0	17
248	Neuroprotective Effects of the <scp>MAO</scp> â€ <scp>B</scp> Inhibitor, <scp>PF</scp> 9601 <scp>N</scp> , in an <i>In Vivo</i> Model of Excitotoxicity. CNS Neuroscience and Therapeutics, 2014, 20, 641-650.	1.9	11
249	Allelic Interference: A Mechanism for <i>Trans</i> -Dominant Transmission of Loss of Function in the Neurodegeneration of Familial Alzheimer's Disease. Neurodegenerative Diseases, 2014, 13, 126-130.	0.8	7
250	Concentration-Dependent Opposite Effects of 1-Benzyl-1,2,3,4-tetrahydroisoquinoline on Markers of Apoptosis: In Vitro and Ex Vivo Studies. Neurotoxicity Research, 2014, 25, 90-99.	1.3	13
251	Anthocyanins Protect against Kainic Acidâ€induced Excitotoxicity and Apoptosis via <scp>ROS</scp> â€activated <scp>AMPK</scp> Pathway in Hippocampal Neurons. CNS Neuroscience and Therapeutics, 2014, 20, 327-338.	1.9	58
252	Adamantane amine derivatives as dual acting NMDA receptor and voltage-gated calcium channel inhibitors for neuroprotection. MedChemComm, 2014, 5, 1678-1684.	3.5	13
253	5-(2-[18 F]Fluoroethyl)-4-Methylthiazole Probe For Positron Emission Tomography Of The Central Nervous System. Chemistry of Heterocyclic Compounds, 2014, 50, 303-307.	0.6	0
254	Collapsin Response Mediator Protein 2 (CRMP2) Interacts with N-Methyl-d-aspartate (NMDA) Receptor and Na+/Ca2+ Exchanger and Regulates Their Functional Activity. Journal of Biological Chemistry, 2014, 289, 7470-7482.	1.6	66
255	L-type Ca2+ currents at CA1 synapses, but not CA3 or dentate granule neuron synapses, are increased in 3xTgAD mice in an age-dependent manner. Neurobiology of Aging, 2014, 35, 88-95.	1.5	59

#	Article	IF	Citations
256	Effect of N-methyl-D-aspartic acid on activity of superoxide dismutase, catalase, glutathione peroxidase and reduced glutathione level in selected organs of the mouse. Acta Physiologica Hungarica, 2014, 101, 377-387.	0.9	10
257	Neuroprotective effects of a novel translocator protein (18 <scp>kD</scp> a) ligand, <scp>ZBD</scp> â€2, against focal cerebral ischemia and <scp>NMDA</scp> â€induced neurotoxicity. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 1068-1074.	0.9	15
258	Reactive oxygen species exert opposite effects on Tyr23 phosphorylation of the nuclear and cortical pools of Annexin A2. Journal of Cell Science, 2016, 129, 314-28.	1.2	18
259	Dietary Factors in the Etiology of Parkinson's Disease. BioMed Research International, 2015, 2015, 1-16.	0.9	80
260	Susceptibility to excitotoxicity in aged hippocampal cultures and neuroprotection by nonâ€steroidal antiâ€inflammatory drugs: role of mitochondrial calcium. Journal of Neurochemistry, 2015, 132, 403-417.	2.1	34
261	Functional and Morphological Olfactory Bulb Modifications in Mice after Vanadium Inhalation. Toxicologic Pathology, 2015, 43, 282-291.	0.9	9
262	Role of adaptor protein MyD88 in TLR-mediated preconditioning and neuroprotection after acute excitotoxicity. Brain, Behavior, and Immunity, 2015, 46, 221-231.	2.0	35
263	Increased calcineurin expression after pilocarpine-induced status epilepticus is associated with brain focal edema and astrogliosis. International Journal of Neuroscience, 2015, 126, 1-8.	0.8	4
264	Calpain inhibitor, MDL 28170 confer electrophysiological, nociceptive and biochemical improvement in diabetic neuropathy. Neuropharmacology, 2015, 97, 113-121.	2.0	21
265	From Intrinsic Firing Properties to Selective Neuronal Vulnerability in Neurodegenerative Diseases. Neuron, 2015, 85, 901-910.	3.8	96
266	Leptin as a Neuroprotector and a Central Nervous System Functional Stability Factor. Neuroscience and Behavioral Physiology, 2015, 45, 612-618.	0.2	4
267	Molecular Mechanisms of Brain Ischemia and Its Protection. , 2015, , 39-51.		1
268	Eating Locally: Microautophagy and Protein Turnover at the Synapse. Neuron, 2015, 88, 619-621.	3.8	6
269	Spirulina Non-Protein Components Induce BDNF Gene Transcription via HO-1 Activity in C6 Glioma Cells. Applied Biochemistry and Biotechnology, 2015, 175, 892-901.	1.4	7
270	Increased levels and activity of cathepsins B and D in kainate-induced toxicity. Neuroscience, 2015, 284, 360-373.	1.1	16
271	Botryococcus braunii and Nannochloropsis oculata extracts inhibit cholinesterases and protect human dopaminergic SH-SY5Y cells from H2O2-induced cytotoxicity. Journal of Applied Phycology, 2015, 27, 839-848.	1.5	31
272	<scp>PEG</scp> Mediated Synthesis and Biological Evaluation of Asymmetrical Pyrazole Curcumin Analogues as Potential Analgesic, Antiâ€Inflammatory and Antioxidant Agents. Chemical Biology and Drug Design, 2015, 85, 377-384.	1.5	18
273	The interplay between inflammatory cytokines and the endocannabinoid system in the regulation of synaptic transmission. Neuropharmacology, 2015, 96, 105-112.	2.0	27

#	Article	IF	CITATIONS
274	Peroxisome proliferatorâ \in activated receptorâ \in \hat{l}^3 coactivatorâ \in \hat{l} Î \pm mediates neuroprotection against excitotoxic brain injury in transgenic mice: role of mitochondria and Xâ \in linked inhibitor of apoptosis protein. European Journal of Neuroscience, 2016, 43, 626-639.	1.2	23
275	Gene expression profiles and protein-protein interaction networks in amyotrophic lateral sclerosis patients with C9orf72 mutation. Orphanet Journal of Rare Diseases, 2016, 11, 148.	1.2	38
276	VRK3-mediated nuclear localization of HSP70 prevents glutamate excitotoxicity-induced apoptosis and $\hat{Al^2}$ accumulation via enhancement of ERK phosphatase VHR activity. Scientific Reports, 2016, 6, 38452.	1.6	22
277	Glutamate excitotoxicity and Ca 2+ -regulation of respiration: Role of the Ca 2+ activated mitochondrial transporters (CaMCs). Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1158-1166.	0.5	77
279	How does adenosine control neuronal dysfunction and neurodegeneration?. Journal of Neurochemistry, 2016, 139, 1019-1055.	2.1	341
280	PM2.5, SO2 and NO2 co-exposure impairs neurobehavior and induces mitochondrial injuries in the mouse brain. Chemosphere, 2016, 163, 27-34.	4.2	67
281	G-protein coupled receptors as therapeutic targets for neurodegenerative and cerebrovascular diseases. Neurochemistry International, 2016, 101, 1-14.	1.9	28
282	Nimodipine, an L-type calcium channel blocker attenuates mitochondrial dysfunctions to protect against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinsonism in mice. Neurochemistry International, 2016, 99, 221-232.	1.9	44
283	Reactive Oxygen Species: Physiological and Physiopathological Effects on Synaptic Plasticity. Journal of Experimental Neuroscience, 2016, 10s1, JEN.S39887.	2.3	193
284	Neural mechanisms to predict subjective level of fatigue in the future: a magnetoencephalography study. Scientific Reports, 2016, 6, 25097.	1.6	7
285	Glutamate signalling: A multifaceted modulator of oligodendrocyte lineage cells in health and disease. Neuropharmacology, 2016, 110, 574-585.	2.0	52
286	Multifactorial theory applied to the neurotoxicity of paraquat and paraquat-induced mechanisms of developing Parkinson's disease. Laboratory Investigation, 2016, 96, 496-507.	1.7	73
287	A beacon of hope in stroke therapyâ€"Blockade of pathologically activated cellular events in excitotoxic neuronal death as potential neuroprotective strategies. , 2016, 160, 159-179.		35
288	Mitochondrial SIRT3 Mediates Adaptive Responses of Neurons to Exercise and Metabolic and Excitatory Challenges. Cell Metabolism, 2016, 23, 128-142.	7.2	286
289	Genome instability in Alzheimer disease. Mechanisms of Ageing and Development, 2017, 161, 83-94.	2.2	83
290	Neuroprotective effects of pretreatment of ginsenoside <scp>R</scp> b1 on severe cerebral ischemiaâ€induced injuries in aged mice: Involvement of antiâ€oxidant signaling. Geriatrics and Gerontology International, 2017, 17, 338-345.	0.7	59
291	Recent Progress in Alzheimer's Disease Research, Part 1: Pathology. Journal of Alzheimer's Disease, 2017, 57, 1-28.	1.2	75
292	Asiaticoside: Attenuation of rotenone induced oxidative burden in a rat model of hemiparkinsonism by maintaining the phosphoinositide-mediated synaptic integrity. Pharmacology Biochemistry and Behavior, 2017, 155, 1-15.	1.3	21

#	Article	IF	CITATIONS
293	Local Somatodendritic Translation and Hyperphosphorylation of Tau Protein Triggered by AMPA and NMDA Receptor Stimulation. EBioMedicine, 2017, 20, 120-126.	2.7	64
294	The regulatory effect of electro-acupuncture on the expression of NMDA receptors in a SCI rat model. Life Sciences, 2017, 177, 8-14.	2.0	7
295	Sonic hedgehog pathway activation increases mitochondrial abundance and activity in hippocampal neurons. Molecular Biology of the Cell, 2017, 28, 387-395.	0.9	39
296	Understanding taurine CNS activity using alternative zebrafish models. Neuroscience and Biobehavioral Reviews, 2017, 83, 525-539.	2.9	16
298	Mitogen- and Stress-Activated Protein Kinase 1 Regulates Status Epilepticus-Evoked Cell Death in the Hippocampus. ASN Neuro, 2017, 9, 175909141772660.	1.5	10
299	Botulinum neurotoxin A promotes functional recovery after peripheral nerve injury by increasing regeneration of myelinated fibers. Neuroscience, 2017, 359, 82-91.	1.1	37
300	Cell Death Mechanisms of Neurodegeneration. Advances in Neurobiology, 2017, 15, 403-425.	1.3	90
301	Impact of intermittent fasting on health and disease processes. Ageing Research Reviews, 2017, 39, 46-58.	5.0	703
302	Pivotal Role of Receptor-Interacting Protein Kinase 1 and Mixed Lineage Kinase Domain-Like in Neuronal Cell Death Induced by the Human Neuroinvasive Coronavirus OC43. Journal of Virology, 2017, 91, .	1.5	45
303	Longâ€term survival and regeneration of neuronal and vasculature cells inside the core region after ischemic stroke in adult mice. Brain Pathology, 2017, 27, 480-498.	2.1	49
304	Withanone, an Active Constituent from Withania somnifera, Affords Protection Against NMDA-Induced Excitotoxicity in Neuron-Like Cells. Molecular Neurobiology, 2017, 54, 5061-5073.	1.9	45
305	Fermented Brown Rice Extract Stimulates BDNF Gene Transcription in C6 Glioma Cells: Possible Connection with HO-1 Expression. Journal of Dietary Supplements, 2017, 14, 214-228.	1.4	6
306	DNP, mitochondrial uncoupling, and neuroprotection: A little dab'll do ya. Alzheimer's and Dementia, 2017, 13, 582-591.	0.4	81
307	More Insight into BDNF against Neurodegeneration: Anti-Apoptosis, Anti-Oxidation, and Suppression of Autophagy. International Journal of Molecular Sciences, 2017, 18, 545.	1.8	147
308	Phycoerythrinâ€Derived Tryptic Peptide of a Red Alga <i>Pyropia yezoensis</i> Attenuates Glutamateâ€Induced ER Stress and Neuronal Senescence in Primary Rat Hippocampal Neurons. Molecular Nutrition and Food Research, 2018, 62, e1700469.	1.5	16
310	Nitric Oxide Signaling in Neurodegeneration and Cell Death. Advances in Pharmacology, 2018, 82, 57-83.	1.2	65
311	Lotus Root Extract Stimulates BDNF Gene Expression Through Potential Mechanism Depending on HO-1 Activity in C6 Glioma Cells. Journal of Dietary Supplements, 2018, 15, 11-23.	1.4	2
312	The Antiepileptic Drug Levetiracetam Protects Against Quinolinic Acid-Induced Toxicity in the Rat Striatum. Neurotoxicity Research, 2018, 33, 837-845.	1.3	5

#	ARTICLE	IF	CITATIONS
313	Tet1-mediated DNA demethylation involves in neuron damage induced by bilirubin in vitro. Toxicology Mechanisms and Methods, 2018, 28, 55-61.	1.3	8
315	Degenerative and Regenerative Events in the Central and Peripheral Nervous System. , 2018, , 50-69.		1
316	Aging and the Epidemiology of Epilepsy. Neuroepidemiology, 2018, 51, 216-223.	1.1	101
317	Rollercoaster ride of kynurenines: steering the wheel towards neuroprotection in Alzheimer's disease. Expert Opinion on Therapeutic Targets, 2018, 22, 849-867.	1.5	11
318	Hyperuricemia and dementia – a case-control study. BMC Neurology, 2018, 18, 131.	0.8	19
319	Metabolic regulation of synaptic activity. Reviews in the Neurosciences, 2018, 29, 825-835.	1.4	16
321	Targeting BDNF signaling by natural products: Novel synaptic repair therapeutics for neurodegeneration and behavior disorders. Pharmacological Research, 2019, 148, 104458.	3.1	47
322	Role of Glutamatergic Excitotoxicity in Neuromyelitis Optica Spectrum Disorders. Frontiers in Cellular Neuroscience, 2019, 13, 142.	1.8	19
323	Excitotoxicity., 2019, , 125-134.		13
324	Erastin Inhibits Septic Shock and Inflammatory Gene Expression via Suppression of the NF-κB Pathway. Journal of Clinical Medicine, 2019, 8, 2210.	1.0	45
325	Neuronal Stress and Its Hormetic Aspects. , 2019, , 171-180.		2
326	Cellular calcium signaling in the aging brain. Journal of Chemical Neuroanatomy, 2019, 95, 95-114.	1.0	40
327	Altered prepulse inhibition of the acoustic startle response in BDNF-deficient mice in a model of early postnatal hypoxia: implications for schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2019, 269, 439-447.	1.8	5
328	SIRT3 Haploinsufficiency Aggravates Loss of GABAergic Interneurons and Neuronal Network Hyperexcitability in an Alzheimer's Disease Model. Journal of Neuroscience, 2020, 40, 694-709.	1.7	59
329	Insular Cortical Thickness in Patients With Somatoform Pain Disorder: Are There Associations With Symptom Severity and Childhood Trauma?. Frontiers in Psychiatry, 2020, 11, 497100.	1.3	3
330	Administration of allâ€ <i>trans</i> retinoic acid after experimental traumatic brain injury is brain protective. British Journal of Pharmacology, 2020, 177, 5208-5223.	2.7	21
331	Purinergic signaling orchestrating neuron-glia communication. Pharmacological Research, 2020, 162, 105253.	3.1	49
332	Presenilin1 familial Alzheimer disease mutants inactivate EFNB1- and BDNF-dependent neuroprotection against excitotoxicity by affecting neuroprotective complexes of N-methyl-d-aspartate receptor. Brain Communications, 2020, 2, fcaa100.	1.5	6

#	Article	IF	CITATIONS
333	Phosphorylation of NMDA receptors by cyclin B/CDK1 modulates calcium dynamics and mitosis. Communications Biology, 2020, 3, 665.	2.0	7
334	Deficits in ascending and descending pain modulation pathways in patients with postherpetic neuralgia. Neurolmage, 2020, 221, 117186.	2.1	38
335	Positive allosteric activation of glial EAAT-2 transporter protein: A novel strategy for Alzheimer's disease. Medical Hypotheses, 2020, 142, 109794.	0.8	5
336	Novel Therapeutic Approach for the Management of Mood Disorders: In Vivo and In Vitro Effect of a Combination of L-Theanine, Melissa officinalis L. and Magnolia officinalis Rehder & E.H. Wilson. Nutrients, 2020, 12, 1803.	1.7	14
337	The cellular effects of PM2.5 collected in Chinese Taiyuan and Guangzhou and their associations with polycyclic aromatic hydrocarbons (PAHs), nitro-PAHs and hydroxy-PAHs. Ecotoxicology and Environmental Safety, 2020, 191, 110225.	2.9	39
338	Dopamine, a key factor of mitochondrial damage and neuronal toxicity on rotenone exposure and also parkinsonic motor dysfunction—Impact of asiaticoside with a probable vesicular involvement. Journal of Chemical Neuroanatomy, 2020, 106, 101788.	1.0	7
339	The emerging potential of SIRT-3 in oxidative stress-inflammatory axis associated increased neuroinflammatory component for metabolically impaired neural cell. Chemico-Biological Interactions, 2021, 333, 109328.	1.7	17
340	Putative dendritic correlates of chronic traumatic encephalopathy: A preliminary quantitative Golgi exploration. Journal of Comparative Neurology, 2021, 529, 1308-1326.	0.9	6
341	Mitochondrial drug delivery systems. , 2021, , 385-409.		4
342	Nanodelivery of traditional Chinese Gingko Biloba extract EGb-761 and bilobalide BN-52021 induces superior neuroprotective effects on pathophysiology of heat stroke. Progress in Brain Research, 2021, 265, 249-315.	0.9	5
343	The Effect of Histone Deacetylase Inhibitors Panobinostat or Entinostat on Motor Recovery in Mice After Ischemic Stroke. NeuroMolecular Medicine, 2021, 23, 471-484.	1.8	12
344	Significance of Hypouricaemia in the Development of Neurodegenerative Diseases. Proceedings of the Latvian Academy of Sciences, 2021, 75, 92-98.	0.0	0
345	Cortical and subcortical gray matter changes in patients with chronic tinnitus sustaining after vestibular schwannoma surgery. Scientific Reports, 2021, 11, 8411.	1.6	4
346	The protective effect of (i) Moringa oleifera (i) plant extract against glutamate-induced DNA damage and reduced cell viability in a primary retinal ganglion cell line. PeerJ, 2021, 9, e11569.	0.9	3
347	Quantitative Assessment of Cortical Excitability in Alzheimer's Dementia and Its Association with Clinical Symptoms: A Systematic Review and Meta-Analyses. Journal of Alzheimer's Disease, 2022, 88, 867-891.	1.2	7
348	Mitochondrial Protection and Against Glutamate Neurotoxicity via Shh/Ptch1 Signaling Pathway to Ameliorate Cognitive Dysfunction by Kaixin San in Multi-Infarct Dementia Rats. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	1.9	9
349	Naringina e Trimetazidina Melhoram a Sensibilidade Barorreflexa e a Atividade Elétrica do Trato Solitário do Núcleo na Lesão de Isquemia-Reperfusão Renal. Arquivos Brasileiros De Cardiologia, 2021, 117, 290-297.	0.3	1
350	Inhibition of extracellular regulated kinase (ERK)-1/2 signaling pathway in the prevention of ALS: Target inhibitors and influences on neurological dysfunctions. European Journal of Cell Biology, 2021, 100, 151179.	1.6	12

#	Article	IF	Citations
351	Molecular Network for Management of Neurodegenerative Diseases and their Translational Importance using Animal Biotechnology as a Tool in Preclinical Studies., 2021,, 219-235.		0
352	Spatial and temporal distribution of laminins in permanent focal ischemic brain damage of the adult rat. Journal of Neuroscience Research, 2008, , .	1.3	1
353	4.6 Energy Consumption by Phospholipid Metabolism in Mammalian Brain., 2007,, 401-427.		11
354	Cell Death and Cochlear Protection. , 2008, , 275-319.		10
355	Neurodegeneration in Neural Trauma, Neurodegenerative Diseases, and Neuropsychiatric Disorders. , 2010, , 1-25.		1
356	Concept of Excitotoxicity via Glutamate Receptors. , 2014, , 1015-1038.		8
357	Maximum Entropy Estimation of Glutamate and Glutamine in MR Spectroscopic Imaging. Lecture Notes in Computer Science, 2014, 17, 749-756.	1.0	1
358	Huntington's Disease-like 2., 2006,, 261-273.		3
359	Excitatory Amino Acids., 2007,, 970-975.		1
360	Physiological and pathological processes of synaptic plasticity and memory in drug discovery: Do not forget the dose-response curve. European Journal of Pharmacology, 2017, 817, 59-70.	1.7	6
362	Mystixin-7 Peptide Protects Ionotropic Glutamatergic Mechanisms against Glutamate-Induced Excitotoxicity In Vitro. International Journal of Peptides, 2016, 2016, 1-10.	0.7	1
363	Oxidative stress mediates tau-induced neurodegeneration in Drosophila. Journal of Clinical Investigation, 2007, 117, 236-245.	3.9	262
364	Delineating and Understanding Cerebellar Neuroprotective Pathways: Potential Implication for Protecting the Cortex. Annals of the New York Academy of Sciences, 2005, 1053, 39-47.	1.8	11
366	Restoration of Mitochondrial Dysfunction in 6-Hydroxydopamine Induced Parkinson's disease: a Complete Review. , 2017, 1, 001-026.		8
367	Oxidative Stress and Amyloid Beta Toxicity in Alzheimer's Disease: Intervention in a Complex Relationship by Antioxidants. Current Medicinal Chemistry, 2013, 20, 4648-4664.	1.2	57
368	The Complex Actions of Statins in Brain and their Relevance for Alzheimer's Disease Treatment: an Analytical Review. Current Alzheimer Research, 2014, 11, 1-1.	0.7	24
369	Targeting TRPs in Neurodegenerative Disorders. Current Topics in Medicinal Chemistry, 2013, 13, 322-334.	1.0	19
370	The Role of Uric Acid and Methyl Derivatives in the Prevention of Age-Related Neurodegenerative Disorders. Current Topics in Medicinal Chemistry, 2015, 15, 2233-2238.	1.0	28

#	Article	IF	CITATIONS
371	Neuroprotective Effects of Exercise Treatments After Injury: The Dual Role of Neurotrophic Factors. Current Neuropharmacology, 2017, 15, 495-518.	1.4	61
372	Coordination of physiologic and toxic pathways in hippocampus by nitric oxide and mitochondria. Frontiers in Bioscience - Landmark, 2007, 12, 1094.	3.0	11
373	Structure, Function, and Pharmacology of NMDA Receptor Channels. Physiological Research, 2014, 63, S191-S203.	0.4	216
374	Neuroprotective effects of Asiaticoside. Neural Regeneration Research, 2014, 9, 1275.	1.6	27
375	Effects of monosodium glutamate treatment on calretinin-immunoreactive neurons in hippocampus of postnatal rats. Folia Histochemica Et Cytobiologica, 2015, 52, 281-288.	0.6	5
377	Mechanisms of Excitotoxicity and Excitoprotection. , 2004, , 103-133.		1
378	Chemical Threat AgentInduced Latent (Delaye) Neurodegeneration. , 2008, , 135-157.		0
379	Peripheral Biomarkers of Excitotoxicity in Neurological Diseases. , 2009, , 85-106.		0
380	Status and Potential Therapeutic Importance of n–3 Fatty Acids in Acute Metabolic Trauma and Neurotraumatic Disorders. , 2009, , 261-292.		0
381	Dextromethorphan/Quinidine For Neuropsychiatric Manifestations of Wilson's Disease. primary care companion for CNS disorders, The, 2015, 17, .	0.2	0
383	The immunoreactivity of satellite glia of the spinal ganglia of rats treated with monosodium glutamate. Acta Veterinaria Brno, 2016, 85, 337-341.	0.2	2
384	Effect of Treadmill Exercise on Mitochondrial Function and Neuronal Plasticity in the Aged rat Hippocampus. Korean Journal of Sport Studies, 2017, 56, 527-537.	0.1	0
385	Parkinson's disease: A Review about Pathogenesis, Pharmaceutical Treatment and Experimental Models. Journal of Advanced Pharmacy Research, 2018, .	0.1	0
386	The Role of Ionic Homeostasis in Cisplatin-Induced Neurotoxicity: A Preliminary Study. Eurasian Journal of Medicine, 2018, 50, 81-85.	0.2	4
387	Sirtuin 3 (SIRT3) Pathways in Age-Related Cardiovascular and Neurodegenerative Diseases. Biomedicines, 2021, 9, 1574.	1.4	13
388	Muskelaktivitä– Muskelinaktivitä anti-nozizeptive oder pro-nozizeptive Körperstrukur. , 2020, , 121-143.		0
389	Prophylactic activation of neuroprotective stress response pathways by dietary and behavioral manipulations. Neurotherapeutics, 2004, 1, 111-116.	2.1	0
390	The ubiquitin-proteasome system as a drug target in cerebrovascular disease: therapeutic potential of proteasome inhibitors. Current Opinion in Investigational Drugs, 2005, 6, 686-99.	2.3	17

#	Article	IF	CITATIONS
391	What we have learnt about PIKE from the knockout mice. International Journal of Biochemistry and Molecular Biology, 2011, 2, 228-39.	0.1	0
392	Current aspects of hearing loss from occupational and leisure noise. GMS Current Topics in Otorhinolaryngology, Head and Neck Surgery, 2004, 3, Doc06.	0.8	7
395	Anti-Excitotoxic Effects of N-Butylidenephthalide Revealed by Chemically Insulted Purkinje Progenitor Cells Derived from SCA3 iPSCs. International Journal of Molecular Sciences, 2022, 23, 1391.	1.8	0
396	Effects of Glucagon-like peptide 1 (GLP-1) analogs in the hippocampus. Vitamins and Hormones, 2022, 118, 457-478.	0.7	7
397	Therapeutic effects of crude extracts of Bacopa floribunda on Beta-Amyloid 1-42-induced Alzheimer's disease via suppression of dyslipidemia, systemic inflammation and oxidative stress in Male Wistar Rats. Heliyon, 2022, 8, e09255.	1.4	1
398	The effect of novel negative allosteric 2,3-benzodiazepine on glutamate AMPA receptor and their cytotoxicity. Journal of Molecular Structure, 2022, 1261, 132936.	1.8	7
399	Is L-Glutamate Toxic to Neurons and Thereby Contributes to Neuronal Loss and Neurodegeneration? A Systematic Review. Brain Sciences, 2022, 12, 577.	1.1	24
400	Bilirubin Encephalopathy. Current Neurology and Neuroscience Reports, 2022, 22, 343-353.	2.0	9
401	Health benefits of astaxanthin against age-related diseases of multiple organs: A comprehensive review. Critical Reviews in Food Science and Nutrition, 2023, 63, 10709-10774.	5.4	17
402	Alzheimer's and Parkinson's disease therapies in the clinic. Bioengineering and Translational Medicine, 2023, 8, .	3.9	37
403	Circadian mechanism disruption is associated with dysregulation of inflammatory and immune responses: a systematic review. Beni-Suef University Journal of Basic and Applied Sciences, 2022, 11 , .	0.8	3
404	Effects of high glutamate concentrations on mitochondria of human neuroblastoma SH-SY5Y cells. Annales Pharmaceutiques Francaises, 2022, , .	0.4	2
405	Quercetin's Effects on Glutamate Cytotoxicity. Molecules, 2022, 27, 7620.	1.7	5
407	Brain-Derived Estrogen and Neurological Disorders. Biology, 2022, 11, 1698.	1.3	3
409	Administration of Kainic Acid Differentially Alters Astrocyte Markers and Transiently Enhanced Phospho-tau Level in Adult Rat Hippocampus. Neuroscience, 2023, 516, 27-41.	1.1	3
410	Imaging of nerve injury in neonatal acute bilirubin encephalopathy using 1H-MRS and Glu-CEST techniques. Frontiers in Neuroscience, $0,17,.$	1.4	1
411	Acai Berry (Euterpe sp.) Extracts Are Neuroprotective against L-Glutamate-Induced Toxicity by Limiting Mitochondrial Dysfunction and Cellular Redox Stress. Life, 2023, 13, 1019.	1.1	3