

Fariba Khodagholi

List of Publications by Year in descending order

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208
papers

4,759
citations

109264

35
h-index

161767

54
g-index

234
all docs

234
docs citations

234
times ranked

7480
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-treatment with metformin activates Nrf2 antioxidant pathways and inhibits inflammatory responses through induction of AMPK after transient global cerebral ischemia. <i>Metabolic Brain Disease</i> , 2015, 30, 747-754.	1.4	199
2	Alginate oligosaccharide protects against endoplasmic reticulum- and mitochondrial-mediated apoptotic cell death and oxidative stress. <i>Biomaterials</i> , 2011, 32, 5438-5458.	5.7	165
3	Activation of AMP-activated protein kinase by metformin protects against global cerebral ischemia in male rats: Interference of AMPK/PGC-1 β pathway. <i>Metabolic Brain Disease</i> , 2014, 29, 47-58.	1.4	112
4	Nrf2 and Nrf1 signaling and ER stress crosstalk: implication for proteasomal degradation and autophagy. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4681-4694.	2.4	106
5	Natural Products as Promising Drug Candidates for the Treatment of Alzheimer's Disease: Molecular Mechanism Aspect. <i>Current Neuropharmacology</i> , 2013, 11, 414-429.	1.4	100
6	Stabilization of transcription factor Nrf2 by tBHQ prevents oxidative stress-induced amyloid β formation in NT2N neurons. <i>Biochimie</i> , 2010, 92, 245-253.	1.3	90
7	Metformin improves anxiety-like behaviors through AMPK-dependent regulation of autophagy following transient forebrain ischemia. <i>Metabolic Brain Disease</i> , 2015, 30, 1139-1150.	1.4	85
8	Synthesis and in vitro evaluation of novel 1,2,4-triazine derivatives as neuroprotective agents. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 4224-4230.	1.4	84
9	Reversal effects of crocin on amyloid β -induced memory deficit: Modification of autophagy or apoptosis markers. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 139, 47-58.	1.3	77
10	Impact of Gold Nanoparticles on Amyloid β -Induced Alzheimer's Disease in a Rat Animal Model: Involvement of STIM Proteins. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2299-2309.	1.7	74
11	In vitro antioxidant activities and an investigation of neuroprotection by six <i>Salvia</i> species from Iran: A comparative study. <i>Food and Chemical Toxicology</i> , 2010, 48, 1341-1349.	1.8	71
12	Myricetin protects hippocampal CA3 pyramidal neurons and improves learning and memory impairments in rats with Alzheimer's disease. <i>Neural Regeneration Research</i> , 2016, 11, 1976.	1.6	68
13	Inhibition of JNK phosphorylation reverses memory deficit induced by β -amyloid (1-42) associated with decrease of apoptotic factors. <i>Behavioural Brain Research</i> , 2011, 217, 424-431.	1.2	67
14	Diagnostic Value of Serum Levels of GFAP, pNF-H, and NSE Compared With Clinical Findings in Severity Assessment of Human Traumatic Spinal Cord Injury. <i>Spine</i> , 2015, 40, E823-E830.	1.0	64
15	Oligomeric Forms of Insulin Amyloid Aggregation Disrupt Outgrowth and Complexity of Neuron-Like PC12 Cells. <i>PLoS ONE</i> , 2012, 7, e41344.	1.1	61
16	Physicochemical characterization of ambient PM 2.5 in Tehran air and its potential cytotoxicity in human lung epithelial cells (A549). <i>Science of the Total Environment</i> , 2017, 593-594, 182-190.	3.9	61
17	Alginate protects NT2 neurons against H ₂ O ₂ -induced neurotoxicity. <i>Carbohydrate Polymers</i> , 2010, 79, 1063-1072.	5.1	60
18	Enhanced Brain Delivery of Deferasirox-Lactoferrin Conjugates for Iron Chelation Therapy in Neurodegenerative Disorders: In Vitro and in Vivo Studies. <i>Molecular Pharmaceutics</i> , 2013, 10, 4418-4431.	2.3	59

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19	Protective role of Apelin-13 on amyloid β 25-35-induced memory deficit; Involvement of autophagy and apoptosis process. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 89, 322-334.	2.5	59
20	Attenuation of NF- κ B and activation of Nrf2 signaling by 1,2,4-triazine derivatives, protects neuron-like PC12 cells against apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 738-751.	2.2	56
21	Prevention of Cyclophilin D-Mediated mPTP Opening Using Cyclosporine-A Alleviates the Elevation of Necroptosis, Autophagy and Apoptosis-Related Markers Following Global Cerebral Ischemia-Reperfusion. <i>Journal of Molecular Neuroscience</i> , 2017, 61, 52-60.	1.1	56
22	ERK and p38 inhibitors attenuate memory deficits and increase CREB phosphorylation and PGC-1 α levels in A β -injected rats. <i>Behavioural Brain Research</i> , 2012, 232, 165-173.	1.2	51
23	Cannabidiol Post-Treatment Alleviates Rat Epileptic-Related Behaviors and Activates Hippocampal Cell Autophagy Pathway Along with Antioxidant Defense in Chronic Phase of Pilocarpine-Induced Seizure. <i>Journal of Molecular Neuroscience</i> , 2016, 58, 432-440.	1.1	49
24	Monitoring of Neuronal Loss in the Hippocampus of A β -Injected Rat: Autophagy, Mitophagy, and Mitochondrial Biogenesis Stand Against Apoptosis. <i>NeuroMolecular Medicine</i> , 2014, 16, 175-190.	1.8	47
25	Reduction of Hippocampal Apoptosis by Intracerebroventricular Administration of Extracellular Signal-Regulated Protein Kinase and/or p38 Inhibitors in Amyloid Beta Rat Model of Alzheimer's Disease: Involvement of Nuclear-Related Factor-2 and Nuclear Factor- κ B. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 112, 145-155.	1.2	45
26	Inhibition of PKA attenuates memory deficits induced by β -amyloid (1-42), and decreases oxidative stress and NF- κ B transcription factors. <i>Behavioural Brain Research</i> , 2012, 226, 301-308.	1.2	44
27	Concentration, sources and human health risk of heavy metals and polycyclic aromatic hydrocarbons bound PM2.5 ambient air, Tehran, Iran. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1473-1487.	1.8	44
28	Inhibition study on insulin fibrillation and cytotoxicity by paclitaxel. <i>Journal of Biochemistry</i> , 2014, 155, 361-373.	0.9	42
29	Protective effects of ex-527 on cerebral ischemia-reperfusion injury through necroptosis signaling pathway attenuation. <i>Journal of Cellular Physiology</i> , 2019, 234, 1816-1826.	2.0	40
30	Alginate as an antiglycating agent for human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 180-184.	3.6	39
31	Inhibition of Phosphorylation of JNK Suppresses A β -Induced ER Stress and Upregulates Prosurvival Mitochondrial Proteins in Rat Hippocampus. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 262-269.	1.1	39
32	The Effect of Melatonin on Behavioral, Molecular, and Histopathological Changes in Cuprizone Model of Demyelination. <i>Molecular Neurobiology</i> , 2016, 53, 4675-4684.	1.9	39
33	Dietary Supplementation with tBHQ, an Nrf2 Stabilizer Molecule, Confers Neuroprotection Against Apoptosis in Amyloid β -Injected Rat. <i>Neurochemical Research</i> , 2011, 36, 870-878.	1.6	38
34	Changes in the Levels of p-ERK, p-CREB, and c-fos in Rat Mesocorticolimbic Dopaminergic System After Morphine-Induced Conditioned Place Preference: The Role of Acute and Subchronic Stress. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 277-288.	1.7	38
35	Human Umbilical Cord Matrix Stem Cells Reverse Oxidative Stress-Induced Cell Death and Ameliorate Motor Function and Striatal Atrophy in Rat Model of Huntington Disease. <i>Neurotoxicity Research</i> , 2018, 34, 273-284.	1.3	38
36	L-type calcium channel blockade alleviates molecular and reversal spatial learning and memory alterations induced by entorhinal amyloid pathology in rats. <i>Behavioural Brain Research</i> , 2013, 237, 190-199.	1.2	37

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37	Chitoooligosaccharide-mediated neuroprotection is associated with modulation of Hsps expression and reduction of MAPK phosphorylation. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 726-735.	3.6	35
38	Increase of autophagy and attenuation of apoptosis by Salvigenin promote survival of SH-SY5Y cells following treatment with H ₂ O ₂ . <i>Molecular and Cellular Biochemistry</i> , 2012, 371, 9-22.	1.4	35
39	Melatonin protective effect against amyloid β -induced neurotoxicity mediated by mitochondrial biogenesis; involvement of hippocampal Sirtuin-1 signaling pathway. <i>Physiology and Behavior</i> , 2019, 204, 65-75.	1.0	35
40	Attenuation of LPS-induced apoptosis in NGF-differentiated PC12 cells via NF- κ B pathway and regulation of cellular redox status by an oxazine derivative. <i>Biochimie</i> , 2011, 93, 899-908.	1.3	33
41	Maternal separation blunted spatial memory formation independent of peripheral and hippocampal insulin content in young adult male rats. <i>PLoS ONE</i> , 2018, 13, e0204731.	1.1	33
42	Molecular Mechanism Aspect of ER Stress in Alzheimer's Disease: Current Approaches and Future Strategies. <i>Current Drug Targets</i> , 2013, 14, 114-122.	1.0	32
43	Role of dorsal hippocampal orexin-1 receptors in associating morphine reward with contextual stimuli. <i>Behavioural Pharmacology</i> , 2013, 24, 237-248.	0.8	32
44	Stabilization of Nrf2 by tBHQ prevents LPS-induced apoptosis in differentiated PC12 cells. <i>Molecular and Cellular Biochemistry</i> , 2011, 354, 97-112.	1.4	31
45	Involvement of p-CREB and phase II detoxifying enzyme system in neuroprotection mediated by the flavonoid calycopterin isolated from <i>Dracocephalum kotschyi</i> . <i>Phytomedicine</i> , 2013, 20, 939-946.	2.3	31
46	Aromatase Inhibition Exacerbates Pain and Reactive Gliosis in the Dorsal Horn of the Spinal Cord of Female Rats Caused by Spinothalamic Tract Injury. <i>Endocrinology</i> , 2014, 155, 4341-4355.	1.4	31
47	Hazelnut and neuroprotection: Improved memory and hindered anxiety in response to intra-hippocampal A β injection. <i>Nutritional Neuroscience</i> , 2017, 20, 317-326.	1.5	31
48	Temporal Pattern and Crosstalk of Necroptosis Markers with Autophagy and Apoptosis Associated Proteins in Ischemic Hippocampus. <i>Neurotoxicity Research</i> , 2018, 34, 79-92.	1.3	31
49	Artificial chaperone-assisted refolding of chemically denatured β -amylase. <i>International Journal of Biological Macromolecules</i> , 2005, 35, 257-263.	3.6	29
50	2-Ethoxy-4,5-diphenyl-1,3-oxazine-6-one activates the Nrf2/HO-1 axis and protects against oxidative stress-induced neuronal death. <i>European Journal of Pharmacology</i> , 2011, 658, 84-90.	1.7	29
51	Antioxidant and antiglycating activities of <i>Salvia sahendica</i> and its protective effect against oxidative stress in neuron-like PC12 cells. <i>Journal of Natural Medicines</i> , 2011, 65, 455-465.	1.1	29
52	Effects of 940 MHz EMF on bioluminescence and oxidative response of stable luciferase producing HEK cells. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1082-1092.	1.6	29
53	Inhibition of Akt Phosphorylation Diminishes Mitochondrial Biogenesis Regulators, Tricarboxylic Acid Cycle Activity and Exacerbates Recognition Memory Deficit in Rat Model of Alzheimer's Disease. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 1223-1233.	1.7	29
54	Coenzyme Q10 supplementation improves acute outcomes of stroke in rats pretreated with atorvastatin. <i>Nutritional Neuroscience</i> , 2019, 22, 264-272.	1.5	29

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55	Inhibition of LPS-induced apoptosis in differentiated-PC12 cells by new triazine derivatives through NF- κ B-mediated suppression of COX-2. <i>Neurochemistry International</i> , 2010, 57, 958-968.	1.9	27
56	Involvement of AMPA/Kainate Glutamate Receptor in the Extinction and Reinstatement of Morphine-Induced Conditioned Place Preference: A Behavioral and Molecular Study. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 315-328.	1.7	27
57	Effects of PM2.5 and gases exposure during prenatal and early-life on autism-like phenotypes in male rat offspring. <i>Particle and Fibre Toxicology</i> , 2020, 17, 8.	2.8	27
58	Cationic Albumin-Conjugated Chelating Agent as a Novel Brain Drug Delivery System in Neurodegeneration. <i>Chemical Biology and Drug Design</i> , 2015, 86, 1203-1214.	1.5	26
59	RIP1 Inhibition Rescues from LPS-Induced RIP3-Mediated Programmed Cell Death, Distributed Energy Metabolism and Spatial Memory Impairment. <i>Journal of Molecular Neuroscience</i> , 2015, 57, 219-230.	1.1	26
60	Nucleus incertus inactivation impairs spatial learning and memory in rats. <i>Physiology and Behavior</i> , 2015, 139, 112-120.	1.0	26
61	Control of aggregation in protein refolding: Cooperative effects of artificial chaperone and cold temperature. <i>International Journal of Biological Macromolecules</i> , 2007, 40, 126-133.	3.6	25
62	Geldanamycin Reduces β -Associated Anxiety and Depression, Concurrent with Autophagy Provocation. <i>Journal of Molecular Neuroscience</i> , 2015, 57, 317-324.	1.1	25
63	Involvement of Nrf2 in Development of Anxiety-Like Behavior by Linking Bcl2 to Oxidative Phosphorylation: Estimation in Rat Hippocampus, Amygdala, and Prefrontal Cortex. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 492-499.	1.1	25
64	Nanoplastics-induced oxidative stress, antioxidant defense, and physiological response in exposed Wistar albino rats. <i>Environmental Science and Pollution Research</i> , 2022, 29, 11332-11344.	2.7	25
65	Kinetic aspects of alkaline phosphatase refolding in the presence of β -cyclodextrin. <i>Archives of Biochemistry and Biophysics</i> , 2006, 446, 11-19.	1.4	24
66	Interaction of 2-APB, dantrolene, and TDMT with IP3R and RyR modulates ER stress-induced programmed cell death I and II in neuron-like PC12 cells: an experimental and computational investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 1211-1230.	2.0	24
67	High intensity exercise preconditioning provides differential protection against brain injury following experimental stroke. <i>Life Sciences</i> , 2018, 207, 30-35.	2.0	24
68	Sertoli Cells Avert Neuroinflammation-Induced Cell Death and Improve Motor Function and Striatal Atrophy in Rat Model of Huntington Disease. <i>Journal of Molecular Neuroscience</i> , 2018, 65, 17-27.	1.1	24
69	Investigation of the effect of magnetite iron oxide particles size on cytotoxicity in A549 cell line. <i>Toxicology and Industrial Health</i> , 2019, 35, 703-713.	0.6	24
70	Calycopterin Promotes Survival and Outgrowth of Neuron-Like PC12 Cells by Attenuation of Oxidative- and ER-Stress-Induced Apoptosis along with Inflammatory Response. <i>Chemical Research in Toxicology</i> , 2011, 24, 2280-2292.	1.7	23
71	Gemfibrozil pretreatment proved protection against acute restraint stress-induced changes in the male rats' hippocampus. <i>Brain Research</i> , 2013, 1527, 117-130.	1.1	23
72	Protective Effect of a cAMP Analogue on Behavioral Deficits and Neuropathological Changes in Cuprizone Model of Demyelination. <i>Molecular Neurobiology</i> , 2015, 52, 130-141.	1.9	23

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73	Preconditioning with toll-like receptor agonists attenuates seizure activity and neuronal hyperexcitability in the pilocarpine rat model of epilepsy. <i>Neuroscience</i> , 2019, 408, 388-399.	1.1	23
74	Morphine could increase apoptotic factors in the nucleus accumbens and prefrontal cortex of rat brain's reward circuitry. <i>Brain Research</i> , 2013, 1540, 1-8.	1.1	22
75	Dietary supplementation with <i>Salvia sahendica</i> attenuates memory deficits, modulates CREB and its down-stream molecules and decreases apoptosis in amyloid beta-injected rats. <i>Behavioural Brain Research</i> , 2013, 241, 62-69.	1.2	22
76	Targeting Adenosine Monophosphate-Activated Protein Kinase by Metformin Adjusts Post-Ischemic Hyperemia and Extracellular Neuronal Discharge in Transient Global Cerebral Ischemia. <i>Microcirculation</i> , 2015, 22, 534-541.	1.0	22
77	Sirtuins in Multiple Sclerosis: The crossroad of neurodegeneration, autoimmunity and metabolism. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 34, 47-58.	0.9	22
78	Chemical Composition Analysis, Antioxidant, Antiglycating Activities and Neuroprotective Effects of <i>S. choleroleuca</i> , <i>S. mirzayanii</i> and <i>S. santolinifolia</i> from Iran. <i>The American Journal of Chinese Medicine</i> , 2011, 39, 615-638.	1.5	21
79	Preventing Effect of L-Type Calcium Channel Blockade on Electrophysiological Alterations in Dentate Gyrus Granule Cells Induced by Entorhinal Amyloid Pathology. <i>PLoS ONE</i> , 2015, 10, e0117555.	1.1	21
80	Anxiolytic impact of Apelin-13 in a rat model of Alzheimer's disease: Involvement of glucocorticoid receptor and FKBP5. <i>Peptides</i> , 2019, 118, 170102.	1.2	21
81	A New Artificial Chaperone for Protein Refolding: Sequential Use of Detergent and Alginate. <i>Protein Journal</i> , 2008, 27, 123-129.	0.7	20
82	Silencing of Hsp90 Chaperone Expression Protects Against 6-Hydroxydopamine Toxicity in PC12 Cells. <i>Journal of Molecular Neuroscience</i> , 2014, 52, 392-402.	1.1	20
83	The Interaction Between Intrathecal Administration of Low Doses of Palmitoylethanolamide and AM251 in Formalin-Induced Pain Related Behavior and Spinal Cord IL1- β Expression in Rats. <i>Neurochemical Research</i> , 2012, 37, 778-785.	1.6	19
84	Sodium dodecyl sulphate modulates the fibrillation of human serum albumin in a dose-dependent manner and impacts the PC12 cells retraction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 341-349.	2.5	19
85	The fluctuations of metabotropic glutamate receptor subtype 5 (mGluR5) in the amygdala in fear conditioning model of male Wistar rats following sleep deprivation, reverse circadian and napping. <i>Brain Research</i> , 2020, 1734, 146739.	1.1	19
86	Time course study of $A\beta$ formation and neurite outgrowth disruption in differentiated human neuroblastoma cells exposed to H ₂ O ₂ : Protective role of autophagy. <i>Toxicology in Vitro</i> , 2013, 27, 1780-1788.	1.1	18
87	Encapsulated Choroid Plexus Epithelial Cells Actively Protect Against Intrahippocampal $A\beta$ -induced Long-Term Memory Dysfunction; Upregulation of Effective Neurogenesis with the Abrogated Apoptosis and Neuroinflammation. <i>Journal of Molecular Neuroscience</i> , 2015, 56, 708-721.	1.1	18
88	PEGylated superparamagnetic iron oxide nanoparticles (SPIONs) ameliorate learning and memory deficit in a rat model of Alzheimer's disease: Potential participation of STIMs. <i>NeuroToxicology</i> , 2021, 85, 145-159.	1.4	18
89	Mitochondrial Aconitase in Neurodegenerative Disorders: Role of a Metabolism-related Molecule in Neurodegeneration. <i>Current Drug Targets</i> , 2018, 19, 973-985.	1.0	18
90	Effect of early life stress on pancreatic isolated islets insulin secretion in young adult male rats subjected to chronic stress. <i>Endocrine</i> , 2015, 48, 493-503.	1.1	17

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91	Progesterone modulates post-traumatic epileptogenesis through regulation of BDNF-TrkB signaling and cell survival-related pathways in the rat hippocampus. <i>Neuroscience Letters</i> , 2019, 709, 134384.	1.0	17
92	Individual and combined toxicity of carboxylic acid functionalized multi-walled carbon nanotubes and benzo a pyrene in lung adenocarcinoma cells. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12709-12719.	2.7	17
93	Artificial Chaperone-assisted Refolding of CuHCl-Denatured Î±-Amylase at Low Temperature: Refolding versus Aggregation. <i>Protein Journal</i> , 2005, 24, 303-313.	0.7	16
94	Curcumin Protects Î²-Lactoglobulin Fibril Formation and Fibril-Induced Neurotoxicity in PC12Cells. <i>PLoS ONE</i> , 2015, 10, e0133206.	1.1	16
95	Beyond the 5-HT3 receptors. <i>Human and Experimental Toxicology</i> , 2015, 34, 922-931.	1.1	16
96	The involvement of protein kinase G inhibitor in regulation of apoptosis and autophagy markers in spatial memory deficit induced by AÎ². <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 364-375.	1.0	16
97	Subchronic metformin pretreatment enhances novel object recognition memory task in forebrain ischemia: behavioural, molecular, and electrophysiological studies. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 388-395.	0.7	16
98	Transplantation of human dental pulp stem cells compensates for striatal atrophy and modulates neuro-inflammation in 3-nitropropionic acid rat model of Huntingtonâ€™s disease. <i>Neuroscience Research</i> , 2021, 170, 133-144.	1.0	16
99	Evaluation of Chaperone-like Activity of Alginate: Microcapsule and Water-soluble Forms. <i>Protein Journal</i> , 2009, 28, 124-130.	0.7	15
100	<i>S. choleroleuca</i> , <i>S. mirzayanii</i> and <i>S. santolinifolia</i> protect PC12 cells from H2O2-induced apoptosis by blocking the intrinsic pathway. <i>Cytotechnology</i> , 2012, 64, 403-419.	0.7	15
101	Basolateral amygdala GABA-A receptors mediate stress-induced memory retrieval impairment in rats. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 603-612.	1.0	15
102	Paradoxical role of PKA inhibitor on amyloidÎ²-induced memory deficit. <i>Physiology and Behavior</i> , 2015, 149, 76-85.	1.0	15
103	Collaboration of geldanamycin-activated P70S6K and Hsp70 against beta-amyloid-induced hippocampal apoptosis: an approach to long-term memory and learning. <i>Cell Stress and Chaperones</i> , 2015, 20, 309-319.	1.2	15
104	Hippocampal signaling pathways are involved in stress-induced impairment of memory formation in rats. <i>Brain Research</i> , 2015, 1625, 54-63.	1.1	15
105	Inactivation of nucleus incertus impairs passive avoidance learning and long term potentiation of the population spike in the perforant path-dentate gyrus evoked field potentials in rats. <i>Neurobiology of Learning and Memory</i> , 2016, 130, 185-193.	1.0	15
106	The role of sleep disturbances in depressive-like behavior with emphasis on Î±-ketoglutarate dehydrogenase activity in rats.. <i>Physiology and Behavior</i> , 2020, 224, 113023.	1.0	15
107	Targeting enteroviral 2A protease by a 16-mer synthetic peptide: Inhibition of 2Apro-induced apoptosis in a stable Tet-on HeLa cell line. <i>Virology</i> , 2010, 399, 39-45.	1.1	14
108	Conditioned Media of Choroid Plexus Epithelial Cells Induces Nrf2-Activated Phase II Antioxidant Response Proteins and Suppresses Oxidative Stress-Induced Apoptosis in PC12 Cells. <i>Journal of Molecular Neuroscience</i> , 2014, 53, 617-625.	1.1	14

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109	Reduction of autophagy markers mediated protective effects of JNK inhibitor and bucladesine on memory deficit induced by A β 2 in rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016, 389, 501-510.	1.4	14
110	Neuroprotective Effect of <i>Salvia sahendica</i> is Mediated by Restoration of Mitochondrial Function and Inhibition of Endoplasmic Reticulum Stress. <i>Neurochemical Research</i> , 2011, 36, 2216-2226.	1.6	13
111	How sodium arsenite improve amyloid β 2-induced memory deficit?. <i>Physiology and Behavior</i> , 2016, 163, 97-106.	1.0	13
112	Additive toxicity of Co-exposure to pristine multi-walled carbon nanotubes and benzo \pm pyrene in lung cells. <i>Environmental Research</i> , 2020, 183, 109219.	3.7	13
113	Ameliorating of Memory Impairment and Apoptosis in Amyloid β 2-Injected Rats Via Inhibition of Nitric Oxide Synthase: Possible Participation of Autophagy. <i>Iranian Journal of Pharmaceutical Research</i> , 2015, 14, 811-24.	0.3	13
114	Silencing of Hsp70 Intensifies 6-OHDA-Induced Apoptosis and Hsp90 Upregulation in PC12 Cells. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 174-183.	1.1	12
115	Maternal high-fat diet intensifies the metabolic response to stress in male rat offspring. <i>Nutrition and Metabolism</i> , 2017, 14, 20.	1.3	12
116	Neuroprotective effect of exogenous melatonin on the noradrenergic neurons of adult male ratsâ€™ locus coeruleus nucleus following REM sleep deprivation. <i>Journal of Chemical Neuroanatomy</i> , 2019, 100, 101656.	1.0	12
117	Oxytocin protects against 3-NP induced learning and memory impairment in rats: Sex differences in behavioral and molecular responses to the context of prenatal stress. <i>Behavioural Brain Research</i> , 2020, 379, 112354.	1.2	12
118	Intranasal insulin improves the structureâ€™function of the brain mitochondrial ATPâ€™sensitive Ca ²⁺ activated potassium channel and respiratory chain activities under diabetic conditions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166075.	1.8	12
119	Kaempferol promotes memory retention and density of hippocampal CA1 neurons in intra-cerebroventricular STZ-induced experimental AD model in Wistar rats. <i>Biologija (Vilnius)</i> , Tj ETQq1 1 0.784314.org/Overlock 10	0.784314	12
120	Acute 17 β -Estradiol Pretreatment Protects Against Abdominal Aortic Occlusion Induced Spinal Cord Ischemic-Reperfusion Injury. <i>Neurochemical Research</i> , 2011, 36, 268-280.	1.6	11
121	Dietary supplementation with <i>Salvia sahendica</i> attenuates acetylcholinesterase activity and increases mitochondrial transcription factor A and antioxidant proteins in the hippocampus of amyloid beta-injected rats. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 1555-1562.	1.2	11
122	A novel traumatic brain injury model for induction of mild brain injury in rats. <i>Journal of Neuroscience Methods</i> , 2014, 233, 18-27.	1.3	11
123	Administration of the Glial Condition Medium in the Nucleus Accumbens Prolong Maintenance and Intensify Reinstatement of Morphine-Seeking Behavior. <i>Neurochemical Research</i> , 2016, 41, 855-868.	1.6	11
124	Individual Subnuclei of the Rat Anterior Thalamic Nuclei Differently affect Spatial Memory and Passive Avoidance Tasks. <i>Neuroscience</i> , 2020, 444, 19-32.	1.1	11
125	3-Thiomethyl-5,6-(dimethoxyphenyl)-1,2,4-triazine improves neurite outgrowth and modulates MAPK phosphorylation and HSPs expression in H ₂ O ₂ -exposed PC12 cells. <i>Toxicology in Vitro</i> , 2012, 26, 907-914.	1.1	10
126	The effect of arsenite on spatial learning: Involvement of autophagy and apoptosis. <i>European Journal of Pharmacology</i> , 2017, 796, 54-61.	1.7	10

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127	Naloxone-precipitated withdrawal ameliorates impairment of cost-benefit decision making in morphine-treated rats: Involvement of BDNF, p-GSK3- β , and p-CREB in the amygdala. <i>Neurobiology of Learning and Memory</i> , 2020, 167, 107138.	1.0	10
128	Involvement of molecular chaperones and the transcription factor Nrf2 in neuroprotection mediated by para-substituted-4,5-diaryl-3-thiomethyl-1,2,4-triazines. <i>Cell Stress and Chaperones</i> , 2012, 17, 409-422.	1.2	9
129	Simultaneous Inhibition of COX-2 and Activation of PPAR- γ Resulted in the Same Level and Pattern of Neuroprotection as They were Targeted Separately. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 116-129.	1.1	9
130	Oxytocin is involved in the proconvulsant effects of Sildenafil: Possible role of CREB. <i>Toxicology Letters</i> , 2016, 256, 44-52.	0.4	9
131	Decrease of high voltage Ca ²⁺ currents in the dentate gyrus granule cells by entorhinal amyloidopathy is reversed by calcium channel blockade. <i>European Journal of Pharmacology</i> , 2017, 794, 154-161.	1.7	9
132	Dietary supplementation with <i>Allium hirtifolium</i> and/or <i>Astragalus hamosus</i> improved memory and reduced neuro-inflammation in the rat model of Alzheimer's disease. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 558-564.	0.9	9
133	Oxytocin Prevents the Development of 3-NP-Induced Anxiety and Depression in Male and Female Rats: Possible Interaction of OXTR and mGluR2. <i>Cellular and Molecular Neurobiology</i> , 2020, , 1.	1.7	9
134	Changes in mitochondrial function in patients with neuromyelitis optica; correlations with motor and cognitive disabilities. <i>PLoS ONE</i> , 2020, 15, e0230691.	1.1	9
135	Lithium increases radiosensitivity by abrogating DNA repair in breast cancer spheroid culture. <i>Archives of Iranian Medicine</i> , 2014, 17, 352-60.	0.2	9
136	Beneficial Effect of Flavone Derivatives on A β -Induced Memory Deficit Is Mediated by Peroxisome Proliferator-Activated Receptor β Coactivator 1 α . <i>International Journal of Toxicology</i> , 2015, 34, 274-283.	0.6	8
137	Nitric Oxide and Protein Disulfide Isomerase Explain the Complexities of Unfolded Protein Response Following Intra-hippocampal A β Injection. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 873-881.	1.7	8
138	Necroptosis Resumes Apoptosis in Hippocampus but Not in Frontal Cortex. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4628-4638.	1.2	8
139	Reversible inactivation of interpeduncular nucleus impairs memory consolidation and retrieval but not learning in rats: A behavioral and molecular study. <i>Behavioural Brain Research</i> , 2018, 342, 79-88.	1.2	8
140	Paclitaxel inhibited lysozyme fibrillation by increasing colloidal stability through formation of β -sheet-pathway oligomers. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 870-879.	3.6	8
141	The effects of combined exposure to noise and heat on human salivary cortisol and blood pressure. <i>International Journal of Occupational Safety and Ergonomics</i> , 2019, 27, 1-9.	1.1	8
142	The effect of single and combined exposures to magnetite and polymorphous silicon dioxide nanoparticles on the human A549 cell line: in vitro study. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31752-31762.	2.7	8
143	Co-exposure to ambient PM _{2.5} plus gaseous pollutants increases amyloid β 1-42 accumulation in the hippocampus of male and female rats. <i>Toxin Reviews</i> , 2019, , 1-10.	1.5	8
144	Long-term high-fat diet disrupts lipid metabolism and causes inflammation in adult male rats: possible intervention of endoplasmic reticulum stress. <i>Archives of Physiology and Biochemistry</i> , 2023, 129, 204-212.	1.0	8

#	ARTICLE	IF	CITATIONS
145	A role for flavonoids in the prevention and/or treatment of cognitive dysfunction, learning, and memory deficits: a review of preclinical and clinical studies. <i>Nutritional Neuroscience</i> , 2023, 26, 156-172.	1.5	8
146	Designing a Highly Efficient Refolding System for Alkaline Phosphatase using Combination of Cyclodextrin and Mg ²⁺ Ion. <i>Protein Journal</i> , 2008, 27, 1-6.	0.7	7
147	Inhibition of oxidative stress-induced amyloid β formation in NT2 neurons by culture filtrate of a strain of <i>Streptomyces antibioticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1805-1811.	1.7	7
148	Effect of physical stress on the alteration of mesolimbic system apoptotic factors in conditioned place preference paradigm. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 124, 231-237.	1.3	7
149	Association of Long-Term Atorvastatin with Escalated Stroke-Induced Neuroinflammation in Rats. <i>Journal of Molecular Neuroscience</i> , 2017, 61, 32-41.	1.1	7
150	Exercise training with concomitant nitric oxide synthase inhibition improved anxiogenic behavior, spatial cognition, and BDNF/P70S6 kinase activation in 20-month-old rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 45-53.	0.9	7
151	Chronic Exposure to Tramadol Induces Neurodegeneration in the Cerebellum of Adult Male Rats. <i>Neurotoxicity Research</i> , 2021, 39, 1134-1147.	1.3	7
152	Neuronal injury and death following focal mild brain injury: The role of network excitability and seizure. <i>Iranian Journal of Basic Medical Sciences</i> , 2020, 23, 63-70.	1.0	7
153	Cooperative effects of artificial chaperone and Mg ²⁺ ions on alkaline phosphatase refolding. <i>Biochemical Engineering Journal</i> , 2007, 36, 123-130.	1.8	6
154	Assessing Competence of Broccoli Consumption on Inflammatory and Antioxidant Pathways in Restraint-Induced Models: Estimation in Rat Hippocampus and Prefrontal Cortex. <i>BioMed Research International</i> , 2013, 2013, 1-13.	0.9	6
155	<i>Salvia macilenta</i> exhibits antiglycating activity and protects PC12 cells against H ₂ O ₂ -induced apoptosis. <i>Cytotechnology</i> , 2014, 66, 169-179.	0.7	6
156	Resveratrol Protects Purkinje Neurons and Restores Muscle Activity in Rat Model of Cerebellar Ataxia. <i>Journal of Molecular Neuroscience</i> , 2018, 65, 35-42.	1.1	6
157	Modulatory role of the intra-accumbal CB1 receptor in protein level of the c-fos and pCREB/CREB ratio in the nucleus accumbens and ventral tegmental area in extinction and morphine seeking in the rats. <i>Brain Research Bulletin</i> , 2018, 142, 320-327.	1.4	6
158	Alzheimer and depressive cognitive-like behaviors in male and female rats: A new method for exposure to ambient air pollution. <i>MethodsX</i> , 2019, 6, 690-703.	0.7	6
159	The Effect of Particle Size on the Cytotoxicity of Amorphous Silicon Dioxide: An in Vitro Toxicological Study. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 325-332.	0.5	6
160	Changes in apoptotic factors in hypothalamus and hippocampus after acute and subchronic stress induction during conditioned place preference paradigm. <i>EXCLI Journal</i> , 2013, 12, 1001-16.	0.5	6
161	Homology modeling, docking, molecular dynamics simulation, and structural analyses of coxsakievirus B3 2A protease: An enzyme involved in the pathogenesis of inflammatory myocarditis. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 487-492.	3.6	5
162	Dual Contradictory Effect of H-89 on Neuronal Retraction, Death and Inflammation in Differentiated PC12 Cells Subjected to Oxidative Stress. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 1030-1037.	1.1	5

#	ARTICLE	IF	CITATIONS
163	Morphine-Induced Apoptosis in the Ventral Tegmental Area and Hippocampus After the Development but not Extinction of Reward-Related Behaviors in Rats. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 235-245.	1.7	5
164	Complexity of Compensatory Effects in Nrf1 Knockdown: Linking Undeveloped Anxiety-Like Behavior to Prevented Mitochondrial Dysfunction and Oxidative Stress. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 553-563.	1.7	5
165	Combined toxicity of multi-walled carbon nanotubes and benzo [a] pyrene in human epithelial lung cells. <i>Toxin Reviews</i> , 2019, 38, 212-222.	1.5	5
166	Frontocingulate Dysfunction Is Associated with Depression and Decreased Serum PON1 in Methamphetamine-Dependent Patients. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 489-499.	1.0	5
167	Preparation, characterization, and in vivo evaluation of Rose damascene extract loaded solid lipid nanoparticles for targeted brain delivery. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 1373-1382.	1.4	5
168	The 40-Hz White Light-Emitting Diode (LED) Improves the Structure and Function of the Brain Mitochondrial KATP Channel and Respiratory Chain Activities in Amyloid Beta Toxicity. <i>Molecular Neurobiology</i> , 2022, 59, 2424-2440.	1.9	5
169	Purification and partial characterization of coxsakievirus B3 2A protease expressed in <i>Escherichia coli</i> . <i>International Journal of Biological Macromolecules</i> , 2008, 43, 238-244.	3.6	4
170	Antimanic drug sensitizes breast cancer cell line to ionizing radiation. <i>General Physiology and Biophysics</i> , 2014, 33, 235-242.	0.4	4
171	Brain Region Specificity of Mitochondrial Biogenesis and Bioenergetics Response to Nrf2 Knockdown: A Comparison Among Hippocampus, Prefrontal Cortex and Amygdala of Male Rat Brain. <i>Brazilian Archives of Biology and Technology</i> , 2017, 60, .	0.5	4
172	Minocycline induces the expression of intra-accumbal glutamate transporter-1 in the morphine-dependent rats. <i>Asian Journal of Psychiatry</i> , 2019, 46, 70-73.	0.9	4
173	Grafted human chorionic stem cells restore motor function and preclude cerebellar neurodegeneration in rat model of cerebellar ataxia. <i>Metabolic Brain Disease</i> , 2020, 35, 615-625.	1.4	4
174	Quality of early-life maternal care predicts empathy-like behavior in adult male rats: Linking empathy to BDNF gene expression in associated brain regions. <i>Brain Research</i> , 2021, 1767, 147568.	1.1	4
175	Assessment of lipophilic fluorescence products in β -amyloid-induced cognitive decline: A parallel track in hippocampus, CSF, plasma and erythrocytes. <i>Experimental Gerontology</i> , 2022, 157, 111645.	1.2	4
176	Biosorption and bioaccumulation of nickel by probiotic lactic acid bacteria isolated from human feces. <i>Bioremediation Journal</i> , 0, , 1-12.	1.0	4
177	Protective effects of salicylate on PKA inhibitor (H-89)-induced spatial memory deficit via lessening autophagy and apoptosis in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 150-151, 158-169.	1.3	3
178	Time-Dependent Changes in the Serum Levels of Neurobiochemical Factors After Acute Methadone Overdose in Adolescent Male Rat. <i>Cellular and Molecular Neurobiology</i> , 2020, 41, 1635-1649.	1.7	3
179	Altered D2 receptor and transcription factor EB expression in offspring of aggressive male rats, along with having depressive and anxiety-like behaviors. <i>International Journal of Neuroscience</i> , 2021, 131, 789-799.	0.8	3
180	Interval aerobic training improves bioenergetics state and mitochondrial dynamics of different brain regions in restraint stressed rats. <i>Molecular Biology Reports</i> , 2021, 48, 2071-2082.	1.0	3

#	ARTICLE	IF	CITATIONS
181	Interactive toxicity effect of combined exposure to hematite and amorphous silicon dioxide nanoparticles in human A₅₄₉ cell line. <i>Toxicology and Industrial Health</i> , 2021, 37, 289-302.	0.6	3
182	Investigation of the effects of maternal separation on the pancreatic oxidative and inflammatory damages along with metabolic impairment in response to chronic social defeat stress in young adult male rats. <i>Journal of Diabetes and Metabolic Disorders</i> , 2021, 20, 1557-1565.	0.8	3
183	Protective Effect of a Polyherbal Traditional Formula Consisting of Mill., L. And DC., Against Ethanol-induced Gastric Ulcer. <i>Iranian Journal of Pharmaceutical Research</i> , 2017, 16, 694-707.	0.3	3
184	Combined molecular, structural and memory data unravel the destructive effect of tramadol on hippocampus. <i>Neuroscience Letters</i> , 2022, 771, 136418.	1.0	3
185	Pancreatic HB9 protein level is affected by early life stress in young adult rats: possible involvement of TNF- α and corticosterone. <i>Archives of Physiology and Biochemistry</i> , 2019, 127, 1-8.	1.0	2
186	Prevention of recognition memory loss and moderation of mitochondrial dynamic tendency toward fusion by flavone derivatives in A β -injected rats: a comparison between two flavonoids with different polarity. <i>Nutritional Neuroscience</i> , 2019, 22, 295-301.	1.5	2
187	Inflammation but not programmed cell death is activated in methamphetamine-dependent patients: Relevance to the brain function. <i>International Journal of Psychophysiology</i> , 2020, 157, 42-50.	0.5	2
188	Impairment of cost-benefit decision making in morphine-dependent rats is partly mediated via the alteration of BDNF and p-CREB levels in the nucleus accumbens. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 194, 172952.	1.3	2
189	Molecular Mechanism Aspect of ER Stress in Alzheimer's Disease: Current Approaches and Future Strategies. <i>Current Drug Targets</i> , 2012, 14, 114-122.	1.0	2
190	Vulnerability of Left Amygdala to Total Sleep Deprivation and Reversed Circadian Rhythm in Molecular Level: Glut1 as a Metabolic Biomarker. , 2019, 8, 970.		2
191	Effects of Maternal Deprivation on Anxiety, Depression, and Empathy in Male and Female Offspring of Wistar Rats in the Face of Novel Objects. , 2019, 8, 1093.		2
192	BDNF and p-GSK3 β in the hippocampus mediate the impairment of delay-based decision making in morphine-dependent rats. <i>NeuroReport</i> , 2020, 31, 1208-1214.	0.6	2
193	Peroxisomal Malfunction Caused by Mitochondrial Toxin 3-NP: Protective Role of Oxytocin. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 296-307.	0.3	2
194	Calcium Channel Blockade Ameliorates Endoplasmic Reticulum Stress in the Hippocampus Induced by Amyloidopathy in the Entorhinal Cortex. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 1466-1476.	0.3	2
195	Mitochondrial Complex I Is an Essential Player in LPS-Induced Preconditioning in Differentiated PC12 Cells. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 1445-1455.	0.3	2
196	The Glycophosphatidylinositol Anchor Oppositely Affects Unfolding and Refolding of Alkaline Phosphatase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2007, 25, 189-194.	2.0	1
197	Alkaline phosphatase refolding assisted by sequential use of oppositely charged detergents: A new artificial chaperone system. <i>International Journal of Biological Macromolecules</i> , 2008, 42, 195-202.	3.6	1
198	Differential impact of treadmill training on stroke-induced neurological disorders. <i>Brain Injury</i> , 2017, 31, 1910-1917.	0.6	1

#	ARTICLE	IF	CITATIONS
199	Antagonistic effect of co-exposure to short-multiwalled carbon nanotubes and benzo[a]pyrene in human lung cells (A549). <i>Toxicology and Industrial Health</i> , 2019, 35, 445-456.	0.6	1
200	How cytosolic compartments play safeguard functions against neuroinflammation and cell death in cerebral ischemia. <i>Metabolic Brain Disease</i> , 2021, 36, 1445-1467.	1.4	1
201	Paternal stress in rats increased oxytocin, oxytocin receptor, and arginine vasopressin gene expression in the male offspring amygdala with no effect on their social interaction behaviors. <i>NeuroReport</i> , 2022, 33, 48-54.	0.6	1
202	Perinatal stress exposure induced oxidative stress, metabolism disorder, and reduced GLUT-2 in adult offspring of rats. <i>Hormones</i> , 0, , .	0.9	1
203	Comparative Evaluation of α -Amylase Refolding Through Two Different Artificial Chaperone Systems. <i>Protein Journal</i> , 2007, 26, 293-301.	0.7	0
204	Designing a Highly Efficient Chemical Chaperone System Using Chitosan-Coated Alginate. <i>Protein Journal</i> , 2010, 29, 343-349.	0.7	0
205	ISDN2014_0126: REMOVED: TBI enhances seizure susceptibility via affecting BDNF \rightarrow TrkB signaling pathway. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 36-36.	0.7	0
206	STIM1, STIM2, and PDI Participate in Cellular Fate Decisions in Low Energy Availability Induced by 3-NP in Male Rats. <i>Neurotoxicity Research</i> , 2021, 39, 1459-1469.	1.3	0
207	Metformin improves bioenergetics state and mitochondrial dynamics of different brain regions in restraint stressed rats. <i>Journal of the Neurological Sciences</i> , 2021, 429, 119361.	0.3	0
208	Early-life stress altered pancreatic Krebs cycle-related enzyme activities in response to young adulthood physical and psychological stress in male rat offspring. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2021, 42, 19-27.	0.3	0