

Hyoung-Chun Kim

List of Publications by Year in descending order

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252
papers

7,992
citations

53660

45
h-index

85405

71
g-index

257
all docs

257
docs citations

257
times ranked

8896
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of oxidative stress in epileptic seizures. <i>Neurochemistry International</i> , 2011, 59, 122-137.	1.9	335
2	Inflammation induces mitochondrial dysfunction and dopaminergic neurodegeneration in the nigrostriatal system. <i>Journal of Neurochemistry</i> , 2007, 100, 1375-1386.	2.1	282
3	Cognition impairment in the genetic model of aging klotho gene mutant mice: a role of oxidative stress. <i>FASEB Journal</i> , 2003, 17, 50-52.	0.2	270
4	β -Amyloid (1 α -42)-induced learning and memory deficits in mice: involvement of oxidative burdens in the hippocampus and cerebral cortex. <i>Behavioural Brain Research</i> , 2004, 155, 185-196.	1.2	171
5	Role of Tumor Necrosis Factor- α in Methamphetamine-Induced Drug Dependence and Neurotoxicity. <i>Journal of Neuroscience</i> , 2004, 24, 2212-2225.	1.7	158
6	Interleukin-10 protects against inflammation-mediated degeneration of dopaminergic neurons in substantia nigra. <i>Neurobiology of Aging</i> , 2007, 28, 894-906.	1.5	119
7	Striatal Neuroinflammation Promotes Parkinsonism in Rats. <i>PLoS ONE</i> , 2009, 4, e5482.	1.1	113
8	Panax ginseng as an adjuvant treatment for Alzheimer's disease. <i>Journal of Ginseng Research</i> , 2018, 42, 401-411.	3.0	112
9	Nobiletin, a citrus flavonoid, improves cognitive impairment and reduces soluble A β levels in a triple transgenic mouse model of Alzheimer's disease (3XTg-AD). <i>Behavioural Brain Research</i> , 2015, 289, 69-77.	1.2	111
10	Gintonin, a Ginseng-Derived Lysophosphatidic Acid Receptor Ligand, Attenuates Alzheimer's Disease-Related Neuropathies: Involvement of Non-Amyloidogenic Processing. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 207-223.	1.2	109
11	Ginsenoside Re Rescues Methamphetamine-Induced Oxidative Damage, Mitochondrial Dysfunction, Microglial Activation, and Dopaminergic Degeneration by Inhibiting the Protein Kinase C γ Gene. <i>Molecular Neurobiology</i> , 2014, 49, 1400-1421.	1.9	99
12	Beneficial effects of phosphatidylcholine on high-fat diet-induced obesity, hyperlipidemia and fatty liver in mice. <i>Life Sciences</i> , 2014, 118, 7-14.	2.0	99
13	METRNL attenuates lipid-induced inflammation and insulin resistance via AMPK or PPAR γ -dependent pathways in skeletal muscle of mice. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-11.	3.2	97
14	Nobiletin, a citrus flavonoid, ameliorates cognitive impairment, oxidative burden, and hyperphosphorylation of tau in senescence-accelerated mouse. <i>Behavioural Brain Research</i> , 2013, 250, 351-360.	1.2	94
15	Protection of methamphetamine nigrostriatal toxicity by dietary selenium. <i>Brain Research</i> , 1999, 851, 76-86.	1.1	90
16	Role of glutathione peroxidase in the ontogeny of hippocampal oxidative stress and kainate seizure sensitivity in the genetically epilepsy-prone rats. <i>Neurochemistry International</i> , 2008, 52, 1134-1147.	1.9	89
17	Trichloroethylene induces dopaminergic neurodegeneration in Fisher 344 rats. <i>Journal of Neurochemistry</i> , 2010, 112, 773-783.	2.1	87
18	Improvement by minocycline of methamphetamine-induced impairment of recognition memory in mice. <i>Psychopharmacology</i> , 2008, 196, 233-241.	1.5	83

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19	Silibinin attenuates cognitive deficits and decreases of dopamine and serotonin induced by repeated methamphetamine treatment. <i>Behavioural Brain Research</i> , 2010, 207, 387-393.	1.2	79
20	3 α -Hydroxymorphinan, a metabolite of dextromethorphan, protects nigrostriatal pathway against MPTP α -elicited damage both in vivo and in vitro. <i>FASEB Journal</i> , 2006, 20, 2496-2511.	0.2	77
21	Current understanding of methamphetamine-associated dopaminergic neurodegeneration and psychotoxic behaviors. <i>Archives of Pharmacal Research</i> , 2017, 40, 403-428.	2.7	77
22	Apocynin prevents mitochondrial burdens, microglial activation, and pro-apoptosis induced by a toxic dose of methamphetamine in the striatum of mice via inhibition of p47phox activation by ERK. <i>Journal of Neuroinflammation</i> , 2016, 13, 12.	3.1	75
23	Effects of a Novel Cognitive Enhancer, Spiro[imidazo-[1,2-a]pyridine-3,2-indan]-2(3H)-one (ZSET1446), on Learning Impairments Induced by Amyloid- β 1 α 40 in the Rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1079-1087.	1.3	74
24	Substance P Exacerbates Dopaminergic Neurodegeneration through Neurokinin-1 Receptor-Independent Activation of Microglial NADPH Oxidase. <i>Journal of Neuroscience</i> , 2014, 34, 12490-12503.	1.7	70
25	Asprosin attenuates insulin signaling pathway through PKC β -activated ER stress and inflammation in skeletal muscle. <i>Journal of Cellular Physiology</i> , 2019, 234, 20888-20899.	2.0	69
26	Maresin 1 attenuates NAFLD by suppression of endoplasmic reticulum stress via AMPK α -SERCA2b pathway. <i>Journal of Biological Chemistry</i> , 2018, 293, 3981-3988.	1.6	68
27	Selenium deficiency potentiates methamphetamine-induced nigral neuronal loss; comparison with MPTP model. <i>Brain Research</i> , 2000, 862, 247-252.	1.1	67
28	Phenidone prevents kainate-induced neurotoxicity via antioxidant mechanisms. <i>Brain Research</i> , 2000, 874, 15-23.	1.1	66
29	3 α -Hydroxymorphinan is neurotrophic to dopaminergic neurons and is also neuroprotective against LPS α -induced neurotoxicity. <i>FASEB Journal</i> , 2005, 19, 1-25.	0.2	65
30	Endogenous dynorphin protects against neurotoxin-elicited nigrostriatal dopaminergic neuron damage and motor deficits in mice. <i>Journal of Neuroinflammation</i> , 2012, 9, 124.	3.1	65
31	Inactivation of JAK2/STAT3 Signaling Axis and Downregulation of M1 mAChR Cause Cognitive Impairment in klotho Mutant Mice, a Genetic Model of Aging. <i>Neuropsychopharmacology</i> , 2013, 38, 1426-1437.	2.8	65
32	Role of Mitochondria in Methamphetamine-Induced Dopaminergic Neurotoxicity: Involvement in Oxidative Stress, Neuroinflammation, and Pro-apoptosis α A Review. <i>Neurochemical Research</i> , 2018, 43, 66-78.	1.6	63
33	Role of oxidative stress in methamphetamine-induced dopaminergic toxicity mediated by protein kinase C β . <i>Behavioural Brain Research</i> , 2012, 232, 98-113.	1.2	61
34	The dextromethorphan analog dimemorfan attenuates kainate-induced seizures via δ 1 receptor activation: comparison with the effects of dextromethorphan. <i>British Journal of Pharmacology</i> , 2005, 144, 908-918.	2.7	59
35	Protective potential of IL-6 against trimethyltin-induced neurotoxicity in vivo. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1159-1174.	1.3	58
36	Liposomal melatonin rescues methamphetamine α -elicited mitochondrial burdens, pro α -apoptosis, and dopaminergic degeneration through the inhibition PKC β gene. <i>Journal of Pineal Research</i> , 2015, 58, 86-106.	3.4	55

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37	Fustin flavonoid attenuates β -amyloid (1-42)-induced learning impairment. <i>Journal of Neuroscience Research</i> , 2009, 87, 3658-3670.	1.3	54
38	Potential of methamphetamine neurotoxicity by intrastriatal lipopolysaccharide administration. <i>Neurochemistry International</i> , 2010, 56, 229-244.	1.9	54
39	Changes of hippocampal Cu/Zn-superoxide dismutase after kainate treatment in the rat. <i>Brain Research</i> , 2000, 853, 215-226.	1.1	53
40	Evaluation of emotional behaviors in young offspring of C57BL/6J mice after gestational and/or perinatal exposure to nicotine in six different time-windows. <i>Behavioural Brain Research</i> , 2013, 239, 80-89.	1.2	53
41	Oral Administration of Gintonin Attenuates Cholinergic Impairments by Scopolamine, Amyloid- β Protein, and Mouse Model of Alzheimer's Disease. <i>Molecules and Cells</i> , 2015, 38, 796-805.	1.0	51
42	Ginsenoside Re protects methamphetamine-induced mitochondrial burdens and proapoptosis via genetic inhibition of protein kinase C δ in human neuroblastoma dopaminergic SH-SY5Y cell lines. <i>Journal of Applied Toxicology</i> , 2015, 35, 927-944.	1.4	50
43	Synergistic Depletion of Astrocytic Glutathione by Glucose Deprivation and Peroxynitrite. <i>Journal of Neurochemistry</i> , 2008, 74, 1989-1998.	2.1	49
44	Involvement of Genetic and Environmental Factors in the Onset of Depression. <i>Experimental Neurobiology</i> , 2013, 22, 235-243.	0.7	49
45	Long-Lasting Impairment of Associative Learning Is Correlated with a Dysfunction of N-Methyl-d-aspartate-Extracellular Signaling-Regulated Kinase Signaling in Mice after Withdrawal from Repeated Administration of Phencyclidine. <i>Molecular Pharmacology</i> , 2005, 68, 1765-1774.	1.0	48
46	Oxidative damage causes formation of lipofuscin-like substances in the hippocampus of the senescence-accelerated mouse after kainate treatment. <i>Behavioural Brain Research</i> , 2002, 131, 211-220.	1.2	46
47	Evaluation of object-based attention in mice. <i>Behavioural Brain Research</i> , 2011, 220, 185-193.	1.2	46
48	Suppression of metastasis of intravenously-inoculated B16/F10 melanoma cells by the novel ginseng-derived ingredient, gintonin: Involvement of autotaxin inhibition. <i>International Journal of Oncology</i> , 2013, 42, 317-326.	1.4	46
49	An immunocytochemical study of mitochondrial manganese-superoxide dismutase in the rat hippocampus after kainate administration. <i>Neuroscience Letters</i> , 2000, 281, 65-68.	1.0	45
50	Kainate-induced mitochondrial oxidative stress contributes to hippocampal degeneration in senescence-accelerated mice. <i>Cellular Signalling</i> , 2008, 20, 645-658.	1.7	45
51	Protein kinase C δ mediates trimethyltin-induced neurotoxicity in mice in vivo via inhibition of glutathione defense mechanism. <i>Archives of Toxicology</i> , 2016, 90, 937-953.	1.9	45
52	GABAB receptor agonist baclofen improves methamphetamine-induced cognitive deficit in mice. <i>European Journal of Pharmacology</i> , 2009, 602, 101-104.	1.7	44
53	Inhibition of GSK-3 β mediates expression of MMP-9 through ERK1/2 activation and translocation of NF- κ B in rat primary astrocyte. <i>Brain Research</i> , 2007, 1186, 12-20.	1.1	43
54	Gintonin, a Ginseng-Derived Novel Ingredient, Evokes Long-Term Potentiation through N-methyl-D-aspartic Acid Receptor Activation: Involvement of LPA Receptors. <i>Molecules and Cells</i> , 2012, 34, 563-572.	1.0	42

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55	Prenatal nicotine exposure decreases the release of dopamine in the medial frontal cortex and induces atomoxetine-responsive neurobehavioral deficits in mice. <i>Psychopharmacology</i> , 2017, 234, 1853-1869.	1.5	42
56	Trichloroethylene and Parkinson's Disease: Risk Assessment. <i>Molecular Neurobiology</i> , 2018, 55, 6201-6214.	1.9	42
57	Prenatal NMDA Receptor Antagonism Impaired Proliferation of Neuronal Progenitor, Leading to Fewer Glutamatergic Neurons in the Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2012, 37, 1387-1396.	2.8	41
58	Expression of microsomal epoxide hydrolase is elevated in Alzheimer's hippocampus and induced by exogenous β -amyloid and trimethyl-tin. <i>European Journal of Neuroscience</i> , 2006, 23, 2027-2034.	1.2	40
59	Dextromethorphan attenuates trimethyltin-induced neurotoxicity via δ 1 receptor activation in rats. <i>Neurochemistry International</i> , 2007, 50, 791-799.	1.9	40
60	Effects of Korean Red Ginseng extract on busulfan-induced dysfunction of the male reproductive system. <i>Journal of Ginseng Research</i> , 2015, 39, 243-249.	3.0	40
61	Depressive symptoms as a side effect of Interferon- α therapy induced by induction of indoleamine 2,3-dioxygenase 1. <i>Scientific Reports</i> , 2016, 6, 29920.	1.6	40
62	Effects of gintonin on the proliferation, migration, and tube formation of human umbilical-vein endothelial cells: involvement of lysophosphatidic-acid receptors and vascular-endothelial-growth-factor signaling. <i>Journal of Ginseng Research</i> , 2016, 40, 325-333.	3.0	40
63	Hyperlipidemia-induced hepatic insulin resistance in the liver contributes to insulin resistance in skeletal muscle. <i>Molecular and Cellular Endocrinology</i> , 2018, 470, 26-33.	1.6	40
64	Transient Receptor Potential Vanilloid Type 1 Channel May Modulate Opioid Reward. <i>Neuropsychopharmacology</i> , 2014, 39, 2414-2422.	2.8	38
65	N-Methyl, N-propynyl-2-phenylethylamine (MPPE), a Selegiline Analog, Attenuates MPTP-induced Dopaminergic Toxicity with Guaranteed Behavioral Safety: Involvement of Inhibitions of Mitochondrial Oxidative Burdens and p53 Gene-elicited Pro-apoptotic Change. <i>Molecular Neurobiology</i> , 2016, 53, 6251-6269.	1.9	38
66	Prenatal Nicotine Exposure Impairs the Proliferation of Neuronal Progenitors, Leading to Fewer Glutamatergic Neurons in the Medial Prefrontal Cortex. <i>Neuropsychopharmacology</i> , 2016, 41, 578-589.	2.8	38
67	Dextromethorphan modulates the AP-1 DNA-binding activity induced by kainic acid. <i>Brain Research</i> , 1999, 824, 125-132.	1.1	37
68	Melatonin Attenuates Memory Impairment Induced by Klotho Gene Deficiency Via Interactive Signaling Between MT2 Receptor, ERK, and Nrf2-Related Antioxidant Potential. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, .	1.0	37
69	Protective effects of phosphatidylcholine on oxaliplatin-induced neuropathy in rats. <i>Life Sciences</i> , 2015, 130, 81-87.	2.0	37
70	LECT2 promotes inflammation and insulin resistance in adipocytes via P38 pathways. <i>Journal of Molecular Endocrinology</i> , 2018, 61, 37-45.	1.1	37
71	Dual effects of dextromethorphan on cocaine-induced conditioned place preference in mice. <i>Neuroscience Letters</i> , 2000, 288, 76-80.	1.0	36
72	PKC δ inhibition enhances tyrosine hydroxylase phosphorylation in mice after methamphetamine treatment. <i>Neurochemistry International</i> , 2011, 59, 39-50.	1.9	36

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73	PKC β -dependent p47phox activation mediates methamphetamine-induced dopaminergic neurotoxicity. <i>Free Radical Biology and Medicine</i> , 2018, 115, 318-337.	1.3	36
74	Protection by a manganese porphyrin of endogenous peroxynitrite-induced death of glial cells via inhibition of mitochondrial transmembrane potential decrease. <i>Glia</i> , 2000, 31, 155-164.	2.5	35
75	Antioxidant propolis attenuates kainate-induced neurotoxicity via adenosine A1 receptor modulation in the rat. <i>Neuroscience Letters</i> , 2004, 355, 231-235.	1.0	35
76	Protection against kainate neurotoxicity by ginsenosides: Attenuation of convulsive behavior, mitochondrial dysfunction, and oxidative stress. <i>Journal of Neuroscience Research</i> , 2009, 87, 710-722.	1.3	35
77	Effects of gintonin-enriched fraction on hippocampal cell proliferation in wild-type mice and an APP ^{swe} /PSEN-1 double Tg mouse model of Alzheimer's disease. <i>Neurochemistry International</i> , 2016, 101, 56-65.	1.9	34
78	Protective Potential of the Glutathione Peroxidase-1 Gene in Abnormal Behaviors Induced by Phencyclidine in Mice. <i>Molecular Neurobiology</i> , 2017, 54, 7042-7062.	1.9	34
79	Protectin DX Ameliorates Hepatic Steatosis by Suppression of Endoplasmic Reticulum Stress via AMPK-Induced ORP150 Expression. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 485-493.	1.3	34
80	Metabolism to dextrorphan is not essential for dextromethorphan's anticonvulsant activity against kainate in mice. <i>Life Sciences</i> , 2003, 72, 769-783.	2.0	33
81	IL-6 attenuates trimethyltin-induced cognitive dysfunction via activation of JAK2/STAT3, M1 mAChR and ERK signaling network. <i>Cellular Signalling</i> , 2013, 25, 1348-1360.	1.7	33
82	New morphinan derivatives with negligible psychotropic effects attenuate convulsions induced by maximal electroshock in mice. <i>Life Sciences</i> , 2003, 72, 1883-1895.	2.0	32
83	Beneficial Effects of Red Yeast Rice on High-Fat Diet-Induced Obesity, Hyperlipidemia, and Fatty Liver in Mice. <i>Journal of Medicinal Food</i> , 2015, 18, 1095-1102.	0.8	31
84	Gintonin attenuates depressive-like behaviors associated with alcohol withdrawal in mice. <i>Journal of Affective Disorders</i> , 2017, 215, 23-29.	2.0	31
85	Bioactive lipids in gintonin-enriched fraction from ginseng. <i>Journal of Ginseng Research</i> , 2019, 43, 209-217.	3.0	31
86	Glutathione peroxidase-1 and neuromodulation: Novel potentials of an old enzyme. <i>Food and Chemical Toxicology</i> , 2021, 148, 111945.	1.8	31
87	Neuropsychotoxic and Neuroprotective Potentials of Dextromethorphan and Its Analogs. <i>Journal of Pharmacological Sciences</i> , 2011, 116, 137-148.	1.1	29
88	Ginseng gintonin, aging societies, and geriatric brain diseases. <i>Integrative Medicine Research</i> , 2021, 10, 100450.	0.7	29
89	Protectin DX ameliorates palmitate- or high-fat diet-induced insulin resistance and inflammation through an AMPK-PPAR α -dependent pathway in mice. <i>Scientific Reports</i> , 2017, 7, 1397.	1.6	28
90	Role of MAPK/ERK1/2 in the glucose deprivation-induced death in immunostimulated astroglia. <i>Neuroscience Letters</i> , 2005, 376, 171-176.	1.0	27

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91	Platelet-activating factor receptor knockout mice are protected from MPTP-induced dopaminergic degeneration. <i>Neurochemistry International</i> , 2013, 63, 121-132.	1.9	27
92	A brief method for preparation of gintonin-enriched fraction from ginseng. <i>Journal of Ginseng Research</i> , 2015, 39, 398-405.	3.0	27
93	TRPV1 modulates morphine-induced conditioned place preference via p38 MAPK in the nucleus accumbens. <i>Behavioural Brain Research</i> , 2017, 334, 26-33.	1.2	27
94	Effects of dextromethorphan on the seizures induced by kainate and the calcium channel agonist BAY k-8644: comparison with the effects of dextrorphan. <i>Behavioural Brain Research</i> , 2001, 120, 169-175.	1.2	26
95	Ginsenoside Re protects methamphetamine-induced dopaminergic neurotoxicity in mice via upregulation of dynorphin-mediated μ -opioid receptor and downregulation of substance P-mediated neurokinin 1 receptor. <i>Journal of Neuroinflammation</i> , 2018, 15, 52.	3.1	26
96	Aspalatone, a new antiplatelet agent, attenuates the neurotoxicity induced by kainic acid in the rat. <i>Life Sciences</i> , 1997, 61, PL373-PL381.	2.0	25
97	Exposure to Extremely Low Frequency Magnetic Fields Enhances Locomotor Activity via Activation of Dopamine D1-Like Receptors in Mice. <i>Journal of Pharmacological Sciences</i> , 2007, 105, 367-371.	1.1	25
98	Prenatal phencyclidine treatment induces behavioral deficits through impairment of GABAergic interneurons in the prefrontal cortex. <i>Psychopharmacology</i> , 2016, 233, 2373-2381.	1.5	25
99	Protein Kinase C γ Gene Depletion Protects Against Methamphetamine-Induced Impairments in Recognition Memory and ERK1/2 Signaling via Upregulation of Glutathione Peroxidase-1 Gene. <i>Molecular Neurobiology</i> , 2018, 55, 4136-4159.	1.9	25
100	Genetic or pharmacological depletion of cannabinoid CB1 receptor protects against dopaminergic neurotoxicity induced by methamphetamine in mice. <i>Free Radical Biology and Medicine</i> , 2017, 108, 204-224.	1.3	25
101	Ginsenoside Re Protects Trimethyltin-Induced Neurotoxicity via Activation of IL-6-Mediated Phosphoinositol 3-Kinase/Akt Signaling in Mice. <i>Neurochemical Research</i> , 2017, 42, 3125-3139.	1.6	25
102	YY-1224, a terpene trilactone-strengthened Ginkgo biloba, attenuates neurodegenerative changes induced by β -amyloid (1-42) or double transgenic overexpression of APP and PS1 via inhibition of cyclooxygenase-2. <i>Journal of Neuroinflammation</i> , 2017, 14, 94.	3.1	25
103	Gintonin, a ginseng-derived exogenous lysophosphatidic acid receptor ligand, enhances blood-brain barrier permeability and brain delivery. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1325-1337.	3.6	25
104	Exposure to far-infrared rays attenuates methamphetamine-induced recognition memory impairment via modulation of the muscarinic M1 receptor, Nrf2, and PKC. <i>Neurochemistry International</i> , 2018, 116, 63-76.	1.9	25
105	Gintonin Attenuates D-Galactose-Induced Hippocampal Senescence by Improving Long-Term Hippocampal Potentiation, Neurogenesis, and Cognitive Functions. <i>Gerontology</i> , 2018, 64, 562-575.	1.4	25
106	Ginsenoside Rk1 is a novel inhibitor of NMDA receptors in cultured rat hippocampal neurons. <i>Journal of Ginseng Research</i> , 2020, 44, 490-495.	3.0	25
107	Ginsenosides attenuate methamphetamine-induced behavioral side effects in mice via activation of adenosine A2A receptors: possible involvements of the striatal reduction in AP-1 DNA binding activity and proenkephalin gene expression. <i>Behavioural Brain Research</i> , 2005, 158, 143-157.	1.2	24
108	Phenidone protects the nigral dopaminergic neurons from LPS-induced neurotoxicity. <i>Neuroscience Letters</i> , 2008, 445, 1-6.	1.0	24

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109	WISP1 promotes non-alcoholic fatty liver disease and skeletal muscle insulin resistance via TLR4/JNK signaling. <i>Journal of Cellular Physiology</i> , 2018, 233, 6077-6087.	2.0	24
110	Protectin DX attenuates LPS-induced inflammation and insulin resistance in adipocytes via AMPK-mediated suppression of the NF- κ B pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E543-E551.	1.8	24
111	Zinc Oxide Nanoparticles Exhibit Both Cyclooxygenase- and Lipoxygenase-Mediated Apoptosis in Human Bone Marrow-Derived Mesenchymal Stem Cells. <i>Toxicological Research</i> , 2019, 35, 83-91.	1.1	24
112	Anticonvulsant effects of new morphinan derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 1651-1654.	1.0	22
113	Ginsenosides attenuate kainic acid-induced synaptosomal oxidative stress via stimulation of adenosine A2A receptors in rat hippocampus. <i>Behavioural Brain Research</i> , 2009, 197, 239-245.	1.2	22
114	Repeated exposure to far infrared ray attenuates acute restraint stress in mice via inhibition of JAK2/STAT3 signaling pathway by induction of glutathione peroxidase-1. <i>Neurochemistry International</i> , 2016, 94, 9-22.	1.9	22
115	PKC δ knockout mice are protected from para-methoxymethamphetamine-induced mitochondrial stress and associated neurotoxicity in the striatum of mice. <i>Neurochemistry International</i> , 2016, 100, 146-158.	1.9	22
116	Gintonin enhances performance of mice in rotarod test: Involvement of lysophosphatidic acid receptors and catecholamine release. <i>Neuroscience Letters</i> , 2016, 612, 256-260.	1.0	22
117	Ginsenoside Re protects against phencyclidine-induced behavioral changes and mitochondrial dysfunction via interactive modulation of glutathione peroxidase-1 and NADPH oxidase in the dorsolateral cortex of mice. <i>Food and Chemical Toxicology</i> , 2017, 110, 300-315.	1.8	22
118	Exposure to far-infrared ray attenuates methamphetamine-induced impairment in recognition memory through inhibition of protein kinase C δ in male mice: Comparison with the antipsychotic clozapine. <i>Journal of Neuroscience Research</i> , 2018, 96, 1294-1310.	1.3	22
119	A novel designer drug, 25N-NBOMe, exhibits abuse potential via the dopaminergic system in rodents. <i>Brain Research Bulletin</i> , 2019, 152, 19-26.	1.4	22
120	Administration of kynurenic acid reduces hyperlipidemia-induced inflammation and insulin resistance in skeletal muscle and adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110928.	1.6	22
121	PROTECTION AGAINST KAINATE NEUROTOXICITY BY PYRROLIDINE DITHIOCARBAMATE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2004, 31, 320-326.	0.9	21
122	YY162 prevents ADHD-like behavioral side effects and cytotoxicity induced by Aroclor1254 via interactive signaling between antioxidant potential, BDNF/TrkB, DAT and NET. <i>Food and Chemical Toxicology</i> , 2014, 65, 280-292.	1.8	21
123	Phenidone blocks the increases of proenkephalin and prodynorphin gene expression induced by kainic acid in rat hippocampus: involvement of Fos-related antigen protein. <i>Brain Research</i> , 1998, 782, 337-342.	1.1	20
124	Dimemorfan prevents seizures induced by the L-type calcium channel activator BAY k-8644 in mice. <i>Behavioural Brain Research</i> , 2004, 151, 267-276.	1.2	20
125	Microsomal epoxide hydrolase deletion enhances tyrosine hydroxylase phosphorylation in mice after MPTP treatment. <i>Journal of Neuroscience Research</i> , 2008, 86, 2792-2801.	1.3	20
126	Genetic overexpression of glutathione peroxidase-1 attenuates microcystin-leucine-arginine-induced memory impairment in mice. <i>Neurochemistry International</i> , 2018, 118, 152-165.	1.9	20

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127	Pharmacological action of Panax Ginseng on the behavioral toxicities induced by psychotropic agents. Archives of Pharmacal Research, 2005, 28, 995-1001.	2.7	19
128	Augmented death in immunostimulated astrocytes deprived of glucose: inhibition by an iron porphyrin FeTMPyP. Journal of Neuroimmunology, 2001, 112, 55-62.	1.1	18
129	Ginseng Gintonin Activates the Human Cardiac Delayed Rectifier K ⁺ Channel: Involvement of Ca ²⁺ /Calmodulin Binding Sites. Molecules and Cells, 2014, 37, 656-663.	1.0	18
130	Deletion of SHATI/NAT8L decreases the N-acetylaspartate content in the brain and induces behavioral deficits, which can be ameliorated by administering N-acetylaspartate. European Neuropsychopharmacology, 2015, 25, 2108-2117.	0.3	18
131	Ceruloplasmin is an endogenous protectant against kainate neurotoxicity. Free Radical Biology and Medicine, 2015, 84, 355-372.	1.3	18
132	Gintonin, a Ginseng-Derived Exogenous Lysophosphatidic Acid Receptor Ligand, Protects Astrocytes from Hypoxic and Re-oxygenation Stresses Through Stimulation of Astrocytic Glycogenolysis. Molecular Neurobiology, 2019, 56, 3280-3294.	1.9	18
133	Buffering of cytosolic calcium plays a neuroprotective role by preserving the autophagy-lysosome pathway during MPP ⁺ -induced neuronal death. Cell Death Discovery, 2019, 5, 130.	2.0	18
134	Significance of protein kinase C in the neuropsychotoxicity induced by methamphetamine-like psychostimulants. Neurochemistry International, 2019, 124, 162-170.	1.9	18
135	The Memory-Enhancing Effects of Liquiritigenin by Activation of NMDA Receptors and the CREB Signaling Pathway in Mice. Biomolecules and Therapeutics, 2018, 26, 109-114.	1.1	18
136	Prolonged exposure to cigarette smoke blocks the neurotoxicity induced by kainic acid in rats. Life Sciences, 1999, 66, 317-326.	2.0	17
137	Neuropsychotoxicity of Abused Drugs: Potential of Dextromethorphan and Novel Neuroprotective Analogs of Dextromethorphan With Improved Safety Profiles in Terms of Abuse and Neuroprotective Effects. Journal of Pharmacological Sciences, 2008, 106, 22-27.	1.1	17
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