

Akinori Akaike

List of Publications by Year in descending order

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190
papers

11,919
citations

17440

63
h-index

30922

102
g-index

195
all docs

195
docs citations

195
times ranked

11767
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward the generation of rod and cone photoreceptors from mouse, monkey and human embryonic stem cells. <i>Nature Biotechnology</i> , 2008, 26, 215-224.	17.5	590
2	$\alpha 7$ Nicotinic Receptor Transduces Signals to Phosphatidylinositol 3-Kinase to Block A β -Amyloid-induced Neurotoxicity. <i>Journal of Biological Chemistry</i> , 2001, 276, 13541-13546.	3.4	385
3	Localization of fractalkine and CX3CR1 mRNAs in rat brain: does fractalkine play a role in signaling from neuron to microglia?. <i>FEBS Letters</i> , 1998, 429, 167-172.	2.8	309
4	Wnt Signaling Promotes Regeneration in the Retina of Adult Mammals. <i>Journal of Neuroscience</i> , 2007, 27, 4210-4219.	3.6	306
5	Dopamine D2-type agonists protect mesencephalic neurons from glutamate neurotoxicity: Mechanisms of neuroprotective treatment against oxidative stress. <i>Annals of Neurology</i> , 1998, 44, 110-119.	5.3	275
6	Microglia-derived interleukin-6 and leukaemia inhibitory factor promote astrocytic differentiation of neural stem/progenitor cells. <i>European Journal of Neuroscience</i> , 2007, 25, 649-658.	2.6	262
7	Estradiol protects mesencephalic dopaminergic neurons from oxidative stress-induced neuronal death. <i>Journal of Neuroscience Research</i> , 1998, 54, 707-719.	2.9	224
8	Phosphatidylinositol 3-kinase mediates neuroprotection by estrogen in cultured cortical neurons. <i>Journal of Neuroscience Research</i> , 2000, 60, 321-327.	2.9	220
9	Nicotine-induced protection of cultured cortical neurons against N-methyl-D-aspartate receptor-mediated glutamate cytotoxicity. <i>Brain Research</i> , 1994, 644, 181-187.	2.2	212
10	Nicotinic Acetylcholine Receptor-Mediated Neuroprotection by Donepezil Against Glutamate Neurotoxicity in Rat Cortical Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 772-777.	2.5	194
11	Flavonols and flavones as BACE-1 inhibitors: Structure-activity relationship in cell-free, cell-based and in silico studies reveal novel pharmacophore features. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 819-825.	2.4	192
12	Nicotine protects cultured cortical neurons against glutamate-induced cytotoxicity via $\alpha 7$ -neuronal receptors and neuronal CNS receptors. <i>Brain Research</i> , 1997, 765, 135-140.	2.2	189
13	Resveratrol protects dopaminergic neurons in midbrain slice culture from multiple insults. <i>Biochemical Pharmacology</i> , 2007, 73, 550-560.	4.4	186
14	A Critical Role of TRPM2 in Neuronal Cell Death by Hydrogen Peroxide. <i>Journal of Pharmacological Sciences</i> , 2006, 101, 66-76.	2.5	185
15	Mechanisms of Neuroprotective Effects of Nicotine and Acetylcholinesterase Inhibitors: Role of $\alpha 4$ and $\alpha 7$ Receptors in Neuroprotection. <i>Journal of Molecular Neuroscience</i> , 2010, 40, 211-216.	2.3	173
16	Acetylcholinesterase inhibitors used in treatment of Alzheimer's disease prevent glutamate neurotoxicity via nicotinic acetylcholine receptors and phosphatidylinositol 3-kinase cascade. <i>Neuropharmacology</i> , 2006, 51, 474-486.	4.1	169
17	Differential neurotoxicity induced by L-DOPA and dopamine in cultured striatal neurons. <i>Brain Research</i> , 1996, 743, 278-283.	2.2	156
18	Electrophysiological evidence for cholinergic neurons in the medial vestibular nucleus: Studies on rat brain stem in vitro. <i>Neuroscience Letters</i> , 1988, 93, 231-235.	2.1	152

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19	Mechanisms of antiapoptotic effects of estrogens in nigral dopaminergic neurons. <i>FASEB Journal</i> , 2000, 14, 1202-1214.	0.5	149
20	Excitatory and inhibitory effects of dopamine on neuronal activity of the caudate nucleus neurons in vitro. <i>Brain Research</i> , 1987, 418, 262-272.	2.2	147
21	Prostaglandin E2 protects cultured cortical neurons against N-methyl-d-aspartate receptor-mediated glutamate cytotoxicity. <i>Brain Research</i> , 1994, 663, 237-243.	2.2	139
22	The nucleus reticularis gigantocellularis of the medulla oblongata is a highly sensitive site in the production of morphine analgesia in the rat. <i>European Journal of Pharmacology</i> , 1977, 45, 91-92.	3.5	127
23	Proteasome Inhibition Induces Glutathione Synthesis and Protects Cells from Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2007, 282, 4364-4372.	3.4	126
24	Evidence for involvement of separate mechanisms in the production of analgesia by electrical stimulation of the nucleus reticularis paragigantocellularis and nucleus raphe magnus in the rat. <i>Brain Research</i> , 1980, 194, 525-529.	2.2	124
25	Nongenomic antiapoptotic signal transduction by estrogen in cultured cortical neurons. <i>Journal of Neuroscience Research</i> , 2001, 64, 466-475.	2.9	121
26	Î±-Tocotrienol provides the most potent neuroprotection among vitamin E analogs on cultured striatal neurons. <i>Neuropharmacology</i> , 2004, 47, 904-915.	4.1	121
27	N-methyl-D-aspartate receptor-mediated mitochondrial Ca ²⁺ overload in acute excitotoxic motor neuron death: A mechanism distinct from chronic neurotoxicity after Ca ²⁺ influx. <i>Journal of Neuroscience Research</i> , 2001, 63, 377-387.	2.9	117
28	Epigallocatechin-3-gallate and curcumin suppress amyloid beta-induced beta-site APP cleaving enzyme-1 upregulation. <i>NeuroReport</i> , 2008, 19, 1329-1333.	1.2	110
29	Estradiol protects dopaminergic neurons in a MPP ⁺ Parkinson's disease model. <i>Neuropharmacology</i> , 2002, 42, 1056-1064.	4.1	109
30	HMGB1 inhibitor glycyrrhizin attenuates intracerebral hemorrhage-induced injury in rats. <i>Neuropharmacology</i> , 2011, 61, 975-980.	4.1	109
31	Mechanism of the pathogenesis of glutamate neurotoxicity in retinal ischemia. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1998, 236, 766-774.	1.9	106
32	Nicotinic receptor stimulation protects nigral dopaminergic neurons in rotenone-induced Parkinson's disease models. <i>Journal of Neuroscience Research</i> , 2009, 87, 576-585.	2.9	105
33	Dual actions of nitric oxide in N-methyl-d-aspartate receptor-mediated neurotoxicity in cultured retinal neurons. <i>Brain Research</i> , 1996, 711, 93-101.	2.2	103
34	Proteasome Mediates Dopaminergic Neuronal Degeneration, and Its Inhibition Causes Î±-Synuclein Inclusions. <i>Journal of Biological Chemistry</i> , 2004, 279, 10710-10719.	3.4	103
35	Endogenous d-Serine Is Involved in Induction of Neuronal Death by N-Methyl-d-aspartate and Simulated Ischemia in Rat Cerebrocortical Slices. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 836-844.	2.5	100
36	Multifunction of myricetin on AÎ²: Neuroprotection via a conformational change of AÎ² and reduction of AÎ² via the interference of secretases. <i>Journal of Neuroscience Research</i> , 2008, 86, 368-377.	2.9	100

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37	Analgesia produced by microinjection of l-glutamate into the rostral ventromedial bulbar nuclei of the rat and its inhibition by intrathecal \pm -adrenergic blocking agents. <i>Brain Research</i> , 1983, 261, 361-364.	2.2	98
38	Mechanism of selective motor neuronal death after exposure of spinal cord to glutamate: Involvement of glutamate-induced nitric oxide in motor neuron toxicity and nonmotor neuron protection. <i>Annals of Neurology</i> , 1998, 44, 796-807.	5.3	95
39	PI3K/Akt/mTOR signaling regulates glutamate transporter 1 in astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 514-518.	2.1	92
40	Lomerizine, a Ca ²⁺ Channel Blocker, Reduces Glutamate-induced Neurotoxicity and Ischemia/Reperfusion Damage in Rat Retina. <i>Experimental Eye Research</i> , 2000, 70, 475-484.	2.6	91
41	Protective effects of a vitamin B12 analog, methylcobalamin, against glutamate cytotoxicity in cultured cortical neurons. <i>European Journal of Pharmacology</i> , 1993, 241, 1-6.	3.5	90
42	Excitation by morphine and enkephalin of single neurons of nucleus reticularis paragigantocellularis in the rat: a probable mechanism of analgesic action of opioids. <i>Brain Research</i> , 1979, 169, 406-410.	2.2	89
43	Mechanisms of cholecystokinin-induced protection of cultured cortical neurons against N-methyl-D-aspartate receptor-mediated glutamate cytotoxicity. <i>Brain Research</i> , 1992, 592, 317-325.	2.2	89
44	p-quinone mediates 6-hydroxydopamine-induced dopaminergic neuronal death and ferrous iron accelerates the conversion of p-quinone into melanin extracellularly. <i>Journal of Neuroscience Research</i> , 2005, 79, 849-860.	2.9	89
45	BDNF prevents NO mediated glutamate cytotoxicity in cultured cortical neurons. <i>Brain Research</i> , 1997, 756, 200-204.	2.2	88
46	Protective effect of dopamine D2 agonists in cortical neurons via the phosphatidylinositol 3 kinase cascade. <i>Journal of Neuroscience Research</i> , 2002, 70, 274-282.	2.9	87
47	Involvement of thrombin and mitogen-activated protein kinase pathways in hemorrhagic brain injury. <i>Experimental Neurology</i> , 2007, 206, 43-52.	4.1	86
48	Retinoic acid receptor stimulation protects midbrain dopaminergic neurons from inflammatory degeneration via BDNF-mediated signaling. <i>Journal of Neurochemistry</i> , 2009, 110, 707-718.	3.9	80
49	Protective Effect of Aminoguanidine on Hypoxic-Ischemic Brain Damage and Temporal Profile of Brain Nitric Oxide in Neonatal Rat. <i>Pediatric Research</i> , 2000, 47, 79-79.	2.3	80
50	Neuroprotective Mechanism of Glial Cell Line-Derived Neurotrophic Factor in Mesencephalic Neurons. <i>Journal of Neurochemistry</i> , 2000, 74, 1175-1184.	3.9	79
51	p75-mediated neuroprotection by NGF against glutamate cytotoxicity in cortical cultures. <i>Brain Research</i> , 2000, 852, 279-289.	2.2	79
52	Glutathione Biosynthesis via Activation of the Nuclear Factor E2-Related Factor 2 (Nrf2) - Antioxidant-Response Element (ARE) Pathway Is Essential for Neuroprotective Effects of Sulforaphane and 6-(Methylsulfinyl) Hexyl Isothiocyanate. <i>Journal of Pharmacological Sciences</i> , 2011, 115, 320-328.	2.5	79
53	Decreased proliferation of hippocampal progenitor cells in APP ^{swe} /PS1 ^{dE9} transgenic mice. <i>NeuroReport</i> , 2007, 18, 1801-1805.	1.2	76
54	Analgesic by enkephalins injected into the nucleus reticularis gigantocellularis of rat medulla oblongata. <i>European Journal of Pharmacology</i> , 1978, 49, 113-116.	3.5	74

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55	Three distinct neuroprotective functions of myricetin against glutamate-induced neuronal cell death: Involvement of direct inhibition of caspase-3. <i>Journal of Neuroscience Research</i> , 2008, 86, 1836-1845.	2.9	71
56	Inhibition of NMDA receptors and nitric oxide synthase reduces ischemic injury of the retina. <i>European Journal of Pharmacology</i> , 1998, 350, 53-57.	3.5	70
57	Identification and Characterization of Novel Human Cav2.2 ($\alpha 1B$) Calcium Channel Variants Lacking the Synaptic Protein Interaction Site. <i>Journal of Neuroscience</i> , 2002, 22, 82-92.	3.6	70
58	L-DOPA induces Ca ²⁺ -dependent and tetrodotoxin-sensitive release of endogenous glutamate from rat striatal slices. <i>Brain Research</i> , 1993, 617, 167-170.	2.2	68
59	Induction of macrophage inflammatory protein MIP-1 α mRNA on glial cells after focal cerebral ischemia in the rat. <i>Neuroscience Letters</i> , 1997, 227, 173-176.	2.1	67
60	Increase in nitric oxide in the hypoxic-ischemic neonatal rat brain and suppression by 7-nitroindazole and aminoguanidine. <i>European Journal of Pharmacology</i> , 1998, 342, 47-49.	3.5	67
61	Protection of cultured spinal motor neurons by estradiol. <i>NeuroReport</i> , 2000, 11, 3493-3497.	1.2	67
62	Protective effect of nerve growth factor against glutamate-induced neurotoxicity in cultured cortical neurons. <i>Brain Research</i> , 1993, 632, 296-302.	2.2	65
63	Neuroprotective effects of α -tocopherol on oxidative stress in rat striatal cultures. <i>European Journal of Pharmacology</i> , 2003, 465, 15-22.	3.5	65
64	Retinal Neuronal Death Induced by Intraocular Administration of a Nitric Oxide Donor and Its Rescue by Neurotrophic Factors in Rats. , 2003, 44, 1760.		65
65	Phosphodiesterase inhibitors are neuroprotective to cultured spinal motor neurons. <i>Journal of Neuroscience Research</i> , 2003, 71, 485-495.	2.9	62
66	Dibutyl cyclic AMP induces differentiation of human neuroblastoma SH-SY5Y cells into a noradrenergic phenotype. <i>Neuroscience Letters</i> , 2008, 443, 199-203.	2.1	62
67	Apoptotic DNA fragmentation and upregulation of Bax induced by transient ischemia of the rat retina. <i>Brain Research</i> , 1999, 815, 11-20.	2.2	61
68	Mechanisms of oxygen glucose deprivation-induced glutamate release from cerebrocortical slice cultures. <i>Neuroscience Research</i> , 2004, 50, 179-187.	1.9	61
69	Cholecystokinin-induced protection of cultured cortical neurons against glutamate neurotoxicity. <i>Brain Research</i> , 1991, 557, 303-307.	2.2	59
70	Brain-derived neurotrophic factor pretreatment exerts a partially protective effect against glutamate-induced neurotoxicity in cultured rat cortical neurons. <i>Neuroscience Letters</i> , 1993, 164, 55-58.	2.1	59
71	Mulberry leaf extract prevents amyloid beta-peptide fibril formation and neurotoxicity. <i>NeuroReport</i> , 2007, 18, 813-816.	1.2	59
72	Activation of Inositol 1,4,5-Trisphosphate Receptor Is Essential for the Opening of Mouse TRP5 Channels. <i>Molecular Pharmacology</i> , 2001, 60, 989-998.	2.3	57

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73	Antagonism of NMDA receptors by I_f receptor ligands attenuates chemical ischemia-induced neuronal death in vitro. <i>European Journal of Pharmacology</i> , 2002, 455, 91-100.	3.5	57
74	Up-regulation of nicotinic acetylcholine receptors by central-type acetylcholinesterase inhibitors in rat cortical neurons. <i>European Journal of Pharmacology</i> , 2005, 527, 77-85.	3.5	57
75	Glutamate Excitotoxicity Is Involved in Cell Death Caused by Tributyltin in Cultured Rat Cortical Neurons. <i>Toxicological Sciences</i> , 2006, 89, 235-242.	3.1	57
76	N^{G} -Nitro-L-arginine methyl ester protects retinal neurons against N-methyl-D-aspartate-induced neurotoxicity in vivo. <i>European Journal of Pharmacology</i> , 1997, 328, 45-49.	3.5	55
77	Roles of Nicotinic Receptors in Acetylcholinesterase Inhibitor-Induced Neuroprotection and Nicotinic Receptor Up-Regulation. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 318-324.	1.4	55
78	Differential Expression of Small Heat Shock Proteins in Reactive Astrocytes after Focal Ischemia: Possible Role of I_2 -Adrenergic Receptor. <i>Journal of Neuroscience</i> , 1999, 19, 9768-9779.	3.6	54
79	Preclinical Evidence of Neuroprotection by Cholinesterase Inhibitors. <i>Alzheimer Disease and Associated Disorders</i> , 2006, 20, S8-S11.	1.3	54
80	Isolation of a diterpenoid substance with potent neuroprotective activity from fetal calf serum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3288-3293.	7.1	53
81	Effects of mitochondrial dysfunction on glutamate receptor-mediated neurotoxicity in cultured rat spinal motor neurons. <i>Brain Research</i> , 2004, 1015, 73-81.	2.2	50
82	Amyloid I_2 -peptide preconditioning reduces glutamate-induced neurotoxicity by promoting endocytosis of NMDA receptor. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 259-265.	2.1	49
83	Thrombin-induced delayed injury involves multiple and distinct signaling pathways in the cerebral cortex and the striatum in organotypic slice cultures. <i>Neurobiology of Disease</i> , 2006, 22, 130-142.	4.4	49
84	Depletion of Intracellular Glutathione Increases Susceptibility to Nitric Oxide in Mesencephalic Dopaminergic Neurons. <i>Journal of Neurochemistry</i> , 2002, 73, 1696-1703.	3.9	48
85	Rac1 inhibition negatively regulates transcriptional activity of the amyloid precursor protein gene. <i>Journal of Neuroscience Research</i> , 2009, 87, 2105-2114.	2.9	48
86	Dopamine-induced protection of striatal neurons against kainate receptor-mediated glutamate cytotoxicity in vitro. <i>Brain Research</i> , 1994, 655, 61-69.	2.2	46
87	L-DOPA neurotoxicity is mediated by glutamate release in cultured rat striatal neurons. <i>Brain Research</i> , 1997, 771, 159-162.	2.2	46
88	Dopamine is involved in selectivity of dopaminergic neuronal death by rotenone. <i>NeuroReport</i> , 2003, 14, 2425-2428.	1.2	46
89	Vulnerability to glutamate toxicity of dopaminergic neurons is dependent on endogenous dopamine and MAPK activation. <i>Journal of Neurochemistry</i> , 2009, 110, 745-755.	3.9	45
90	Isolation, identification, and biological evaluation of Nrf2-ARE activator from the leaves of green perilla (<i>Perilla frutescens</i> var. <i>crispa</i> f. <i>viridis</i>). <i>Free Radical Biology and Medicine</i> , 2012, 53, 669-679.	2.9	45

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91	Mitochondrial ATP-Sensitive Potassium Channel: A Novel Site for Neuroprotection. , 2003, 44, 2750.		44
92	Lipopolysaccharide-induced dopaminergic cell death in rat midbrain slice cultures: role of inducible nitric oxide synthase and protection by indomethacin. <i>Journal of Neurochemistry</i> , 2003, 86, 1201-1212.	3.9	43
93	Stimulation of nicotinic acetylcholine receptors protects motor neurons. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 1285-1289.	2.1	40
94	Impaired muscarinic regulation of excitatory synaptic transmission in the APP ^{swe} /PS1 ^{dE9} mouse model of Alzheimer's disease. <i>European Journal of Pharmacology</i> , 2008, 583, 84-91.	3.5	39
95	Dopamine facilitates β -synuclein oligomerization in human neuroblastoma SH-SY5Y cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 129-134.	2.1	39
96	PE859, A Novel Curcumin Derivative, Inhibits Amyloid- β 2 and Tau Aggregation, and Ameliorates Cognitive Dysfunction in Senescence-Accelerated Mouse Prone 8. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 313-328.	2.6	39
97	Mechanism of neuroprotection by donepezil pretreatment in rat cortical neurons chronically treated with donepezil. <i>Journal of Neuroscience Research</i> , 2008, 86, 3575-3583.	2.9	38
98	Neuroprotective effects of galanthamine and tacrine against glutamate neurotoxicity. <i>European Journal of Pharmacology</i> , 2006, 549, 19-26.	3.5	37
99	Contribution of endogenous glycine and d-serine to excitotoxic and ischemic cell death in rat cerebrocortical slice cultures. <i>Life Sciences</i> , 2007, 81, 740-749.	4.3	37
100	Hyperbilirubinemia protects against focal ischemia in rats. <i>Journal of Neuroscience Research</i> , 2003, 71, 544-550.	2.9	36
101	Novel neuroprotective mechanisms of pramipexole, an anti-Parkinson drug, against endogenous dopamine-mediated excitotoxicity. <i>European Journal of Pharmacology</i> , 2007, 557, 132-140.	3.5	36
102	Neuroprotective mechanisms of antiparkinsonian dopamine D2-receptor subfamily agonists. <i>Neurochemical Research</i> , 2003, 28, 1035-1040.	3.3	35
103	Iron accelerates the conversion of dopamine-oxidized intermediates into melanin and provides protection in SH-SY5Y cells. <i>Journal of Neuroscience Research</i> , 2005, 82, 126-137.	2.9	35
104	Chapter 33 Regulation by neuroprotective factors of NMDA receptor mediated nitric oxide synthesis in the brain and retina. <i>Progress in Brain Research</i> , 1994, 103, 391-403.	1.4	34
105	Contribution of endogenous glycine site NMDA agonists to excitotoxic retinal damage in vivo. <i>Neuroscience Research</i> , 2006, 56, 279-285.	1.9	34
106	Nitric oxide-producing microglia mediate thrombin-induced degeneration of dopaminergic neurons in rat midbrain slice culture. <i>Journal of Neurochemistry</i> , 2006, 97, 1232-1242.	3.9	34
107	Elevation of heme oxygenase-1 by proteasome inhibition affords dopaminergic neuroprotection. <i>Journal of Neuroscience Research</i> , 2010, 88, 1934-1942.	2.9	33
108	Protective effect of Nrf2-ARE activator isolated from green perilla leaves on dopaminergic neuronal loss in a Parkinson's disease model. <i>European Journal of Pharmacology</i> , 2017, 798, 26-34.	3.5	32

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109	Muscarinic regulation of spontaneously active medial vestibular neurons in vitro. <i>Neuroscience Letters</i> , 1989, 106, 205-210.	2.1	31
110	Effects of B vitamins on glutamate-induced neurotoxicity in retinal cultures. <i>European Journal of Pharmacology</i> , 1997, 322, 259-264.	3.5	31
111	Differential regulation of neurogenesis in two neurogenic regions of APP ^{swe} /PS1 ^{dE9} transgenic mice. <i>NeuroReport</i> , 2008, 19, 1361-1364.	1.2	31
112	Toxicity in Rat Primary Neurons through the Cellular Oxidative Stress Induced by the Turn Formation at Positions 22 and 23 of A β 242. <i>ACS Chemical Neuroscience</i> , 2012, 3, 674-681.	3.5	31
113	Donepezil Potentiates Nerve Growth Factor-Induced Neurite Outgrowth in PC12 Cells. <i>Journal of Pharmacological Sciences</i> , 2007, 104, 349-354.	2.5	30
114	Heme oxygenase-1 contributes to pathology associated with thrombin-induced striatal and cortical injury in organotypic slice culture. <i>Brain Research</i> , 2010, 1347, 170-178.	2.2	30
115	Binding of G β o N Terminus Is Responsible for the Voltage-resistant Inhibition of I \bar{h} 1A (P/Q-type, Cav2.1) Ca ²⁺ Channels. <i>Journal of Biological Chemistry</i> , 2001, 276, 28731-28738.	3.4	29
116	Mechanisms of I \bar{h} 7-nicotinic receptor up-regulation and sensitization to donepezil induced by chronic donepezil treatment. <i>European Journal of Pharmacology</i> , 2008, 590, 150-156.	3.5	29
117	Involvement of direct inhibition of NMDA receptors in the effects of I \bar{f} -receptor ligands on glutamate neurotoxicity in vitro. <i>European Journal of Pharmacology</i> , 2000, 404, 41-48.	3.5	28
118	Serofendic Acid, a Sulfur-Containing Diterpenoid Derived from Fetal Calf Serum, Attenuates Reactive Oxygen Species-Induced Oxidative Stress in Cultured Striatal Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 51-59.	2.5	28
119	Plasminogen Potentiates Thrombin Cytotoxicity and Contributes to Pathology of Intracerebral Hemorrhage in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 506-515.	4.3	28
120	Multiplex Neural Circuit Tracing With G-Deleted Rabies Viral Vectors. <i>Frontiers in Neural Circuits</i> , 2019, 13, 77.	2.8	28
121	Serofendic acid prevents acute glutamate neurotoxicity in cultured cortical neurons. <i>European Journal of Pharmacology</i> , 2003, 477, 195-203.	3.5	26
122	Superoxide dismutase activity in organotypic midbrain-striatum co-cultures is associated with resistance of dopaminergic neurons to excitotoxicity. <i>Journal of Neurochemistry</i> , 2001, 76, 1336-1345.	3.9	25
123	Mitogen-activated protein kinases support survival of activated microglia that mediate thrombin-induced striatal injury in organotypic slice culture. <i>Journal of Neuroscience Research</i> , 2010, 88, 2155-2164.	2.9	24
124	Staurosporine induces dopaminergic neurite outgrowth through AMP-activated protein kinase/mammalian target of rapamycin signaling pathway. <i>Neuropharmacology</i> , 2014, 77, 39-48.	4.1	24
125	Vitamin B6 protects primate retinal neurons from ischemic injury. <i>Brain Research</i> , 2002, 940, 36-43.	2.2	23
126	Serofendic acid, a neuroprotective substance derived from fetal calf serum, inhibits mitochondrial membrane depolarization and caspase-3 activation. <i>European Journal of Pharmacology</i> , 2006, 542, 69-76.	3.5	23

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127	Involvement of ERK in NMDA receptor-independent cortical neurotoxicity of hydrogen sulfide. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 727-732.	2.1	23
128	Integrin $\alpha 5 \beta 1$ expression on dopaminergic neurons is involved in dopaminergic neurite outgrowth on striatal neurons. <i>Scientific Reports</i> , 2017, 7, 42111.	3.3	23
129	Inhibitory effect of donepezil on bradykinin-induced increase in the intracellular calcium concentration in cultured cortical astrocytes. <i>Journal of Pharmacological Sciences</i> , 2017, 134, 37-44.	2.5	22
130	Inhibitory effect of the gut microbial linoleic acid metabolites, 10-oxo-trans-11-octadecenoic acid and 10-hydroxy-cis-12-octadecenoic acid, on BV-2 microglial cell activation. <i>Journal of Pharmacological Sciences</i> , 2018, 138, 9-15.	2.5	22
131	Long-term treatment with nicotine suppresses neurotoxicity of, and microglial activation by, thrombin in cortico-striatal slice cultures. <i>European Journal of Pharmacology</i> , 2009, 602, 288-293.	3.5	21
132	Cyclic AMP-dependent modulation of N- and Q-type Ca^{2+} channels expressed in <i>Xenopus</i> oocytes. <i>Neuroscience Letters</i> , 1996, 217, 13-16.	2.1	20
133	Receptor-Mediated Modulation of Voltage-Dependent Ca^{2+} Channels via Heterotrimeric G-proteins in Neurons.. <i>The Japanese Journal of Pharmacology</i> , 1999, 81, 324-331.	1.2	20
134	α -Amino- β -hydroxy- γ -methyl- δ -isoxazole propionate attenuates glutamate-induced caspase-3 cleavage via regulation of glycogen synthase kinase β . <i>Journal of Neuroscience Research</i> , 2008, 86, 1096-1105.	2.9	20
135	Neuroprotective effect of an Nrf2-ARE activator identified from a chemical library on dopaminergic neurons. <i>European Journal of Pharmacology</i> , 2018, 818, 470-479.	3.5	20
136	Donepezil modulates amyloid precursor protein endocytosis and reduction by up-regulation of SNX33 expression in primary cortical neurons. <i>Scientific Reports</i> , 2019, 9, 11922.	3.3	20
137	Regulation of N-methyl-D-aspartate cytotoxicity by neuroactive steroids in rat cortical neurons. <i>European Journal of Pharmacology</i> , 2002, 454, 165-175.	3.5	19
138	Phosphorylation of amyloid precursor protein (APP) at Tyr687 regulates APP processing by β - and γ -secretase. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 544-549.	2.1	19
139	Compensatory role of the Nrf2-ARE pathway against paraquat toxicity: Relevance of 26S proteasome activity. <i>Journal of Pharmacological Sciences</i> , 2015, 129, 150-159.	2.5	19
140	Protective effects of Nrf2-ARE activator on dopaminergic neuronal loss in Parkinson disease model mice: Possible involvement of heme oxygenase-1. <i>Neuroscience Letters</i> , 2020, 736, 135268.	2.1	19
141	Ether Extract of Fetal Calf Serum Protects Cultured Rat Cortical Neurons against Glutamate Cytotoxicity.. <i>The Japanese Journal of Pharmacology</i> , 1997, 73, 371-374.	1.2	17
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