Akinori Akaike

List of Publications by Year
in descending order

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190	11,919	18465 62	31818 101
papers	citations	h-index	g-index

195	195	195	11767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toward the generation of rod and cone photoreceptors from mouse, monkey and human embryonic stem cells. Nature Biotechnology, 2008, 26, 215-224.	9.4	590
2	Î±7 Nicotinic Receptor Transduces Signals to Phosphatidylinositol 3-Kinase to Block A Î²-Amyloid-induced Neurotoxicity. Journal of Biological Chemistry, 2001, 276, 13541-13546.	1.6	385
3	Localization of fractalkine and CX3CR1 mRNAs in rat brain: does fractalkine play a role in signaling from neuron to microglia?. FEBS Letters, 1998, 429, 167-172.	1.3	309
4	Wnt Signaling Promotes Regeneration in the Retina of Adult Mammals. Journal of Neuroscience, 2007, 27, 4210-4219.	1.7	306
5	Dopamine D2-type agonists protect mesencephalic neurons from glutamate neurotoxicity: Mechanisms of neuroprotective treatment against oxidative stress. Annals of Neurology, 1998, 44, 110-119.	2.8	275
6	Microglia-derived interleukin-6 and leukaemia inhibitory factor promote astrocytic differentiation of neural stem/progenitor cells. European Journal of Neuroscience, 2007, 25, 649-658.	1.2	262
7	Estradiol protects mesencephalic dopaminergic neurons from oxidative stress-induced neuronal death. Journal of Neuroscience Research, 1998, 54, 707-719.	1.3	224
8	Phosphatidylinositol 3-kinase mediates neuroprotection by estrogen in cultured cortical neurons. , 2000, 60, 321-327.		220
9	Nicotine-induced protection of cultured cortical neurons againstN-methyl-D-aspartate receptor-mediated glutamate cytotoxicity. Brain Research, 1994, 644, 181-187.	1.1	212
10	Nicotinic Acetylcholine Receptor-Mediated Neuroprotection by Donepezil Against Glutamate Neurotoxicity in Rat Cortical Neurons. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 772-777.	1.3	194
11	Flavonols and flavones as BACE-1 inhibitors: Structureâ€“activity relationship in cell-free, cell-based and in silico studies reveal novel pharmacophore features. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 819-825.	1.1	192
12	Nicotine protects cultured cortical neurons against glutamate-induced cytotoxicity via Î±7-neuronal receptors and neuronal CNS receptors. Brain Research, 1997, 765, 135-140.	1.1	189
13	Resveratrol protects dopaminergic neurons in midbrain slice culture from multiple insults. Biochemical Pharmacology, 2007, 73, 550-560.	2.0	186
14	A Critical Role of TRPM2 in Neuronal Cell Death by Hydrogen Peroxide. Journal of Pharmacological Sciences, 2006, 101, 66-76.	1.1	185
15	Mechanisms of Neuroprotective Effects of Nicotine and Acetylcholinesterase Inhibitors: Role of Î±4 and Î±7 Receptors in Neuroprotection. Journal of Molecular Neuroscience, 2010, 40, 211-216.	1.1	173
16	Acetylcholinesterase inhibitors used in treatment of Alzheimer's disease prevent glutamate neurotoxicity via nicotinic acetylcholine receptors and phosphatidylinositol 3-kinase cascade. Neuropharmacology, 2006, 51, 474-486.	2.0	169
17	Differential neurotoxicity induced by l-DOPA and dopamine in cultured striatal neurons. Brain Research, 1996, 743, 278-283.	1.1	156
18	Electrophysiological evidence for cholinoceptive neurons in the medial vestibular nucleus: Studies on rat brain stem in vitro. Neuroscience Letters, 1988, 93, 231-235.	1.0	152

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19	Mechanisms of antiapoptotic effects of estrogens in nigral dopaminergic neurons. FASEB Journal, 2000, 14, 1202-1214.	0.2	149
20	Excitatory and inhibitory effects of dopamine on neuronal activity of the caudate nucleus neurons in vitro. Brain Research, 1987, 418, 262-272.	1.1	147
21	Prostaglandin E2 protects cultured cortical neurons against N-methyl-d-aspartate receptor-mediated glutamate cytotoxicity. Brain Research, 1994, 663, 237-243.	1.1	139
22	The nucleus reticularis gigantocellularis of the medulla oblongata is a highly sensitive site in the production of morphine analgesia in the rat. European Journal of Pharmacology, 1977, 45, 91-92.	1.7	127
23	Proteasome Inhibition Induces Glutathione Synthesis and Protects Cells from Oxidative Stress. Journal of Biological Chemistry, 2007, 282, 4364-4372.	1.6	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. Brain Research, 1980, 194, 525-529.	1.1	124
25	Nongenomic antiapoptotic signal transduction by estrogen in cultured cortical neurons. Journal of Neuroscience Research, 2001, 64, 466-475.	1.3	121
26	Î±-Tocotrienol provides the most potent neuroprotection among vitamin E analogs on cultured striatal neurons. Neuropharmacology, 2004, 47, 904-915.	2.0	121
27	N â€methylâ€<scp>D</scp> â€aspartate receptorâ€mediated mitochondrial Ca ²⁺ overload in acute excitotoxic motor neuron death: A mechanism distinct from chronic neurotoxicity after Ca ²⁺ influx. Journal of Neuroscience Research, 2001, 63, 377-387.	1.3	117
28	Epigallocatechin-3-gallate and curcumin suppress amyloid beta-induced beta-site APP cleaving enzyme-1 upregulation. NeuroReport, 2008, 19, 1329-1333.	0.6	110
29	Estradiol protects dopaminergic neurons in a MPP+Parkinsonâ€™s disease model. Neuropharmacology, 2002, 42, 1056-1064.	2.0	109
30	HMGB1 inhibitor glycyrrhizin attenuates intracerebral hemorrhage-induced injury in rats. Neuropharmacology, 2011, 61, 975-980.	2.0	109
31	Mechanism of the pathogenesis of glutamate neurotoxicity in retinal ischemia. Graefe's Archive for Clinical and Experimental Ophthalmology, 1998, 236, 766-774.	1.0	106
32	Nicotinic receptor stimulation protects nigral dopaminergic neurons in rotenoneâ€induced Parkinson's disease models. Journal of Neuroscience Research, 2009, 87, 576-585.	1.3	105
33	Dual actions of nitric oxide inN-methyl-d-aspartate receptor-mediated neurotoxicity in cultured retinal neurons. Brain Research, 1996, 711, 93-101.	1.1	103
34	Proteasome Mediates Dopaminergic Neuronal Degeneration, and Its Inhibition Causes Î±-Synuclein Inclusions. Journal of Biological Chemistry, 2004, 279, 10710-10719.	1.6	103
35	Endogenous d-Serine Is Involved in Induction of Neuronal Death by N-Methyl-d-aspartate and Simulated Ischemia in Rat Cerebrocortical Slices. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 836-844.	1.3	100
36	Multifunction of myricetin on AÎ²: Neuroprotection via a conformational change of AÎ² and reduction of AÎ² via the interference of secretases. Journal of Neuroscience Research, 2008, 86, 368-377.	1.3	100

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37	Analgesia produced by microinjection ofl-glutamate into the rostral ventromedial bulbar nuclei of the rat and its inhibition by intrathecal Î±-adrenergic blocking agents. Brain Research, 1983, 261, 361-364.	1.1	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. Annals of Neurology, 1998, 44, 796-807.	2.8	95
39	PI3K/Akt/mTOR signaling regulates glutamate transporter 1 in astrocytes. Biochemical and Biophysical Research Communications, 2010, 393, 514-518.	1.0	92
40	Lomerizine, a Ca2+Channel Blocker, Reduces Glutamate-induced Neurotoxicity and Ischemia/Reperfusion Damage in Rat Retina. Experimental Eye Research, 2000, 70, 475-484.	1.2	91
41	Protective effects of a vitamin B12 analog, methylcobalamin, against glutamate cytotoxicity in cultured cortical neurons. European Journal of Pharmacology, 1993, 241, 1-6.	1.7	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. Brain Research, 1979, 169, 406-410.	1.1	89
43	Mechanisms of cholecystokinin-induced protection of cultured cortical neurons against N-methyl-d-aspartate receptor-mediated glutamate cytotoxicity. Brain Research, 1992, 592, 317-325.	1.1	89
44	p-quinone mediates 6-hydroxydopamine-induced dopaminergic neuronal death and ferrous iron accelerates the conversion ofp-quinone into melanin extracellularly. Journal of Neuroscience Research, 2005, 79, 849-860.	1.3	89
45	BDNF prevents NO mediated glutamate cytotoxicity in cultured cortical neurons. Brain Research, 1997, 756, 200-204.	1.1	88
46	Protective effect of dopamine D2 agonists in cortical neurons via the phosphatidylinositol 3 kinase cascade. Journal of Neuroscience Research, 2002, 70, 274-282.	1.3	87
47	Involvement of thrombin and mitogen-activated protein kinase pathways in hemorrhagic brain injury. Experimental Neurology, 2007, 206, 43-52.	2.0	86
48	Retinoic acid receptor stimulation protects midbrain dopaminergic neurons from inflammatory degeneration via BDNFâ€•mediated signaling. Journal of Neurochemistry, 2009, 110, 707-718.	2.1	80
49	Protective Effect of Aminoguanidine on Hypoxic-Ischemic Brain Damage and Temporal Profile of Brain Nitric Oxide in Neonatal Rat. Pediatric Research, 2000, 47, 79-79.	1.1	80
50	Neuroprotective Mechanism of Glial Cell Lineâ€Đerived Neurotrophic Factor in Mesencephalic Neurons. Journal of Neurochemistry, 2000, 74, 1175-1184.	2.1	79
51	p75-mediated neuroprotection by NGF against glutamate cytotoxicity in cortical cultures. Brain Research, 2000, 852, 279-289.	1.1	79
52	Glutathione Biosynthesis via Activation of the Nuclear Factor E2â€“Related Factor 2 (Nrf2) â€“ Antioxidant-Response Element (ARE) Pathway Is Essential for Neuroprotective Effects of Sulforaphane and 6-(Methylsulfinyl) Hexyl Isothiocyanate. Journal of Pharmacological Sciences, 2011, 115, 320-328.	1.1	79
53	Decreased proliferation of hippocampal progenitor cells in APPswe/PS1dE9 transgenic mice. NeuroReport, 2007, 18, 1801-1805.	0.6	76
54	Analgesic by enkephalins injected into the nucleus reticularis gigantocellularis of rat medulla oblongata. European Journal of Pharmacology, 1978, 49, 113-116.	1.7	74

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55	Three distinct neuroprotective functions of myricetin against glutamateâ€induced neuronal cell death: Involvement of direct inhibition of caspaseâ€3. Journal of Neuroscience Research, 2008, 86, 1836-1845.	1.3	71
56	Inhibition of NMDA receptors and nitric oxide synthase reduces ischemic injury of the retina. European Journal of Pharmacology, 1998, 350, 53-57.	1.7	70
57	Identification and Characterization of Novel Human Cav2.2 (Î±1B) Calcium Channel Variants Lacking the Synaptic Protein Interaction Site. Journal of Neuroscience, 2002, 22, 82-92.	1.7	70
58	l-DOPA induces Ca2+-dependent and tetrodotoxin-sensitive release of endogenous glutamate from rat striatal slices. Brain Research, 1993, 617, 167-170.	1.1	68
59	Induction of macrophage inflammatory protein MIP-1Î± mRNA on glial cells after focal cerebral ischemia in the rat. Neuroscience Letters, 1997, 227, 173-176.	1.0	67
60	Increase in nitric oxide in the hypoxicâ€“ischemic neonatal rat brain and suppression by 7-nitroindazole and aminoguanidine. European Journal of Pharmacology, 1998, 342, 47-49.	1.7	67
61	Protection of cultured spinal motor neurons by estradiol. NeuroReport, 2000, 11, 3493-3497.	0.6	67
62	Protective effect of nerve growth factor against glutamate-induced neurotoxicity in cultured cortical neurons. Brain Research, 1993, 632, 296-302.	1.1	65
63	Neuroprotective effects of Î±-tocopherol on oxidative stress in rat striatal cultures. European Journal of Pharmacology, 2003, 465, 15-22.	1.7	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. Journal of Neuroscience Research, 2003, 71, 485-495.	1.3	62
66	Dibutyryl cyclic AMP induces differentiation of human neuroblastoma SH-SY5Y cells into a noradrenergic phenotype. Neuroscience Letters, 2008, 443, 199-203.	1.0	62
67	Apoptotic DNA fragmentation and upregulation of Bax induced by transient ischemia of the rat retina. Brain Research, 1999, 815, 11-20.	1.1	61
68	Mechanisms of oxygen glucose deprivation-induced glutamate release from cerebrocortical slice cultures. Neuroscience Research, 2004, 50, 179-187.	1.0	61
69	Cholecystokinin-induced protection of cultured cortical neurons against glutamate neurotoxicity. Brain Research, 1991, 557, 303-307.	1.1	59
70	Brain-derived neurotrophic factor pretreatment exerts a partially protective effect against glutamate-induced neurotoxicity in cultured rat cortical neurons. Neuroscience Letters, 1993, 164, 55-58.	1.0	59
71	Mulberry leaf extract prevents amyloid beta-peptide fibril formation and neurotoxicity. NeuroReport, 2007, 18, 813-816.	0.6	59
72	Activation of Inositol 1,4,5-Trisphosphate Receptor Is Essential for the Opening of Mouse TRP5 Channels. Molecular Pharmacology, 2001, 60, 989-998.	1.0	57

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73	Antagonism of NMDA receptors by Ïƒ receptor ligands attenuates chemical ischemia-induced neuronal death in vitro. European Journal of Pharmacology, 2002, 455, 91-100.	1.7	57
74	Up-regulation of nicotinic acetylcholine receptors by central-type acetylcholinesterase inhibitors in rat cortical neurons. European Journal of Pharmacology, 2005, 527, 77-85.	1.7	57
75	Glutamate Excitotoxicity Is Involved in Cell Death Caused by Tributyltin in Cultured Rat Cortical Neurons. Toxicological Sciences, 2006, 89, 235-242.	1.4	57
76	NÏ‰-Nitro-l-arginine methyl ester protects retinal neurons against N-methyl-d-aspartate-induced neurotoxicity in vivo. European Journal of Pharmacology, 1997, 328, 45-49.	1.7	55
77	Roles of Nicotinic Receptors in Acetylcholinesterase Inhibitor-Induced Neuroprotection and Nicotinic Receptor Up-Regulation. Biological and Pharmaceutical Bulletin, 2009, 32, 318-324.	0.6	55
78	Differential Expression of Small Heat Shock Proteins in Reactive Astrocytes after Focal Ischemia: Possible Role of Î²-Adrenergic Receptor. Journal of Neuroscience, 1999, 19, 9768-9779.	1.7	54
79	Preclinical Evidence of Neuroprotection by Cholinesterase Inhibitors. Alzheimer Disease and Associated Disorders, 2006, 20, S8-S11.	0.6	54
80	Isolation of a diterpenoid substance with potent neuroprotective activity from fetal calf serum. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3288-3293.	3.3	53
81	Effects of mitochondrial dysfunction on glutamate receptor-mediated neurotoxicity in cultured rat spinal motor neurons. Brain Research, 2004, 1015, 73-81.	1.1	50
82	Amyloid Î²-peptide preconditioning reduces glutamate-induced neurotoxicity by promoting endocytosis of NMDA receptor. Biochemical and Biophysical Research Communications, 2006, 351, 259-265.	1.0	49
83	Thrombin-induced delayed injury involves multiple and distinct signaling pathways in the cerebral cortex and the striatum in organotypic slice cultures. Neurobiology of Disease, 2006, 22, 130-142.	2.1	49
84	Depletion of Intracellular Glutathione Increases Susceptibility to Nitric Oxide in Mesencephalic Dopaminergic Neurons. Journal of Neurochemistry, 2002, 73, 1696-1703.	2.1	48
85	Rac1 inhibition negatively regulates transcriptional activity of the amyloid precursor protein gene. Journal of Neuroscience Research, 2009, 87, 2105-2114.	1.3	48
86	Dopamine-induced protection of striatal neurons against kainate receptor-mediated glutamate cytotoxicity in vitro. Brain Research, 1994, 655, 61-69.	1.1	46
87	l-DOPA neurotoxicity is mediated by glutamate release in cultured rat striatal neurons. Brain Research, 1997, 771, 159-162.	1.1	46
88	Dopamine is involved in selectivity of dopaminergic neuronal death by rotenone. NeuroReport, 2003, 14, 2425-2428.	0.6	46
89	Vulnerability to glutamate toxicity of dopaminergic neurons is dependent on endogenous dopamine and MAPK activation. Journal of Neurochemistry, 2009, 110, 745-755.	2.1	45
90	Isolation, identification, and biological evaluation of Nrf2-ARE activator from the leaves of green perilla (Perilla frutescens var. crispa f. viridis). Free Radical Biology and Medicine, 2012, 53, 669-679.	1.3	45

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91	Mitochondrial ATP-Sensitive Potassium Channel: A Novel Site for Neuroprotection. , 2003, 44, 2750.		44
92	Lipopolysaccharideâ€induced dopaminergic cell death in rat midbrain slice cultures: role of inducible nitric oxide synthase and protection by indomethacin. Journal of Neurochemistry, 2003, 86, 1201-1212.	2.1	43
93	Stimulation of nicotinic acetylcholine receptors protects motor neurons. Biochemical and Biophysical Research Communications, 2005, 330, 1285-1289.	1.0	40
94	Impaired muscarinic regulation of excitatory synaptic transmission in the APPswe/PS1dE9 mouse model of Alzheimer's disease. European Journal of Pharmacology, 2008, 583, 84-91.	1.7	39
95	Dopamine facilitates Î±-synuclein oligomerization in human neuroblastoma SH-SY5Y cells. Biochemical and Biophysical Research Communications, 2010, 391, 129-134.	1.0	39
96	PE859, A Novel Curcumin Derivative, Inhibits Amyloid-Î² and Tau Aggregation, and Ameliorates Cognitive Dysfunction in Senescence-Accelerated Mouse Prone 8. Journal of Alzheimer's Disease, 2017, 59, 313-328.	1.2	39
97	Mechanism of neuroprotection by donepezil pretreatment in rat cortical neurons chronically treated with donepezil. Journal of Neuroscience Research, 2008, 86, 3575-3583.	1.3	38
98	Neuroprotective effects of galanthamine and tacrine against glutamate neurotoxicity. European Journal of Pharmacology, 2006, 549, 19-26.	1.7	37
99	Contribution of endogenous glycine and d-serine to excitotoxic and ischemic cell death in rat cerebrocortical slice cultures. Life Sciences, 2007, 81, 740-749.	2.0	37
100	Hyperbilirubinemia protects against focal ischemia in rats. Journal of Neuroscience Research, 2003, 71, 544-550.	1.3	36
101	Novel neuroprotective mechanisms of pramipexole, an anti-Parkinson drug, against endogenous dopamine-mediated excitotoxicity. European Journal of Pharmacology, 2007, 557, 132-140.	1.7	36
102	Neuroprotective mechanisms of antiparkinsonian dopamine D2-receptor subfamily agonists. Neurochemical Research, 2003, 28, 1035-1040.	1.6	35
103	Iron accelerates the conversion of dopamine-oxidized intermediates into melanin and provides protection in SH-SY5Y cells. Journal of Neuroscience Research, 2005, 82, 126-137.	1.3	35
104	Chapter 33 Regulation by neuroprotective factors of NMDA receptor mediated nitric oxide synthesis in the brain and retina. Progress in Brain Research, 1994, 103, 391-403.	0.9	34
105	Contribution of endogenous glycine site NMDA agonists to excitotoxic retinal damage in vivo. Neuroscience Research, 2006, 56, 279-285.	1.0	34
106	Nitric oxide-producing microglia mediate thrombin-induced degeneration of dopaminergic neurons in rat midbrain slice culture. Journal of Neurochemistry, 2006, 97, 1232-1242.	2.1	34
107	Elevation of heme oxygenaseâ€1 by proteasome inhibition affords dopaminergic neuroprotection. Journal of Neuroscience Research, 2010, 88, 1934-1942.	1.3	33
108	Protective effect of Nrf2â€“ARE activator isolated from green perilla leaves on dopaminergic neuronal loss in a Parkinson's disease model. European Journal of Pharmacology, 2017, 798, 26-34.	1.7	32

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109	Muscarinic regulation of spontaneously active medial vestibular neurons in vitro. Neuroscience Letters, 1989, 106, 205-210.	1.0	31
110	Effects of B vitamins on glutamate-induced neurotoxicity in retinal cultures. European Journal of Pharmacology, 1997, 322, 259-264.	1.7	31
111	Differential regulation of neurogenesis in two neurogenic regions of APPswe/PS1dE9 transgenic mice. NeuroReport, 2008, 19, 1361-1364.	0.6	31
112	Toxicity in Rat Primary Neurons through the Cellular Oxidative Stress Induced by the Turn Formation at Positions 22 and 23 of AÎ²42. ACS Chemical Neuroscience, 2012, 3, 674-681.	1.7	31
113	Donepezil Potentiates Nerve Growth Factor-Induced Neurite Outgrowth in PC12 Cells. Journal of Pharmacological Sciences, 2007, 104, 349-354.	1.1	30
114	Heme oxygenase-1 contributes to pathology associated with thrombin-induced striatal and cortical injury in organotypic slice culture. Brain Research, 2010, 1347, 170-178.	1.1	30
115	Binding of GÎ±o N Terminus Is Responsible for the Voltage-resistant Inhibition of Î±1A (P/Q-type, Cav2.1) Ca2+ Channels. Journal of Biological Chemistry, 2001, 276, 28731-28738.	1.6	29
116	Mechanisms of Î±7-nicotinic receptor up-regulation and sensitization to donepezil induced by chronic donepezil treatment. European Journal of Pharmacology, 2008, 590, 150-156.	1.7	29
117	Involvement of direct inhibition of NMDA receptors in the effects of Ïƒ-receptor ligands on glutamate neurotoxicity in vitro. European Journal of Pharmacology, 2000, 404, 41-48.	1.7	28
118	Serofendic Acid, a Sulfur-Containing Diterpenoid Derived from Fetal Calf Serum, Attenuates Reactive Oxygen Species-Induced Oxidative Stress in Cultured Striatal Neurons. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 51-59.	1.3	28
119	Plasminogen Potentiates Thrombin Cytotoxicity and Contributes to Pathology of Intracerebral Hemorrhage in Rats. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 506-515.	2.4	28
120	Multiplex Neural Circuit Tracing With G-Deleted Rabies Viral Vectors. Frontiers in Neural Circuits, 2019, 13, 77.	1.4	28
121	Serofendic acid prevents acute glutamate neurotoxicity in cultured cortical neurons. European Journal of Pharmacology, 2003, 477, 195-203.	1.7	26
122	Superoxide dismutase activity in organotypic midbrain-striatum co-cultures is associated with resistance of dopaminergic neurons to excitotoxicity. Journal of Neurochemistry, 2001, 76, 1336-1345.	2.1	25
123	Mitogenâ€activated protein kinases support survival of activated microglia that mediate thrombinâ€induced striatal injury in organotypic slice culture. Journal of Neuroscience Research, 2010, 88, 2155-2164.	1.3	24
124	Staurosporine induces dopaminergic neurite outgrowth through AMP-activated protein kinase/mammalian target of rapamycin signaling pathway. Neuropharmacology, 2014, 77, 39-48.	2.0	24
125	Vitamin B6 protects primate retinal neurons from ischemic injury. Brain Research, 2002, 940, 36-43.	1.1	23
126	Serofendic acid, a neuroprotective substance derived from fetal calf serum, inhibits mitochondrial membrane depolarization and caspase-3 activation. European Journal of Pharmacology, 2006, 542, 69-76.	1.7	23

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127	Involvement of ERK in NMDA receptor-independent cortical neurotoxicity of hydrogen sulfide. Biochemical and Biophysical Research Communications, 2011, 414, 727-732.	1.0	23
128	Integrin Î±5Î²1 expression on dopaminergic neurons is involved in dopaminergic neurite outgrowth on striatal neurons. Scientific Reports, 2017, 7, 42111.	1.6	23
129	Inhibitory effect of donepezil on bradykinin-induced increase in the intracellular calcium concentration in cultured cortical astrocytes. Journal of Pharmacological Sciences, 2017, 134, 37-44.	1.1	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. Journal of Pharmacological Sciences, 2018, 138, 9-15.	1.1	22
131	Long-term treatment with nicotine suppresses neurotoxicity of, and microglial activation by, thrombin in cortico-striatal slice cultures. European Journal of Pharmacology, 2009, 602, 288-293.	1.7	21
132	Cyclic AMP-dependent modulation of N- and Q-type Ca2+ channels expressed in Xenopus oocytes. Neuroscience Letters, 1996, 217, 13-16.	1.0	20
133	Receptor-Mediated Modulation of Voltage-Dependent Ca2+ Channels via Heterotrimeric G-proteins in Neurons.. The Japanese Journal of Pharmacology, 1999, 81, 324-331.	1.2	20
134	Î±â€Aminoâ€3â€hydroxyâ€5â€methylâ€4â€isoxazole propionate attenuates glutamateâ€induced caspaseâ€3 cleavage via regulation of glycogen synthase kinase 3Î². Journal of Neuroscience Research, 2008, 86, 1096-1105.	1.3	20
135	Neuroprotective effect of an Nrf2-ARE activator identified from a chemical library on dopaminergic neurons. European Journal of Pharmacology, 2018, 818, 470-479.	1.7	20
136	Donepezil modulates amyloid precursor protein endocytosis and reduction by up-regulation of SNX33 expression in primary cortical neurons. Scientific Reports, 2019, 9, 11922.	1.6	20
137	Regulation of N-methyl-d-aspartate cytotoxicity by neuroactive steroids in rat cortical neurons. European Journal of Pharmacology, 2002, 454, 165-175.	1.7	19
138	Phosphorylation of amyloid precursor protein (APP) at Tyr687 regulates APP processing by Î±- and Î³-secretase. Biochemical and Biophysical Research Communications, 2008, 377, 544-549.	1.0	19
139	Compensatory role of the Nrf2â€“ARE pathway against paraquat toxicity: Relevance of 26S proteasome activity. Journal of Pharmacological Sciences, 2015, 129, 150-159.	1.1	19
140	Protective effects of Nrf2â€“ARE activator on dopaminergic neuronal loss in Parkinson disease model mice: Possible involvement of heme oxygenase-1. Neuroscience Letters, 2020, 736, 135268.	1.0	19
141	Ether Extract of Fetal Calf Serum Protects Cultured Rat Cortical Neurons against Glutamate Cytotoxicity.. The Japanese Journal of Pharmacology, 1997, 73, 371-374.	1.2	17
142	Non-toxic conformer of amyloid Î² may suppress amyloid Î²-induced toxicity in rat primary neurons: Implications for a novel therapeutic strategy for Alzheimerâ€™s disease. Biochemical and Biophysical Research Communications, 2013, 438, 1-5.	1.0	17
143	Nitric oxide-mediated effect of nipradilol, an Î±- and Î²-adrenergic blocker, on glutamate neurotoxicity in rat cortical cultures. European Journal of Pharmacology, 2006, 535, 86-94.	1.7	16
144	Retinal Neurotoxicity of Nitric Oxide Donors With Different Half-Life of Nitric Oxide Release: Involvement of N-Methyl-D-aspartate Receptor. Journal of Pharmacological Sciences, 2003, 92, 428-432.	1.1	15

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145	E22Î” Mutation in AmyloidÎ²-Protein PromotesÎ²-Sheet Transformation, Radical Production, and Synaptotoxicity, But Not Neurotoxicity. International Journal of Alzheimer's Disease, 2011, 2011, 1-8.	1.1	15
146	Blockade of Retinal NMDA Receptors by Sodium Nitroprusside Is Probably Due to Nitric Oxide Formation. The Japanese Journal of Pharmacology, 1993, 62, 49-56.	1.2	14
147	Microtubule-associated protein 2-positive cells derived from microglia possess properties of functional neurons. Biochemical and Biophysical Research Communications, 2008, 368, 971-976.	1.0	14
148	Inhibition of Ca2+ channel current by Î¼- and Îº-opioid receptors coexpressed in Xenopus oocytes: desensitization dependence on Ca2+ channel Î± 1 subunits. British Journal of Pharmacology, 1997, 121, 806-812.	2.7	13
149	Inhibition of glutamate-induced nitric oxide synthase activation by dopamine in cultured rat retinal neurons. Neuroscience Letters, 2003, 347, 155-158.	1.0	13
150	Protective effect of serofendic acid on glutamate-induced neurotoxicity in rat cultured motor neurons. Neuroscience Letters, 2005, 383, 199-202.	1.0	13
151	Donepezil attenuates excitotoxic damage induced by membrane depolarization of cortical neurons exposed to veratridine. European Journal of Pharmacology, 2008, 588, 189-197.	1.7	12
152	Î±-Synuclein protein is not scavenged in neuronal loss induced by kainic acid or focal ischemia. Brain Research, 2001, 898, 181-185.	1.1	11
153	Tetraethylammonium exacerbates ischemic neuronal injury in rat cerebrocortical slice cultures. European Journal of Pharmacology, 2005, 508, 85-91.	1.7	11
154	Abeta-induced BACE-1 cleaves N-terminal sequence of mPGES-2. Biochemical and Biophysical Research Communications, 2010, 393, 728-733.	1.0	11
155	Endogenous Factors Regulating Neuronal Death Induced by Radical Stress. Biological and Pharmaceutical Bulletin, 2004, 27, 964-967.	0.6	10
156	Aminoglutethimide prevents excitotoxic and ischemic injuries in cortical neurons. British Journal of Pharmacology, 2006, 147, 729-736.	2.7	10
157	A molecular pathway involved in the generation of microtubule-associated protein 2-positive cells from microglia. Biochemical and Biophysical Research Communications, 2008, 370, 184-188.	1.0	10
158	Increased CCL6 expression in astrocytes and neuronal protection from neuronâ€“astrocyte interactions. Biochemical and Biophysical Research Communications, 2019, 519, 777-782.	1.0	10
159	Pharmacological and physiological properties of serofendic acid, a novel neuroprotective substance isolated from fetal calf serum. Life Sciences, 2003, 74, 263-269.	2.0	9
160	Protective Effect of Dimethyl Fumarate on an Oxidative Stress Model Induced by Sodium Nitroprusside in Mice. Biological and Pharmaceutical Bulletin, 2016, 39, 1055-1059.	0.6	9
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