Anumantha G Kanthasamy

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Inflammasome inhibition prevents Î±-synuclein pathology and dopaminergic neurodegeneration in mice. Science Translational Medicine, 2018, 10, .	5.8	493
4	Gut microbiome in health and disease: Linking the microbiomeâ€“gutâ€“brain axis and environmental factors in the pathogenesis of systemic and neurodegenerative diseases. , 2016, 158, 52-62.		394
5	Mechanism of intranasal drug delivery directly to the brain. Life Sciences, 2018, 195, 44-52.	2.0	385
6	Mitochondria-targeted antioxidants for treatment of Parkinson's disease: Preclinical and clinical outcomes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1282-1294.	1.8	268
7	Neurotoxicity of pesticides. Acta Neuropathologica, 2019, 138, 343-362.	3.9	265
8	NMDA Receptor Activation Produces Concurrent Generation of Nitric Oxide and Reactive Oxygen Species: Implications for Cell Death. Journal of Neurochemistry, 1995, 65, 2016-2021.	2.1	253
9	Caspase-3-Dependent Proteolytic Cleavage of Protein Kinase CÎ´ Is Essential for Oxidative Stress-Mediated Dopaminergic Cell Death after Exposure to Methylcyclopentadienyl Manganese Tricarbonyl. Journal of Neuroscience, 2002, 22, 1738-1751.	1.7	210
10	Mitochondrial impairment in microglia amplifies NLRP3 inflammasome proinflammatory signaling in cell culture and animal models of Parkinsonâ€™s disease. Npj Parkinson's Disease, 2017, 3, 30.	2.5	189
11	Environmental Neurotoxic Pesticide Increases Histone Acetylation to Promote Apoptosis in Dopaminergic Neuronal Cells: Relevance to Epigenetic Mechanisms of Neurodegeneration. Molecular Pharmacology, 2010, 77, 621-632.	1.0	181
12	Dieldrin-Induced Neurotoxicity: Relevance to Parkinson's Disease Pathogenesis. NeuroToxicology, 2005, 26, 701-719.	1.4	172
13	Dieldrin-induced oxidative stress and neurochemical changes contribute to apoptopic cell death in dopaminergic cells. Free Radical Biology and Medicine, 2001, 31, 1473-1485.	1.3	171
14	Fyn kinase regulates misfolded Î±-synuclein uptake and NLRP3 inflammasome activation in microglia. Journal of Experimental Medicine, 2019, 216, 1411-1430.	4.2	169
15	Manganese-Induced Neurotoxicity: New Insights Into the Triad of Protein Misfolding, Mitochondrial Impairment, and Neuroinflammation. Frontiers in Neuroscience, 2019, 13, 654.	1.4	167
16	Caspase-3 dependent proteolytic activation of protein kinase Cdelta mediates and regulates 1-methyl-4-phenylpyridinium (MPP+)-induced apoptotic cell death in dopaminergic cells: relevance to oxidative stress in dopaminergic degeneration. European Journal of Neuroscience, 2003, 18, 1387-1401.	1.2	158
17	Neuroprotection by a mitochondria-targeted drug in a Parkinson's disease model. Free Radical Biology and Medicine, 2010, 49, 1674-1684.	1.3	153
18	Dieldrin induces apoptosis by promoting caspase-3-dependent proteolytic cleavage of protein kinase CÎ´ in dopaminergic cells: relevance to oxidative stress and dopaminergic degeneration. Neuroscience, 2003, 119, 945-964.	1.1	151

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19	Protein Kinase CÎ´ Is a Key Downstream Mediator of Manganese-Induced Apoptosis in Dopaminergic Neuronal Cells. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 46-55.	1.3	143
20	Î±-Synuclein Negatively Regulates Protein Kinase CÎ´ Expression to Suppress Apoptosis in Dopaminergic Neurons by Reducing p300 Histone Acetyltransferase Activity. Journal of Neuroscience, 2011, 31, 2035-2051.	1.7	136
21	Fyn Kinase Regulates Microglial Neuroinflammatory Responses in Cell Culture and Animal Models of Parkinson's Disease. Journal of Neuroscience, 2015, 35, 10058-10077.	1.7	136
22	Molecular mechanisms underlying protective effects of quercetin against mitochondrial dysfunction and progressive dopaminergic neurodegeneration in cell culture and MitoPark transgenic mouse models of Parkinson's Disease. Journal of Neurochemistry, 2017, 141, 766-782.	2.1	134
23	Manganese promotes the aggregation and prion-like cell-to-cell exosomal transmission of Î±-synuclein. Science Signaling, 2019, 12, .	1.6	129
24	Neuroprotective Effect of Protein Kinase CÎ´ Inhibitor Rottlerin in Cell Culture and Animal Models of Parkinson's Disease. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 913-922.	1.3	125
25	Role of Proteolytic Activation of Protein Kinase CÎ´ in Oxidative Stress-Induced Apoptosis. Antioxidants and Redox Signaling, 2003, 5, 609-620.	2.5	122
26	Manganese nanoparticle activates mitochondrial dependent apoptotic signaling and autophagy in dopaminergic neuronal cells. Toxicology and Applied Pharmacology, 2011, 256, 227-240.	1.3	121
27	Epigallocatechin Gallate Has a Neurorescue Effect in a Mouse Model of Parkinson Disease. Journal of Nutrition, 2017, 147, 1926-1931.	1.3	111
28	Pharmacological inhibition of neuronal NADPH oxidase protects against 1-methyl-4-phenylpyridinium (MPP+)-induced oxidative stress and apoptosis in mesencephalic dopaminergic neuronal cells. NeuroToxicology, 2007, 28, 988-997.	1.4	108
29	Neuroprotective effect of the natural iron chelator, phytic acid in a cell culture model of Parkinson's disease. Toxicology, 2008, 245, 101-108.	2.0	107
30	Mito-Apocynin Prevents Mitochondrial Dysfunction, Microglial Activation, Oxidative Damage, and Progressive Neurodegeneration in MitoPark Transgenic Mice. Antioxidants and Redox Signaling, 2017, 27, 1048-1066.	2.5	107
31	Manganese exposure induces neuroinflammation by impairing mitochondrial dynamics in astrocytes. NeuroToxicology, 2018, 64, 204-218.	1.4	106
32	Paraquat induces epigenetic changes by promoting histone acetylation in cell culture models of dopaminergic degeneration. NeuroToxicology, 2011, 32, 586-595.	1.4	105
33	Vanadium induces dopaminergic neurotoxicity via protein kinase Cdelta dependent oxidative signaling mechanisms: Relevance to etiopathogenesis of Parkinson's disease. Toxicology and Applied Pharmacology, 2009, 240, 273-285.	1.3	103
34	Manganese activates NLRP3 inflammasome signaling and propagates exosomal release of ASC in microglial cells. Science Signaling, 2019, 12, .	1.6	103
35	Anti-inflammatory and neuroprotective effects of an orally active apocynin derivative in pre-clinical models of Parkinsonâ€™s disease. Journal of Neuroinflammation, 2012, 9, 241.	3.1	98
36	Nanoneuromedicines for degenerative, inflammatory, and infectious nervous system diseases. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 751-767.	1.7	98

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37	Î±â€Synuclein Realâ€Time Quakingâ€Induced Conversion in the Submandibular Glands of Parkinson's Disease Patients. Movement Disorders, 2020, 35, 268-278.	2.2	98
38	Tyrosine Phosphorylation Regulates the Proteolytic Activation of Protein Kinase CÎ´ in Dopaminergic Neuronal Cells. Journal of Biological Chemistry, 2005, 280, 28721-28730.	1.6	97
39	Proteasome inhibitor MG-132 induces dopaminergic degeneration in cell culture and animal models. NeuroToxicology, 2006, 27, 807-815.	1.4	93
40	Mitoapocynin Treatment Protects Against Neuroinflammation and Dopaminergic Neurodegeneration in a Preclinical Animal Model of Parkinsonâ€™s Disease. Journal of NeuroImmune Pharmacology, 2016, 11, 259-278.	2.1	93
41	Monitoring intracellular nitric oxide formation by dichlorofluorescin in neuronal cells. Journal of Neuroscience Methods, 1995, 61, 15-21.	1.3	92
42	Protein Kinase CÂ Negatively Regulates Tyrosine Hydroxylase Activity and Dopamine Synthesis by Enhancing Protein Phosphatase-2A Activity in Dopaminergic Neurons. Journal of Neuroscience, 2007, 27, 5349-5362.	1.7	92
43	Prokineticinâ€2 promotes chemotaxis and alternative A2 reactivity of astrocytes. Glia, 2018, 66, 2137-2157.	2.5	92
44	DNA Aptamers That Bind to PrP^C and Not Prp^{Sc} Show Sequence and Structure Specificity. Experimental Biology and Medicine, 2006, 231, 204-214.	1.1	89
45	Blinded <scp>RTâ€QuIC</scp> Analysis of <scp>Î±â€Synuclein</scp> Biomarker in Skin Tissue From Parkinson's Disease Patients. Movement Disorders, 2020, 35, 2230-2239.	2.2	88
46	Dieldrin Induces Ubiquitin-Proteasome Dysfunction in Î±-Synuclein Overexpressing Dopaminergic Neuronal Cells and Enhances Susceptibility to Apoptotic Cell Death. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 69-79.	1.3	84
47	Normal Cellular Prion Protein Protects against Manganese-Induced Oxidative Stress and Apoptotic Cell Death. Toxicological Sciences, 2007, 98, 495-509.	1.4	84
48	Î±-Synuclein Protects Against Manganese Neurotoxic Insult During the Early Stages of Exposure in a Dopaminergic Cell Model of Parkinsonâ€™s Disease. Toxicological Sciences, 2015, 143, 454-468.	1.4	84
49	A simple magnetic separation method for high-yield isolation of pure primary microglia. Journal of Neuroscience Methods, 2011, 194, 287-296.	1.3	83
50	Organophosphate pesticide chlorpyrifos impairs STAT1 signaling to induce dopaminergic neurotoxicity: Implications for mitochondria mediated oxidative stress signaling events. Neurobiology of Disease, 2018, 117, 82-113.	2.1	83
51	Protein kinase CÎ´ upregulation in microglia drives neuroinflammatory responses and dopaminergic neurodegeneration in experimental models of Parkinson's disease. Neurobiology of Disease, 2016, 93, 96-114.	2.1	82
52	Oxidative Stress and Mitochondrial-Mediated Apoptosis in Dopaminergic Cells Exposed to Methylcyclopentadienyl Manganese Tricarbonyl. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 26-35.	1.3	81
53	Neuronal protection against oxidative insult by polyanhydride nanoparticle-based mitochondria-targeted antioxidant therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 809-820.	1.7	80
54	Interaction of metals with prion protein: Possible role of divalent cations in the pathogenesis of prion diseases. NeuroToxicology, 2006, 27, 777-787.	1.4	79

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55	The Gut-Brain Axis in Neurodegenerative Diseases and Relevance of the Canine Model: A Review. Frontiers in Aging Neuroscience, 2019, 11, 130.	1.7	76
56	Blood lipid and oxidative stress responses to soy protein with isoflavones and phytic acid in postmenopausal women. American Journal of Clinical Nutrition, 2005, 81, 590-596.	2.2	75
57	Prokineticin-2 upregulation during neuronal injury mediates a compensatory protective response against dopaminergic neuronal degeneration. Nature Communications, 2016, 7, 12932.	5.8	75
58	Methamphetamine-induced neurotoxicity linked to ubiquitin-proteasome system dysfunction and autophagy-related changes that can be modulated by protein kinase C delta in dopaminergic neuronal cells. Neuroscience, 2012, 210, 308-332.	1.1	74
59	Environmental neurotoxicant manganese regulates exosome-mediated extracellular miRNAs in cell culture model of Parkinson's disease: Relevance to Î±-synuclein misfolding in metal neurotoxicity. NeuroToxicology, 2018, 64, 267-277.	1.4	71
60	The Peptidyl-prolyl Isomerase Pin1 Up-regulation and Proapoptotic Function in Dopaminergic Neurons. Journal of Biological Chemistry, 2013, 288, 21955-21971.	1.6	68
61	Methamphetamine Induces Autophagy and Apoptosis in a Mesencephalic Dopaminergic Neuronal Culture Model: Role of Cathepsin-D in Methamphetamine-Induced Apoptotic Cell Death. Annals of the New York Academy of Sciences, 2006, 1074, 234-244.	1.8	67
62	Proteolytic activation of proapoptotic kinase protein kinase CÎ´ by tumor necrosis factor Î± death receptor signaling in dopaminergic neurons during neuroinflammation. Journal of Neuroinflammation, 2012, 9, 82.	3.1	66
63	Ultrasensitive Detection of Aggregated Î±-Synuclein in Glial Cells, Human Cerebrospinal Fluid, and Brain Tissue Using the RT-QuIC Assay: New High-Throughput Neuroimmune Biomarker Assay for Parkinsonian Disorders. Journal of NeuroImmune Pharmacology, 2019, 14, 423-435.	2.1	66
64	Dopaminergic Neurotoxicity of Cyanide: Neurochemical, Histological, and Behavioral Characterization. Toxicology and Applied Pharmacology, 1994, 126, 156-163.	1.3	65
65	Wild-type Î±-synuclein interacts with pro-apoptotic proteins PKCÎ´ and BAD to protect dopaminergic neuronal cells against MPP+-induced apoptotic cell death. Molecular Brain Research, 2005, 139, 137-152.	2.5	65
66	Involvement of c-Abl Kinase in Microglial Activation of NLRP3 Inflammasome and Impairment in Autolysosomal System. Journal of NeuroImmune Pharmacology, 2017, 12, 624-660.	2.1	65
67	Suppression of caspase-3-dependent proteolytic activation of protein kinase CÎ´ by small interfering RNA prevents MPP+-induced dopaminergic degeneration. Molecular and Cellular Neurosciences, 2004, 25, 406-421.	1.0	64
68	Dopaminergic neurotoxicant 6-OHDA induces oxidative damage through proteolytic activation of PKCÎ´ in cell culture and animal models of Parkinson's disease. Toxicology and Applied Pharmacology, 2011, 256, 314-323.	1.3	64
69	Activation of protein kinase CÎ´ by proteolytic cleavage contributes to manganese-induced apoptosis in dopaminergic cells: protective role of Bcl-2. Biochemical Pharmacology, 2005, 69, 133-146.	2.0	63
70	A novel peptide inhibitor targeted to caspase-3 cleavage site of a proapoptotic kinase protein kinase C delta (PKCÎ´) protects against dopaminergic neuronal degeneration in Parkinsonâ€™s disease models. Free Radical Biology and Medicine, 2006, 41, 1578-1589.	1.3	63
71	Mixed-lineage kinase 3 phosphorylates prolyl-isomerase Pin1 to regulate its nuclear translocation and cellular function. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8149-8154.	3.3	62
72	Histone Hyperacetylation Up-regulates Protein Kinase CÎ´ in Dopaminergic Neurons to Induce Cell Death. Journal of Biological Chemistry, 2014, 289, 34743-34767.	1.6	62

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73	Microarray analysis of oxidative stress regulated genes in mesencephalic dopaminergic neuronal cells: Relevance to oxidative damage in Parkinson's disease. Neurochemistry International, 2007, 50, 834-847.	1.9	61
74	Role of oxidative stress in methamphetamine-induced dopaminergic toxicity mediated by protein kinase CÎ´. Behavioural Brain Research, 2012, 232, 98-113.	1.2	61
75	Environmental neurotoxic chemicals-induced ubiquitin proteasome system dysfunction in the pathogenesis and progression of Parkinson's disease. , 2007, 114, 327-344.		58
76	Environmental neurotoxin dieldrin induces apoptosis via caspase-3-dependent proteolytic activation of protein kinase C delta (PKCdelta): Implications for neurodegeneration in Parkinson's disease. Molecular Brain, 2008, 1, 12.	1.3	58
77	Status Epilepticus: Behavioral and Electroencephalography Seizure Correlates in Kainate Experimental Models. Frontiers in Neurology, 2018, 9, 7.	1.1	57
78	Alterations in mitochondrial dynamics induced by tebufenpyrad and pyridaben in a dopaminergic neuronal cell culture model. NeuroToxicology, 2016, 53, 302-313.	1.4	56
79	Effects of manganese on tyrosine hydroxylase (TH) activity and TH-phosphorylation in a dopaminergic neural cell line. Toxicology and Applied Pharmacology, 2011, 254, 65-71.	1.3	55
80	Acute hydrogen sulfideâ€“induced neuropathology and neurological sequelae: challenges for translational neuroprotective research. Annals of the New York Academy of Sciences, 2016, 1378, 5-16.	1.8	55
81	Nano-enabled delivery of diverse payloads across complex biological barriers. Journal of Controlled Release, 2015, 219, 548-559.	4.8	54
82	Thieno[3,2-b]- and Thieno[2,3-b]pyrrole Bioisosteric Analogues of the Hallucinogen and Serotonin Agonist N,N-Dimethyltryptamine. Journal of Medicinal Chemistry, 1999, 42, 1106-1111.	2.9	53
83	5-Hydroxytryptamine 1A Receptor Activation Protects againstN-Methyl-d-aspartate-Induced Apoptotic Cell Death in Striatal and Mesencephalic Cultures. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 913-923.	1.3	53
84	Alterations in bioenergetic function induced by Parkinsonâ€™s disease mimetic compounds: lack of correlation with superoxide generation. Journal of Neurochemistry, 2012, 122, 941-951.	2.1	52
85	N-Acetyl Cysteine Protects against Methamphetamine-Induced Dopaminergic Neurodegeneration via Modulation of Redox Status and Autophagy in Dopaminergic Cells. Parkinson's Disease, 2012, 2012, 1-11.	0.6	51
86	Emerging neurotoxic mechanisms in environmental factors-induced neurodegeneration. NeuroToxicology, 2012, 33, 833-837.	1.4	50
87	Role of the Fyn-PKCÎ´ signaling in SE-induced neuroinflammation and epileptogenesis in experimental models of temporal lobe epilepsy. Neurobiology of Disease, 2018, 110, 102-121.	2.1	50
88	Molecular Signatures of Neuroinflammation Induced by Î±Synuclein Aggregates in Microglial Cells. Frontiers in Immunology, 2020, 11, 33.	2.2	50
89	Kv1.3 modulates neuroinflammation and neurodegeneration in Parkinsonâ€™s disease. Journal of Clinical Investigation, 2020, 130, 4195-4212.	3.9	50
90	Dieldrin Promotes Proteolytic Cleavage of Poly(ADP-Ribose) Polymerase and Apoptosis in Dopaminergic Cells: Protective Effect of Mitochondrial Anti-Apoptotic Protein Bcl-2. NeuroToxicology, 2004, 25, 589-598.	1.4	49

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91	Copper-induced structural conversion templates prion protein oligomerization and neurotoxicity. Science Advances, 2016, 2, e1600014.	4.7	48
92	Proteasome inhibitorâ€induced apoptosis is mediated by positive feedback amplification of PKCÎ´ proteolytic activation and mitochondrial translocation. Journal of Cellular and Molecular Medicine, 2008, 12, 2467-2481.	1.6	47
93	Role of neurotoxicants and traumatic brain injury in Î±-synuclein protein misfolding and aggregation. Brain Research Bulletin, 2017, 133, 60-70.	1.4	47
94	Manganese Upregulates Cellular Prion Protein and Contributes to Altered Stabilization and Proteolysis: Relevance to Role of Metals in Pathogenesis of Prion Disease. Toxicological Sciences, 2010, 115, 535-546.	1.4	46
95	Exosomes in Toxicology: Relevance to Chemical Exposure and Pathogenesis of Environmentally Linked Diseases. Toxicological Sciences, 2017, 158, 3-13.	1.4	46
96	Chronic Lowâ€Dose Oxidative Stress Induces Caspaseâ€3â€Dependent PKCÎ´ Proteolytic Activation and Apoptosis in a Cell Culture Model of Dopaminergic Neurodegeneration. Annals of the New York Academy of Sciences, 2008, 1139, 197-205.	1.8	45
97	A novel mitochondrially-targeted apocynin derivative prevents hyposmia and loss of motor function in the leucine-rich repeat kinase 2 (LRRK2R1441G) transgenic mouse model of Parkinson's disease. Neuroscience Letters, 2014, 583, 159-164.	1.0	45
98	Experimental Transmission of the Chronic Wasting Disease Agent to Swine after Oral or Intracranial Inoculation. Journal of Virology, 2017, 91, .	1.5	43
99	Novel cell death signaling pathways in neurotoxicity models of dopaminergic degeneration: Relevance to oxidative stress and neuroinflammation in Parkinson's disease. NeuroToxicology, 2010, 31, 555-561.	1.4	41
100	Accelerated accumulation of retinal Î±-synuclein (pSer129) and tau, neuroinflammation, and autophagic dysregulation in a seeded mouse model of Parkinson's disease. Neurobiology of Disease, 2019, 121, 1-16.	2.1	41
101	Vanadium exposure induces olfactory dysfunction in an animal model of metal neurotoxicity. NeuroToxicology, 2014, 43, 73-81.	1.4	40
102	Manganese exposure exacerbates progressive motor deficits and neurodegeneration in the MitoPark mouse model of Parkinsonâ€™s disease: Relevance to gene and environment interactions in metal neurotoxicity. NeuroToxicology, 2018, 64, 240-255.	1.4	38
103	Transcriptional Regulation of Pro-apoptotic Protein Kinase CÎ´. Journal of Biological Chemistry, 2011, 286, 19840-19859.	1.6	37
104	Neuroprotective Effect of Resveratrol Against Methamphetamine-Induced Dopaminergic Apoptotic Cell Death in a Cell Culture Model of Neurotoxicity. Current Neuropharmacology, 2011, 9, 49-53.	1.4	37
105	Cholecystokinin and Alzheimer's disease: a biomarker of metabolic function, neural integrity, and cognitive performance. Neurobiology of Aging, 2019, 76, 201-207.	1.5	37
106	Opposing roles of prion protein in oxidative stress- and ER stress-induced apoptotic signaling. Free Radical Biology and Medicine, 2008, 45, 1530-1541.	1.3	36
107	PKCÎ´ inhibition enhances tyrosine hydroxylase phosphorylation in mice after methamphetamine treatment. Neurochemistry International, 2011, 59, 39-50.	1.9	36
108	Temporal Resolution of Misfolded Prion Protein Transport, Accumulation, Glial Activation, and Neuronal Death in the Retinas of Mice Inoculated with Scrapie. American Journal of Pathology, 2016, 186, 2302-2309.	1.9	36

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109	Environmental neurotoxic pesticide dieldrin activates a non receptor tyrosine kinase to promote pkcÎ´-mediated dopaminergic apoptosis in a dopaminergic neuronal cell model. NeuroToxicology, 2011, 32, 567-577.	1.4	35
110	Diapocynin prevents early Parkinson's disease symptoms in the leucine-rich repeat kinase 2 (LRRK2R1441G) transgenic mouse. Neuroscience Letters, 2013, 549, 57-62.	1.0	35
111	Reactive oxygen species generated by cyanide mediate toxicity in rat pheochromocytoma cells. Toxicology Letters, 1997, 93, 47-54.	0.4	34
112	Proteolytic Activation of Proapoptotic Kinase PKCÎ´ Is Regulated by Overexpression of Bcl-2. Annals of the New York Academy of Sciences, 2003, 1010, 683-686.	1.8	34
113	Mechanistic Interplay Between Autophagy and Apoptotic Signaling in Endosulfan-Induced Dopaminergic Neurotoxicity: Relevance to the Adverse Outcome Pathway in Pesticide Neurotoxicity. Toxicological Sciences, 2019, 169, 333-352.	1.4	34
114	Loss of the dystonia gene<i>Thap1</i>leads to transcriptional deficits that converge on common pathogenic pathways in dystonic syndromes. Human Molecular Genetics, 2019, 28, 1343-1356.	1.4	33
115	Role of protein kinase C in metabolic regulation of the cardiac Na+ channel. Heart Rhythm, 2017, 14, 440-447.	0.3	32
116	Curcumin enhances paraquat-induced apoptosis of N27 mesencephalic cells via the generation of reactive oxygen species. NeuroToxicology, 2009, 30, 1008-1018.	1.4	30
117	Characterizing a mouse model for evaluation of countermeasures against hydrogen sulfideâ€“induced neurotoxicity and neurological sequelae. Annals of the New York Academy of Sciences, 2017, 1400, 46-64.	1.8	30
118	HMGB1-RAGE Signaling Plays a Role in Organic Dust-Induced Microglial Activation and Neuroinflammation. Toxicological Sciences, 2019, 169, 579-592.	1.4	30
119	Activation of Protein Kinase C by Trimethyltin: Relevance to Neurotoxicity. Journal of Neurochemistry, 1995, 65, 2338-2343.	2.1	29
120	MitoPark transgenic mouse model recapitulates the gastrointestinal dysfunction and gut-microbiome changes of Parkinsonâ€™s disease. NeuroToxicology, 2019, 75, 186-199.	1.4	29
121	Calcium mediation of cyanide-induced catecholamine release: Implications for neurotoxicity. Toxicology and Applied Pharmacology, 1991, 110, 275-282.	1.3	28
122	Mixed Lineage Kinase-c-Jun N-Terminal Kinase Axis: A Potential Therapeutic Target in Cancer. Genes and Cancer, 2013, 4, 334-341.	0.6	28
123	Environmental neurotoxicant-induced dopaminergic neurodegeneration: a potential link to impaired neuroinflammatory mechanisms. , 2019, 197, 61-82.		28
124	Protein kinase D1 (PKD1) activation mediates a compensatory protective response during early stages of oxidative stress-induced neuronal degeneration. Molecular Neurodegeneration, 2011, 6, 43.	4.4	27
125	Lasting Retinal Injury in a Mouse Model of Blast-Induced Trauma. American Journal of Pathology, 2017, 187, 1459-1472.	1.9	27
126	Effect of divalent metals on the neuronal proteasomal system, prion protein ubiquitination and aggregation. Toxicology Letters, 2012, 214, 288-295.	0.4	26

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127	Role of proteolytic activation of protein kinase CÎ´ in the pathogenesis of prion disease. Prion, 2014, 8, 143-153.	0.9	26
128	Antagonism of cyanide toxicity by isosorbide dinitrate: possible role of nitric oxide. Toxicology, 1995, 104, 105-111.	2.0	25
129	Mitochondrial accumulation of polyubiquitinated proteins and differential regulation of apoptosis by polyubiquitination sites Lysâ€48 and â€63. Journal of Cellular and Molecular Medicine, 2009, 13, 1632-1643.	1.6	25
130	EGCG Protects against 6-OHDA-Induced Neurotoxicity in a Cell Culture Model. Parkinson's Disease, 2015, 2015, 1-10.	0.6	25
131	Integrated Organotypic Slice Cultures and RT-QuIC (OSCAR) Assay: Implications for Translational Discovery in Protein Misfolding Diseases. Scientific Reports, 2017, 7, 43155.	1.6	25
132	Characterization and comparative analysis of a new mouse microglial cell model for studying neuroinflammatory mechanisms during neurotoxic insults. NeuroToxicology, 2018, 67, 129-140.	1.4	25
133	Accumulation of Labeled Cyanide in Neuronal Tissue. Toxicology and Applied Pharmacology, 1994, 129, 80-85.	1.3	24
134	Attenuation of 3,4-methylenedioxymethamphetamine (MDMA) induced neurotoxicity with the serotonin precursors tryptophan and 5-hydroxytryptophan. Life Sciences, 1994, 55, 1193-1198.	2.0	24
135	Blockade of PKCÂ Proteolytic Activation by Loss of Function Mutants Rescues Mesencephalic Dopaminergic Neurons from Methylcyclopentadienyl Manganese Tricarbonyl (MMT)-Induced Apoptotic Cell Death. Annals of the New York Academy of Sciences, 2004, 1035, 271-289.	1.8	24
136	Phytic Acid Protects against 6-Hydroxydopamine-Induced Dopaminergic Neuron Apoptosis in Normal and Iron Excess Conditions in a Cell Culture Model. Parkinson's Disease, 2011, 2011, 1-6.	0.6	24
137	Molecular cloning, epigenetic regulation, and functional characterization of <i>Prkd1</i> gene promoter in dopaminergic cell culture models of Parkinson's disease. Journal of Neurochemistry, 2015, 135, 402-415.	2.1	24
138	Stereoselective LSD-like Activity in a Series of d-Lysergic Acid Amides of (R)- and (S)-2-Aminoalkanes. Journal of Medicinal Chemistry, 1995, 38, 958-966.	2.9	23
139	Neuroprotective effects of the strychnine-insensitive glycine site NMDA antagonist (R)-HA-966 in an experimental model of Parkinson's disease. Brain Research, 1997, 759, 1-8.	1.1	23
140	Transcranial magnetic stimulation of mouse brain using high-resolution anatomical models. Journal of Applied Physics, 2014, 115, .	1.1	23
141	Excitoprotective effect of felbamate in cultured cortical neurons. Brain Research, 1995, 705, 97-104.	1.1	22
142	Synthesis and Serotonin Receptor Affinities of a Series oftrans-2-(Indol-3-yl)cyclopropylamine Derivatives. Journal of Medicinal Chemistry, 1998, 41, 4995-5001.	2.9	22
143	Protein Kinase D1 (PKD1) Phosphorylation Promotes Dopaminergic Neuronal Survival during 6-OHDA-Induced Oxidative Stress. PLoS ONE, 2014, 9, e96947.	1.1	22
144	Identification of chronic brain protein changes and protein targets of serum auto-antibodies after blast-mediated traumatic brain injury. Heliyon, 2020, 6, e03374.	1.4	21

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145	Novel NMDA/glycine site antagonists attenuate cocaine-induced behavioral toxicity. European Journal of Pharmacology, 1997, 338, 233-242.	1.7	20
146	Quercetin. , 2016, , 447-452.		20
147	Ante-mortem detection of chronic wasting disease in recto-anal mucosa-associated lymphoid tissues from elk (<i>Cervus elaphus nelsoni</i>) using real-time quaking-induced conversion (RT-QuIC) assay: A blinded collaborative study. Prion, 2017, 11, 415-430.	0.9	20
148	Enhanced differentiation of human dopaminergic neuronal cell model for preclinical translational research in Parkinson's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165533.	1.8	20
149	Animal model of posthypoxic myoclonus: II. Neurochemical, pathologic, and pharmacologic characterization. Movement Disorders, 2000, 15, 31-38.	2.2	19
150	p73 gene in dopaminergic neurons is highly susceptible to manganese neurotoxicity. NeuroToxicology, 2017, 59, 231-239.	1.4	19
151	Rapid and Refined CD11b Magnetic Isolation of Primary Microglia with Enhanced Purity and Versatility. Journal of Visualized Experiments, 2017, , .	0.2	19
152	Cobinamide is effective for treatment of hydrogen sulfideâ€"induced neurological sequelae in a mouse model. Annals of the New York Academy of Sciences, 2017, 1408, 61-78.	1.8	19
153	Biodegradable polyanhydrideâ€based nanomedicines for blood to brain drug delivery. Journal of Biomedical Materials Research - Part A, 2018, 106, 2881-2890.	2.1	19
154	Emerging Roles of N6-Methyladenosine (m6A) Epitranscriptomics in Toxicology. Toxicological Sciences, 2021, 181, 13-22.	1.4	19
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