

Anumantha G Kanthasamy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

210 papers	15,716 citations	56 h-index	121 g-index
220 ext. papers	18,018 ext. citations	5.6 avg, IF	6.26 L-index

#	Paper	IF	Citations
210	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
209	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
208	Inflammasome inhibition prevents β -synuclein pathology and dopaminergic neurodegeneration in mice. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	286
207	Gut microbiome in health and disease: Linking the microbiome-gut-brain axis and environmental factors in the pathogenesis of systemic and neurodegenerative diseases. <i>Pharmacology & Therapeutics</i> , 2016 , 158, 52-62	13.9	265
206	Mechanism of intranasal drug delivery directly to the brain. <i>Life Sciences</i> , 2018 , 195, 44-52	6.8	232
205	NMDA receptor activation produces concurrent generation of nitric oxide and reactive oxygen species: implication for cell death. <i>Journal of Neurochemistry</i> , 1995 , 65, 2016-21	6	226
204	Mitochondria-targeted antioxidants for treatment of Parkinson's disease: preclinical and clinical outcomes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1282-94	6.9	215
203	Caspase-3-dependent proteolytic cleavage of protein kinase Cdelta is essential for oxidative stress-mediated dopaminergic cell death after exposure to methylcyclopentadienyl manganese tricarbonyl. <i>Journal of Neuroscience</i> , 2002 , 22, 1738-51	6.6	199
202	Environmental neurotoxic pesticide increases histone acetylation to promote apoptosis in dopaminergic neuronal cells: relevance to epigenetic mechanisms of neurodegeneration. <i>Molecular Pharmacology</i> , 2010 , 77, 621-32	4.3	153
201	Caspase-3 dependent proteolytic activation of protein kinase C delta mediates and regulates 1-methyl-4-phenylpyridinium (MPP+)-induced apoptotic cell death in dopaminergic cells: relevance to oxidative stress in dopaminergic degeneration. <i>European Journal of Neuroscience</i> , 2003 , 18, 1387-401	3.5	147
200	Dieldrin-induced oxidative stress and neurochemical changes contribute to apoptotic cell death in dopaminergic cells. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1473-85	7.8	145
199	Dieldrin-induced neurotoxicity: relevance to Parkinson's disease pathogenesis. <i>NeuroToxicology</i> , 2005 , 26, 701-19	4.4	141
198	Dieldrin induces apoptosis by promoting caspase-3-dependent proteolytic cleavage of protein kinase Cdelta in dopaminergic cells: relevance to oxidative stress and dopaminergic degeneration. <i>Neuroscience</i> , 2003 , 119, 945-64	3.9	138
197	Protein kinase Cdelta is a key downstream mediator of manganese-induced apoptosis in dopaminergic neuronal cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 313, 46-55	4.7	133
196	Neuroprotection by a mitochondria-targeted drug in a Parkinson's disease model. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 1674-84	7.8	132
195	Mitochondrial impairment in microglia amplifies NLRP3 inflammasome proinflammatory signaling in cell culture and animal models of Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2017 , 3, 30	9.7	122
194	Role of proteolytic activation of protein kinase Cdelta in oxidative stress-induced apoptosis. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 609-20	8.4	116

193	Neuroprotective effect of protein kinase C delta inhibitor rottlerin in cell culture and animal models of Parkinson's disease. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 913-22	4.7	114
192	Neurotoxicity of pesticides. <i>Acta Neuropathologica</i> , 2019 , 138, 343-362	14.3	112
191	βSynuclein negatively regulates protein kinase C expression to suppress apoptosis in dopaminergic neurons by reducing p300 histone acetyltransferase activity. <i>Journal of Neuroscience</i> , 2011 , 31, 2035-51	6.6	108
190	Manganese nanoparticle activates mitochondrial dependent apoptotic signaling and autophagy in dopaminergic neuronal cells. <i>Toxicology and Applied Pharmacology</i> , 2011 , 256, 227-40	4.6	101
189	Fyn Kinase Regulates Microglial Neuroinflammatory Responses in Cell Culture and Animal Models of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2015 , 35, 10058-77	6.6	100
188	Pharmacological inhibition of neuronal NADPH oxidase protects against 1-methyl-4-phenylpyridinium (MPP+)-induced oxidative stress and apoptosis in mesencephalic dopaminergic neuronal cells. <i>NeuroToxicology</i> , 2007 , 28, 988-97	4.4	99
187	Neuroprotective effect of the natural iron chelator, phytic acid in a cell culture model of Parkinson's disease. <i>Toxicology</i> , 2008 , 245, 101-8	4.4	93
186	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. <i>Journal of Neurochemistry</i> , 2017 , 141, 766-782	6	86
185	Fyn kinase regulates misfolded βsynuclein uptake and NLRP3 inflammasome activation in microglia. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1411-1430	16.6	85
184	Paraquat induces epigenetic changes by promoting histone acetylation in cell culture models of dopaminergic degeneration. <i>NeuroToxicology</i> , 2011 , 32, 586-95	4.4	85
183	Vanadium induces dopaminergic neurotoxicity via protein kinase Cdelta dependent oxidative signaling mechanisms: relevance to etiopathogenesis of Parkinson's disease. <i>Toxicology and Applied Pharmacology</i> , 2009 , 240, 273-85	4.6	84
182	Proteasome inhibitor MG-132 induces dopaminergic degeneration in cell culture and animal models. <i>NeuroToxicology</i> , 2006 , 27, 807-15	4.4	84
181	Protein kinase C delta negatively regulates tyrosine hydroxylase activity and dopamine synthesis by enhancing protein phosphatase-2A activity in dopaminergic neurons. <i>Journal of Neuroscience</i> , 2007 , 27, 5349-62	6.6	82
180	Tyrosine phosphorylation regulates the proteolytic activation of protein kinase Cdelta in dopaminergic neuronal cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28721-30	5.4	82
179	Monitoring intracellular nitric oxide formation by dichlorofluorescein in neuronal cells. <i>Journal of Neuroscience Methods</i> , 1995 , 61, 15-21	3	81
178	DNA aptamers that bind to PrP(C) and not PrP(Sc) show sequence and structure specificity. <i>Experimental Biology and Medicine</i> , 2006 , 231, 204-14	3.7	80
177	Nanoneuromedicines for degenerative, inflammatory, and infectious nervous system diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 751-67	6	79
176	Manganese-Induced Neurotoxicity: New Insights Into the Triad of Protein Misfolding, Mitochondrial Impairment, and Neuroinflammation. <i>Frontiers in Neuroscience</i> , 2019 , 13, 654	5.1	79

175	Anti-inflammatory and neuroprotective effects of an orally active apocynin derivative in pre-clinical models of Parkinson's disease. <i>Journal of Neuroinflammation</i> , 2012 , 9, 241	10.1	79
174	Manganese promotes the aggregation and prion-like cell-to-cell exosomal transmission of β -synuclein. <i>Science Signaling</i> , 2019 , 12,	8.8	78
173	Mito-Apocynin Prevents Mitochondrial Dysfunction, Microglial Activation, Oxidative Damage, and Progressive Neurodegeneration in MitoPark Transgenic Mice. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 1048-1066	8.4	77
172	Oxidative stress and mitochondrial-mediated apoptosis in dopaminergic cells exposed to methylcyclopentadienyl manganese tricarbonyl. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 302, 26-35	4.7	75
171	Dieldrin induces ubiquitin-proteasome dysfunction in alpha-synuclein overexpressing dopaminergic neuronal cells and enhances susceptibility to apoptotic cell death. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 315, 69-79	4.7	73
170	A simple magnetic separation method for high-yield isolation of pure primary microglia. <i>Journal of Neuroscience Methods</i> , 2011 , 194, 287-96	3	72
169	β -Synuclein protects against manganese neurotoxic insult during the early stages of exposure in a dopaminergic cell model of Parkinson's disease. <i>Toxicological Sciences</i> , 2015 , 143, 454-68	4.4	71
168	Epigallocatechin Gallate Has a Neurorescue Effect in a Mouse Model of Parkinson Disease. <i>Journal of Nutrition</i> , 2017 , 147, 1926-1931	4.1	71
167	Manganese exposure induces neuroinflammation by impairing mitochondrial dynamics in astrocytes. <i>NeuroToxicology</i> , 2018 , 64, 204-218	4.4	70
166	Interaction of metals with prion protein: possible role of divalent cations in the pathogenesis of prion diseases. <i>NeuroToxicology</i> , 2006 , 27, 777-87	4.4	70
165	Mitoapocynin Treatment Protects Against Neuroinflammation and Dopaminergic Neurodegeneration in a Preclinical Animal Model of Parkinson's Disease. <i>Journal of NeuroImmune Pharmacology</i> , 2016 , 11, 259-78	6.9	68
164	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. <i>Neuroscience</i> , 2012 , 210, 308-32	3.9	67
163	Normal cellular prion protein protects against manganese-induced oxidative stress and apoptotic cell death. <i>Toxicological Sciences</i> , 2007 , 98, 495-509	4.4	67
162	Blood lipid and oxidative stress responses to soy protein with isoflavones and phytic acid in postmenopausal women. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 590-6	7	64
161	Protein kinase C α upregulation in microglia drives neuroinflammatory responses and dopaminergic neurodegeneration in experimental models of Parkinson's disease. <i>Neurobiology of Disease</i> , 2016 , 93, 96-114	7.5	61
160	Methamphetamine induces autophagy and apoptosis in a mesencephalic dopaminergic neuronal culture model: role of cathepsin-D in methamphetamine-induced apoptotic cell death. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1074, 234-44	6.5	61
159	Dopaminergic neurotoxicity of cyanide: neurochemical, histological, and behavioral characterization. <i>Toxicology and Applied Pharmacology</i> , 1994 , 126, 156-63	4.6	60
158	Suppression of caspase-3-dependent proteolytic activation of protein kinase C delta by small interfering RNA prevents MPP ⁺ -induced dopaminergic degeneration. <i>Molecular and Cellular Neurosciences</i> , 2004 , 25, 406-21	4.8	59

157	Activation of protein kinase C delta by proteolytic cleavage contributes to manganese-induced apoptosis in dopaminergic cells: protective role of Bcl-2. <i>Biochemical Pharmacology</i> , 2005 , 69, 133-46	6	59
156	Neuronal protection against oxidative insult by polyanhydride nanoparticle-based mitochondria-targeted antioxidant therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 809-820	6	58
155	Wild-type alpha-synuclein interacts with pro-apoptotic proteins PKCdelta and BAD to protect dopaminergic neuronal cells against MPP+-induced apoptotic cell death. <i>Molecular Brain Research</i> , 2005 , 139, 137-52		56
154	Role of oxidative stress in methamphetamine-induced dopaminergic toxicity mediated by protein kinase C. <i>Behavioural Brain Research</i> , 2012 , 232, 98-113	3-4	55
153	Microarray analysis of oxidative stress regulated genes in mesencephalic dopaminergic neuronal cells: relevance to oxidative damage in Parkinson's disease. <i>Neurochemistry International</i> , 2007 , 50, 834-47	4-7	55
152	Prokineticin-2 promotes chemotaxis and alternative A2 reactivity of astrocytes. <i>Glia</i> , 2018 , 66, 2137-2153		55
151	A novel peptide inhibitor targeted to caspase-3 cleavage site of a proapoptotic kinase protein kinase C delta (PKCdelta) protects against dopaminergic neuronal degeneration in Parkinson's disease models. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 1578-89	7.8	54
150	The peptidyl-prolyl isomerase Pin1 up-regulation and proapoptotic function in dopaminergic neurons: relevance to the pathogenesis of Parkinson disease. <i>Journal of Biological Chemistry</i> , 2013 , 288, 21955-71	5-4	52
149	Environmental neurotoxicant manganese regulates exosome-mediated extracellular miRNAs in cell culture model of Parkinson's disease: Relevance to α -synuclein misfolding in metal neurotoxicity. <i>NeuroToxicology</i> , 2018 , 64, 267-277	4-4	51
148	Proteolytic activation of proapoptotic kinase protein kinase C by tumor necrosis factor α death receptor signaling in dopaminergic neurons during neuroinflammation. <i>Journal of Neuroinflammation</i> , 2012 , 9, 82	10-1	51
147	Dopaminergic neurotoxicant 6-OHDA induces oxidative damage through proteolytic activation of PKC in cell culture and animal models of Parkinson's disease. <i>Toxicology and Applied Pharmacology</i> , 2011 , 256, 314-23	4-6	51
146	Mixed-lineage kinase 3 phosphorylates prolyl-isomerase Pin1 to regulate its nuclear translocation and cellular function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8149-54	11-5	51
145	Environmental neurotoxin diieldrin induces apoptosis via caspase-3-dependent proteolytic activation of protein kinase C delta (PKCdelta): Implications for neurodegeneration in Parkinson's disease. <i>Molecular Brain</i> , 2008 , 1, 12	4-5	51
144	Manganese activates NLRP3 inflammasome signaling and propagates exosomal release of ASC in microglial cells. <i>Science Signaling</i> , 2019 , 12,	8.8	51
143	Involvement of c-Abl Kinase in Microglial Activation of NLRP3 Inflammasome and Impairment in Autolysosomal System. <i>Journal of NeuroImmune Pharmacology</i> , 2017 , 12, 624-660	6-9	50
142	Effects of manganese on tyrosine hydroxylase (TH) activity and TH-phosphorylation in a dopaminergic neural cell line. <i>Toxicology and Applied Pharmacology</i> , 2011 , 254, 65-71	4-6	50
141	Thieno[3,2-b]- and thieno[2,3-b]pyrrole bioisosteric analogues of the hallucinogen and serotonin agonist N,N-dimethyltryptamine. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 1106-11	8-3	50
140	Histone hyperacetylation up-regulates protein kinase C in dopaminergic neurons to induce cell death: relevance to epigenetic mechanisms of neurodegeneration in Parkinson disease. <i>Journal of Biological Chemistry</i> , 2014 , 289, 34743-67	5-4	49

139	Alterations in bioenergetic function induced by Parkinson's disease mimetic compounds: lack of correlation with superoxide generation. <i>Journal of Neurochemistry</i> , 2012 , 122, 941-51	6	49
138	Environmental neurotoxic chemicals-induced ubiquitin proteasome system dysfunction in the pathogenesis and progression of Parkinson's disease. <i>Pharmacology & Therapeutics</i> , 2007 , 114, 327-44	13.9	49
137	Prokineticin-2 upregulation during neuronal injury mediates a compensatory protective response against dopaminergic neuronal degeneration. <i>Nature Communications</i> , 2016 , 7, 12932	17.4	48
136	Organophosphate pesticide chlorpyrifos impairs STAT1 signaling to induce dopaminergic neurotoxicity: Implications for mitochondria mediated oxidative stress signaling events. <i>Neurobiology of Disease</i> , 2018 , 117, 82-113	7.5	47
135	N-Acetyl Cysteine Protects against Methamphetamine-Induced Dopaminergic Neurodegeneration via Modulation of Redox Status and Autophagy in Dopaminergic Cells. <i>Parkinsons Disease</i> , 2012 , 2012, 424285	2.6	47
134	5-hydroxytryptamine 1A receptor activation protects against N-methyl-D-aspartate-induced apoptotic cell death in striatal and mesencephalic cultures. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 304, 913-23	4.7	47
133	Emerging neurotoxic mechanisms in environmental factors-induced neurodegeneration. <i>NeuroToxicology</i> , 2012 , 33, 833-7	4.4	44
132	Proteasome inhibitor-induced apoptosis is mediated by positive feedback amplification of PKCdelta proteolytic activation and mitochondrial translocation. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 2467-81	5.6	44
131	Dieldrin promotes proteolytic cleavage of poly(ADP-ribose) polymerase and apoptosis in dopaminergic cells: protective effect of mitochondrial anti-apoptotic protein Bcl-2. <i>NeuroToxicology</i> , 2004 , 25, 589-98	4.4	44
130	βSynuclein real-time quaking-induced conversion in the submandibular glands of Parkinson's disease patients. <i>Movement Disorders</i> , 2020 , 35, 268-278	7	43
129	Copper-induced structural conversion templates prion protein oligomerization and neurotoxicity. <i>Science Advances</i> , 2016 , 2, e1600014	14.3	42
128	Nano-enabled delivery of diverse payloads across complex biological barriers. <i>Journal of Controlled Release</i> , 2015 , 219, 548-559	11.7	41
127	Chronic low-dose oxidative stress induces caspase-3-dependent PKCdelta proteolytic activation and apoptosis in a cell culture model of dopaminergic neurodegeneration. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1139, 197-205	6.5	41
126	Ultrasensitive Detection of Aggregated βSynuclein in Glial Cells, Human Cerebrospinal Fluid, and Brain Tissue Using the RT-QuIC Assay: New High-Throughput Neuroimmune Biomarker Assay for Parkinsonian Disorders. <i>Journal of NeuroImmune Pharmacology</i> , 2019 , 14, 423-435	6.9	40
125	Alterations in mitochondrial dynamics induced by tebufenpyrad and pyridaben in a dopaminergic neuronal cell culture model. <i>NeuroToxicology</i> , 2016 , 53, 302-313	4.4	40
124	The Gut-Brain Axis in Neurodegenerative Diseases and Relevance of the Canine Model: A Review. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 130	5.3	39
123	Blinded RT-QuIC Analysis of βSynuclein Biomarker in Skin Tissue From Parkinson's Disease Patients. <i>Movement Disorders</i> , 2020 , 35, 2230-2239	7	37
122	Manganese upregulates cellular prion protein and contributes to altered stabilization and proteolysis: relevance to role of metals in pathogenesis of prion disease. <i>Toxicological Sciences</i> , 2010 , 115, 535-46	4.4	36

121	Transcriptional regulation of pro-apoptotic protein kinase Cdelta: implications for oxidative stress-induced neuronal cell death. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19840-59	5.4	35
120	A novel mitochondrially-targeted apocynin derivative prevents hyposmia and loss of motor function in the leucine-rich repeat kinase 2 (LRRK2(R1441G)) transgenic mouse model of Parkinson's disease. <i>Neuroscience Letters</i> , 2014 , 583, 159-64	3.3	34
119	Opposing roles of prion protein in oxidative stress- and ER stress-induced apoptotic signaling. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1530-41	7.8	34
118	Acute hydrogen sulfide-induced neuropathology and neurological sequelae: challenges for translational neuroprotective research. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1378, 5-16	6.5	34
117	PKC η inhibition enhances tyrosine hydroxylase phosphorylation in mice after methamphetamine treatment. <i>Neurochemistry International</i> , 2011 , 59, 39-50	4.4	33
116	Novel cell death signaling pathways in neurotoxicity models of dopaminergic degeneration: relevance to oxidative stress and neuroinflammation in Parkinson's disease. <i>NeuroToxicology</i> , 2010 , 31, 555-61	4.4	33
115	Neuroprotective effect of resveratrol against methamphetamine-induced dopaminergic apoptotic cell death in a cell culture model of neurotoxicity. <i>Current Neuropharmacology</i> , 2011 , 9, 49-53	7.6	33
114	Reactive oxygen species generated by cyanide mediate toxicity in rat pheochromocytoma cells. <i>Toxicology Letters</i> , 1997 , 93, 47-54	4.4	32
113	Exosomes in Toxicology: Relevance to Chemical Exposure and Pathogenesis of Environmentally Linked Diseases. <i>Toxicological Sciences</i> , 2017 , 158, 3-13	4.4	31
112	Role of neurotoxins and traumatic brain injury in β -synuclein protein misfolding and aggregation. <i>Brain Research Bulletin</i> , 2017 , 133, 60-70	3.9	31
111	Experimental Transmission of the Chronic Wasting Disease Agent to Swine after Oral or Intracranial Inoculation. <i>Journal of Virology</i> , 2017 , 91,	6.6	31
110	Molecular Signatures of Neuroinflammation Induced by β -synuclein Aggregates in Microglial Cells. <i>Frontiers in Immunology</i> , 2020 , 11, 33	8.4	31
109	Status Epilepticus: Behavioral and Electroencephalography Seizure Correlates in Kainate Experimental Models. <i>Frontiers in Neurology</i> , 2018 , 9, 7	4.1	31
108	Temporal Resolution of Misfolded Prion Protein Transport, Accumulation, Glial Activation, and Neuronal Death in the Retinas of Mice Inoculated with Scrapie. <i>American Journal of Pathology</i> , 2016 , 186, 2302-9	5.8	31
107	Diapocynin prevents early Parkinson's disease symptoms in the leucine-rich repeat kinase 2 (LRRK2(R1441G)) transgenic mouse. <i>Neuroscience Letters</i> , 2013 , 549, 57-62	3.3	30
106	Environmental neurotoxic pesticide dieldrin activates a non receptor tyrosine kinase to promote PKC ϵ -mediated dopaminergic apoptosis in a dopaminergic neuronal cell model. <i>NeuroToxicology</i> , 2011 , 32, 567-77	4.4	29
105	Proteolytic activation of proapoptotic kinase PKCdelta is regulated by overexpression of Bcl-2: implications for oxidative stress and environmental factors in Parkinson's disease. <i>Annals of the New York Academy of Sciences</i> , 2003 , 1010, 683-6	6.5	29
104	Vanadium exposure induces olfactory dysfunction in an animal model of metal neurotoxicity. <i>NeuroToxicology</i> , 2014 , 43, 73-81	4.4	28

103	Manganese exposure exacerbates progressive motor deficits and neurodegeneration in the MitoPark mouse model of Parkinson's disease: Relevance to gene and environment interactions in metal neurotoxicity. <i>NeuroToxicology</i> , 2018 , 64, 240-255	4.4	27
102	Activation of protein kinase C by trimethyltin: relevance to neurotoxicity. <i>Journal of Neurochemistry</i> , 1995 , 65, 2338-43	6	27
101	Curcumin enhances paraquat-induced apoptosis of N27 mesencephalic cells via the generation of reactive oxygen species. <i>NeuroToxicology</i> , 2009 , 30, 1008-18	4.4	26
100	Kv1.3 modulates neuroinflammation and neurodegeneration in Parkinson's disease. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4195-4212	15.9	26
99	Role of the Fyn-PKC β signaling in SE-induced neuroinflammation and epileptogenesis in experimental models of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2018 , 110, 102-121	7.5	26
98	Integrated Organotypic Slice Cultures and RT-QuIC (OSCAR) Assay: Implications for Translational Discovery in Protein Misfolding Diseases. <i>Scientific Reports</i> , 2017 , 7, 43155	4.9	24
97	Role of proteolytic activation of protein kinase C α in the pathogenesis of prion disease. <i>Prion</i> , 2014 , 8, 143-53	2.3	24
96	Effect of divalent metals on the neuronal proteasomal system, prion protein ubiquitination and aggregation. <i>Toxicology Letters</i> , 2012 , 214, 288-95	4.4	23
95	Mixed Lineage Kinase-c-Jun N-Terminal Kinase Axis: A Potential Therapeutic Target in Cancer. <i>Genes and Cancer</i> , 2013 , 4, 334-41	2.9	23
94	Mitochondrial accumulation of polyubiquitinated proteins and differential regulation of apoptosis by polyubiquitination sites Lys-48 and -63. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 1632-1643	5.6	23
93	Accumulation of labeled cyanide in neuronal tissue. <i>Toxicology and Applied Pharmacology</i> , 1994 , 129, 80-5	4.6	23
92	Calcium mediation of cyanide-induced catecholamine release: implications for neurotoxicity. <i>Toxicology and Applied Pharmacology</i> , 1991 , 110, 275-82	4.6	23
91	Accelerated accumulation of retinal β -synuclein (pSer129) and tau, neuroinflammation, and autophagic dysregulation in a seeded mouse model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2019 , 121, 1-16	7.5	23
90	Role of protein kinase C in metabolic regulation of the cardiac Na channel. <i>Heart Rhythm</i> , 2017 , 14, 440-447	4.7	22
89	HMGB1-RAGE Signaling Plays a Role in Organic Dust-Induced Microglial Activation and Neuroinflammation. <i>Toxicological Sciences</i> , 2019 , 169, 579-592	4.4	22
88	Mechanistic Interplay Between Autophagy and Apoptotic Signaling in Endosulfan-Induced Dopaminergic Neurotoxicity: Relevance to the Adverse Outcome Pathway in Pesticide Neurotoxicity. <i>Toxicological Sciences</i> , 2019 , 169, 333-352	4.4	22
87	Blockade of PKC δ proteolytic activation by loss of function mutants rescues mesencephalic dopaminergic neurons from methylcyclopentadienyl manganese tricarbonyl (MMT)-induced apoptotic cell death. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1035, 271-89	6.5	22
86	EGCG Protects against 6-OHDA-Induced Neurotoxicity in a Cell Culture Model. <i>Parkinsons Disease</i> , 2015 , 2015, 843906	2.6	21

85	Neuroprotective effects of the strychnine-insensitive glycine site NMDA antagonist (R)-HA-966 in an experimental model of Parkinson's disease. <i>Brain Research</i> , 1997 , 759, 1-8	3.7	21
84	Synthesis and serotonin receptor affinities of a series of trans-2-(indol-3-yl)cyclopropylamine derivatives. <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 4995-5001	8.3	21
83	Antagonism of cyanide toxicity by isosorbide dinitrate: possible role of nitric oxide. <i>Toxicology</i> , 1995 , 104, 105-11	4.4	21
82	Stereoselective LSD-like activity in a series of d-lysergic acid amides of (R)- and (S)-2-aminoalkanes. <i>Journal of Medicinal Chemistry</i> , 1995 , 38, 958-66	8.3	21
81	Lasting Retinal Injury in a Mouse Model of Blast-Induced Trauma. <i>American Journal of Pathology</i> , 2017 , 187, 1459-1472	5.8	20
80	Protein kinase D1 (PKD1) phosphorylation promotes dopaminergic neuronal survival during 6-OHDA-induced oxidative stress. <i>PLoS ONE</i> , 2014 , 9, e96947	3.7	20
79	Protein kinase D1 (PKD1) activation mediates a compensatory protective response during early stages of oxidative stress-induced neuronal degeneration. <i>Molecular Neurodegeneration</i> , 2011 , 6, 43	19	20
78	Characterizing a mouse model for evaluation of countermeasures against hydrogen sulfide-induced neurotoxicity and neurological sequelae. <i>Annals of the New York Academy of Sciences</i> , 2017 , 1400, 46-64	6.5	19
77	Excitoprotective effect of felbamate in cultured cortical neurons. <i>Brain Research</i> , 1995 , 705, 97-104	3.7	19
76	Phytic Acid Protects against 6-Hydroxydopamine-Induced Dopaminergic Neuron Apoptosis in Normal and Iron Excess Conditions in a Cell Culture Model. <i>Parkinsons Disease</i> , 2011 , 2011, 431068	2.6	18
75	Novel NMDA/glycine site antagonists attenuate cocaine-induced behavioral toxicity. <i>European Journal of Pharmacology</i> , 1997 , 338, 233-42	5.3	18
74	Transcranial magnetic stimulation of mouse brain using high-resolution anatomical models. <i>Journal of Applied Physics</i> , 2014 , 115, 17B303	2.5	17
73	Animal model of posthypoxic myoclonus: II. Neurochemical, pathologic, and pharmacologic characterization. <i>Movement Disorders</i> , 2000 , 15 Suppl 1, 31-8	7	17
72	Cholecystokinin and Alzheimer's disease: a biomarker of metabolic function, neural integrity, and cognitive performance. <i>Neurobiology of Aging</i> , 2019 , 76, 201-207	5.6	16
71	Infectious prion protein alters manganese transport and neurotoxicity in a cell culture model of prion disease. <i>NeuroToxicology</i> , 2011 , 32, 554-62	4.4	16
70	Environmental neurotoxicant-induced dopaminergic neurodegeneration: a potential link to impaired neuroinflammatory mechanisms. <i>Pharmacology & Therapeutics</i> , 2019 , 197, 61-82	13.9	15
69	Molecular cloning, epigenetic regulation, and functional characterization of Prkd1 gene promoter in dopaminergic cell culture models of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2015 , 135, 402-15	6	15
68	Does nitric oxide synthase contribute to the pathogenesis of Alzheimer's disease?: effects of beta-amyloid deposition on NOS in transgenic mouse brain with AD pathology. <i>Annals of the New York Academy of Sciences</i> , 2003 , 1010, 639-42	6.5	15

67	Inhibition of potassium-stimulated dopamine release by the nitric oxide generator isosorbide dinitrate. <i>Neuropharmacology</i> , 1995 , 34, 205-10	5.5	15
66	p73 gene in dopaminergic neurons is highly susceptible to manganese neurotoxicity. <i>NeuroToxicology</i> , 2017 , 59, 231-239	4.4	14
65	Quercetin 2016 , 447-452		14
64	Loss of the dystonia gene Thap1 leads to transcriptional deficits that converge on common pathogenic pathways in dystonic syndromes. <i>Human Molecular Genetics</i> , 2019 , 28, 1343-1356	5.6	14
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