Anumantha G Kanthasamy

List of Publications by Year in Descending Order

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	Mechanistic Insights Into Gut Microbiome Dysbiosis-Mediated Neuroimmune Dysregulation and Protein Misfolding and Clearance in the Pathogenesis of Chronic Neurodegenerative Disorders.. *Frontiers in Neuroscience*, **2022**, 16, 836605	5.1	2
209	Clostridioides difficile Infection Dysregulates Brain Dopamine Metabolism.. *Microbiology Spectrum*, **2022**, e0007322	8.9	0
208	Mitoapocynin Attenuates Organic Dust Exposure-Induced Neuroinflammation and Sensory-Motor Deficits in a Mouse Model.. *Frontiers in Cellular Neuroscience*, **2022**, 16, 817046	6.1	0
207	Environmental Neurotoxic Pesticide Exposure Induces Gut Inflammation and Enteric Neuronal Degeneration by Impairing Enteric Glial Mitochondrial Function in Pesticide Models of Parkinson's Disease: Potential Relevance to Gut-Brain Axis Inflammation in Parkinson's Disease Pathogenesis.. *International Journal of Biochemistry and Cell Biology*, **2022**, 106225	5.6	1
206	Fluid and Tissue Biomarkers of Lewy Body Dementia: Report of an LBDA Symposium.. *Frontiers in Neurology*, **2021**, 12, 805135	4.1	1
205	NANOTECHNOLOGY-MEDIATED THERAPEUTIC STRATEGIES AGAINST SYNUCLEINOPATHIES IN NEURODEGENERATIVE DISEASE.. *Current Opinion in Chemical Engineering*, **2021**, 31, 100673-100673	5.4	0
204	Organic dust-induced mitochondrial dysfunction could be targeted via cGAS-STING or cytoplasmic NOX-2 inhibition using microglial cells and brain slice culture models. *Cell and Tissue Research*, **2021**, 384, 465-486	4.2	2
203	Fyn Kinase-Mediated PKCδ Y311 Phosphorylation Induces Dopaminergic Degeneration in Cell Culture and Animal Models: Implications for the Identification of a New Pharmacological Target for Parkinson's Disease. *Frontiers in Pharmacology*, **2021**, 12, 631375	5.6	2
202	PKC Delta Activation Promotes Endoplasmic Reticulum Stress (ERS) and NLR Family Pyrin Domain-Containing 3 (NLRP3) Inflammasome Activation Subsequent to Asynuclein-Induced Microglial Activation: Involvement of Thioredoxin-Interacting Protein (TXNIP)/Thioredoxin (Trx) Redoxisome Pathway. *Frontiers in Aging Neuroscience*, **2021**, 13, 661505	5.3	6
201	Emerging Roles of N6-Methyladenosine (m6A) Epitranscriptomics in Toxicology. *Toxicological Sciences*, **2021**, 181, 13-22	4.4	2
200	Organic dust exposure induces stress response and mitochondrial dysfunction in monocytic cells. *Histochemistry and Cell Biology*, **2021**, 155, 699-718	2.4	1
199	Functionalized polyanhydride nanoparticles for improved treatment of mitochondrial dysfunction. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2021**,	3.5	1
198	Characterization of nonmotor behavioral impairments and their neurochemical mechanisms in the MitoPark mouse model of progressive neurodegeneration in Parkinson's disease. *Experimental Neurology*, **2021**, 341, 113716	5.7	2
197	Chronic Manganese Exposure and the Enteric Nervous System: An and Mouse Study. *Environmental Health Perspectives*, **2021**, 129, 87005	8.4	2
196	Interleukin-6 and lactate dehydrogenase expression in a novel ex vivo rocking model of equine corneal epithelial wound healing. *Veterinary Ophthalmology*, **2021**, 24, 509-519	1.4	
195	Prokineticin signaling in heart-brain developmental axis: Therapeutic options for heart and brain injuries. *Pharmacological Research*, **2020**, 160, 105190	10.2	2
194	Fyn kinase mediates pro-inflammatory response in a mouse model of endotoxemia: Relevance to translational research. *European Journal of Pharmacology*, **2020**, 881, 173259	5.3	3

193	An Ex Vivo Brain Slice Culture Model of Chronic Wasting Disease: Implications for Disease Pathogenesis and Therapeutic Development. *Scientific Reports*, **2020**, 10, 7640	4.9	4
192	Disruption of intracellular signaling **2020**, 81-96		1
191	Characterization of Astrocytic Response after Experiencing Cavitation In Vitro. *Global Challenges*, **2020**, 4, 1900014	4.3	2
190	Identification of chronic brain protein changes and protein targets of serum auto-antibodies after blast-mediated traumatic brain injury. *Heliyon*, **2020**, 6, e03374	3.6	13
189	Molecular Signatures of Neuroinflammation Induced by Synuclein Aggregates in Microglial Cells. *Frontiers in Immunology*, **2020**, 11, 33	8.4	31
188	Kv1.3 modulates neuroinflammation and neurodegeneration in Parkinson's disease. *Journal of Clinical Investigation*, **2020**, 130, 4195-4212	15.9	26
187	Synuclein real-time quaking-induced conversion in the submandibular glands of Parkinson's disease patients. *Movement Disorders*, **2020**, 35, 268-278	7	43
186	Enzyme Immunoassay-Based Platform for Accurate Detection of Serum Pathological Synuclein in Parkinson's Disease Patients. *ACS Chemical Neuroscience*, **2020**, 11, 4179-4190	5.7	3
185	Tumor Necrosis Factor-Like Weak Inducer of Apoptosis (TWEAK) Enhances Activation of STAT3/NLRC4 Inflammasome Signaling Axis through PKC n Astrocytes: Implications for Parkinson's Disease. *Cells*, **2020**, 9,	7.9	5
184	Blinded RT-QuIC Analysis of Synuclein Biomarker in Skin Tissue From Parkinson's Disease Patients. *Movement Disorders*, **2020**, 35, 2230-2239	7	37
183	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	6.9	13
182	MitoPark transgenic mouse model recapitulates the gastrointestinal dysfunction and gut-microbiome changes of Parkinson's disease. *NeuroToxicology*, **2019**, 75, 186-199	4.4	13
181	The role of manganese in neuroinflammation. *Advances in Neurotoxicology*, **2019**, 3, 121-131	1.6	3
180	Cholecystokinin and Alzheimer's disease: a biomarker of metabolic function, neural integrity, and cognitive performance. *Neurobiology of Aging*, **2019**, 76, 201-207	5.6	16
179	Ultrasensitive Detection of Aggregated 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	6.9	40
178	Environmental neurotoxicant-induced dopaminergic neurodegeneration: a potential link to impaired neuroinflammatory mechanisms. *Pharmacology & Therapeutics*, **2019**, 197, 61-82	13.9	15
177	Neurotoxicity of pesticides. *Acta Neuropathologica*, **2019**, 138, 343-362	14.3	112
176	Is Cerebrospinal Fluid Superoxide Dismutase 1 a Biomarker of Tau But Not Amyloid-Induced Neurodegeneration in Alzheimer's Disease?. *Antioxidants and Redox Signaling*, **2019**, 31, 572-578	8.4	7

175	Exosomes as Mediators of Chemical-Induced Toxicity. *Current Environmental Health Reports*, **2019**, 6, 73-79	6.5	11
174	Fyn kinase regulates misfolded -synuclein uptake and NLRP3 inflammasome activation in microglia. *Journal of Experimental Medicine*, **2019**, 216, 1411-1430	16.6	85
173	Utilization of the CRISPR-Cas9 Gene Editing System to Dissect Neuroinflammatory and Neuropharmacological Mechanisms in Parkinson's Disease. *Journal of NeuroImmune Pharmacology*, **2019**, 14, 595-607	6.9	8
172	Manganese promotes the aggregation and prion-like cell-to-cell exosomal transmission of -synuclein. *Science Signaling*, **2019**, 12,	8.8	78
171	HMGB1-RAGE Signaling Plays a Role in Organic Dust-Induced Microglial Activation and Neuroinflammation. *Toxicological Sciences*, **2019**, 169, 579-592	4.4	22
170	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	4.4	22
169	The Gut-Brain Axis in Neurodegenerative Diseases and Relevance of the Canine Model: A Review. *Frontiers in Aging Neuroscience*, **2019**, 11, 130	5.3	39
168	Manganese-Induced Neurotoxicity: New Insights Into the Triad of Protein Misfolding, Mitochondrial Impairment, and Neuroinflammation. *Frontiers in Neuroscience*, **2019**, 13, 654	5.1	79
167	Ultra-sensitive detection of pathological -synuclein in human tissues and biofluids using the RT-QuIC Assay: Relevance to development of circulating and peripheral biomarkers for diagnosing -synucleinopathies and other protein misfolding diseases. *FASEB Journal*, **2019**, 33, lb88	0.9	
166	Mitochondrial Impairment Upregulates MICOS Expression in a Human Microglial Cell Model. *FASEB Journal*, **2019**, 33, lb19	0.9	
165	Novel NOX2 inhibitor Mito-Apocynin Protects Against LPS-induced Endotoxemia Pre-Clinical Animal Model. *FASEB Journal*, **2019**, 33, lb39	0.9	
164	The Role of ZBP1 in the Neuroinflammatory Response in Glia Cell Models of Parkinson's Disease. *FASEB Journal*, **2019**, 33, lb16	0.9	
163	Accelerated accumulation of retinal -synuclein (pSer129) and tau, neuroinflammation, and autophagic dysregulation in a seeded mouse model of Parkinson's disease. *Neurobiology of Disease*, **2019**, 121, 1-16	7.5	23
162	Loss of the dystonia gene Thap1 leads to transcriptional deficits that converge on common pathogenic pathways in dystonic syndromes. *Human Molecular Genetics*, **2019**, 28, 1343-1356	5.6	14
161	Manganese activates NLRP3 inflammasome signaling and propagates exosomal release of ASC in microglial cells. *Science Signaling*, **2019**, 12,	8.8	51
160	Transcranial magnetic stimulation promotes the proliferation of dopaminergic neuronal cells in vitro. *AIP Advances*, **2018**, 8, 056709	1.5	4
159	Mechanism of intranasal drug delivery directly to the brain. *Life Sciences*, **2018**, 195, 44-52	6.8	232
158	Environmental neurotoxicant manganese regulates exosome-mediated extracellular miRNAs in cell culture model of Parkinson's disease: Relevance to -synuclein misfolding in metal neurotoxicity. *NeuroToxicology*, **2018**, 64, 267-277	4.4	51

157	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. *NeuroToxicology*, **2018**, 64, 240-255	4.4	27
156	Manganese exposure induces neuroinflammation by impairing mitochondrial dynamics in astrocytes. *NeuroToxicology*, **2018**, 64, 204-218	4.4	70
155	Status Epilepticus: Behavioral and Electroencephalography Seizure Correlates in Kainate Experimental Models. *Frontiers in Neurology*, **2018**, 9, 7	4.1	31
154	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	7.5	47
153	Characterization and comparative analysis of a new mouse microglial cell model for studying neuroinflammatory mechanisms during neurotoxic insults. *NeuroToxicology*, **2018**, 67, 129-140	4.4	13
152	Epigallocatechin Gallate Protects against TNF- or HO- Induced Apoptosis by Modulating Iron Related Proteins in a Cell Culture Model. *International Journal for Vitamin and Nutrition Research*, **2018**, 88, 158-165	1.7	8
151	Role of the Fyn-PKC signaling in SE-induced neuroinflammation and epileptogenesis in experimental models of temporal lobe epilepsy. *Neurobiology of Disease*, **2018**, 110, 102-121	7.5	26
150	Biodegradable polyanhydride-based nanomedicines for blood to brain drug delivery. *Journal of Biomedical Materials Research - Part A*, **2018**, 106, 2881-2890	5.4	10
149	Inflammasome inhibition prevents -synuclein pathology and dopaminergic neurodegeneration in mice. *Science Translational Medicine*, **2018**, 10,	17.5	286
148	Prokineticin-2 promotes chemotaxis and alternative A2 reactivity of astrocytes. *Glia*, **2018**, 66, 2137-2157	7	55
147	p73 gene in dopaminergic neurons is highly susceptible to manganese neurotoxicity. *NeuroToxicology*, **2017**, 59, 231-239	4.4	14
146	Chronic Traumatic Encephalopathy **2017**, 599-620		0
145	Integrated Organotypic Slice Cultures and RT-QuIC (OSCAR) Assay: Implications for Translational Discovery in Protein Misfolding Diseases. *Scientific Reports*, **2017**, 7, 43155	4.9	24
144	Mito-Apocynin Prevents Mitochondrial Dysfunction, Microglial Activation, Oxidative Damage, and Progressive Neurodegeneration in MitoPark Transgenic Mice. *Antioxidants and Redox Signaling*, **2017**, 27, 1048-1066	8.4	77
143	Exosomes in Toxicology: Relevance to Chemical Exposure and Pathogenesis of Environmentally Linked Diseases. *Toxicological Sciences*, **2017**, 158, 3-13	4.4	31
142	Involvement of c-Abl Kinase in Microglial Activation of NLRP3 Inflammasome and Impairment in Autolysosomal System. *Journal of NeuroImmune Pharmacology*, **2017**, 12, 624-660	6.9	50
141	Lasting Retinal Injury in a Mouse Model of Blast-Induced Trauma. *American Journal of Pathology*, **2017**, 187, 1459-1472	5.8	20
140	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	6	86

139	Role of protein kinase C in metabolic regulation of the cardiac Na channel. *Heart Rhythm*, **2017**, 14, 440-447	6.7	22
138	Role of neurotoxicants and traumatic brain injury in α-synuclein protein misfolding and aggregation. *Brain Research Bulletin*, **2017**, 133, 60-70	3.9	31
137	Experimental Transmission of the Chronic Wasting Disease Agent to Swine after Oral or Intracranial Inoculation. *Journal of Virology*, **2017**, 91,	6.6	31
136	Mitochondrial impairment in microglia amplifies NLRP3 inflammasome proinflammatory signaling in cell culture and animal models of Parkinson's disease. *Npj Parkinson's Disease*, **2017**, 3, 30	9.7	122
135	Epigallocatechin Gallate Has a Neurorescue Effect in a Mouse Model of Parkinson Disease. *Journal of Nutrition*, **2017**, 147, 1926-1931	4.1	71
134	Neurotoxicity of Vanadium. *Advances in Neurobiology*, **2017**, 18, 287-301	2.1	8
133	Rapid and Refined CD11b Magnetic Isolation of Primary Microglia with Enhanced Purity and Versatility. *Journal of Visualized Experiments*, **2017**,	1.6	12
132	Characterizing a mouse model for evaluation of countermeasures against hydrogen sulfide-induced neurotoxicity and neurological sequelae. *Annals of the New York Academy of Sciences*, **2017**, 1400, 46-64	6.5	19
131	Peripheral versus Central Index of Metabolic Dysfunction and Associations with Clinical and Pathological Outcomes in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2017**, 60, 1313-1324	4.3	8
130	Ante-mortem detection of chronic wasting disease in recto-anal mucosa-associated lymphoid tissues from elk (Cervus elaphus nelsoni) using real-time quaking-induced conversion (RT-QuIC) assay: A blinded collaborative study. *Prion*, **2017**, 11, 415-430	2.3	13
129	Neuronal protection against oxidative insult by polyanhydride nanoparticle-based mitochondria-targeted antioxidant therapy. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 809-820	6	58
128	Cobinamide is effective for treatment of hydrogen sulfide-induced neurological sequelae in a mouse model. *Annals of the New York Academy of Sciences*, **2017**, 1408, 61-78	6.5	13
127	Copper-induced structural conversion templates prion protein oligomerization and neurotoxicity. *Science Advances*, **2016**, 2, e1600014	14.3	42
126	Differential arousal regulation by prokineticin 2 signaling in the nocturnal mouse and the diurnal monkey. *Molecular Brain*, **2016**, 9, 78	4.5	3
125	Prokineticin-2 upregulation during neuronal injury mediates a compensatory protective response against dopaminergic neuronal degeneration. *Nature Communications*, **2016**, 7, 12932	17.4	48
124	Protein kinase Cδ upregulation in microglia drives neuroinflammatory responses and dopaminergic neurodegeneration in experimental models of Parkinson's disease. *Neurobiology of Disease*, **2016**, 93, 96-114	7.5	61
123	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
122	Quercetin **2016**, 447-452		14

121	Mitoapocynin Treatment Protects Against Neuroinflammation and Dopaminergic Neurodegeneration in a Preclinical Animal Model of Parkinson's Disease. *Journal of NeuroImmune Pharmacology*, **2016**, 11, 259-78	6.9	68
120	Gut microbiome in health and disease: Linking the microbiome-gut-brain axis and environmental factors in the pathogenesis of systemic and neurodegenerative diseases. *Pharmacology & Therapeutics*, **2016**, 158, 52-62	13.9	265
119	Alterations in mitochondrial dynamics induced by tebufenpyrad and pyridaben in a dopaminergic neuronal cell culture model. *NeuroToxicology*, **2016**, 53, 302-313	4.4	40
118	Hepcidin Plays a Key Role in 6-OHDA Induced Iron Overload and Apoptotic Cell Death in a Cell Culture Model of Parkinson's Disease. *Parkinson's Disease*, **2016**, 2016, 8684130	2.6	10
117	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, 2302-9	5.8	31
116	Acute hydrogen sulfide-induced neuropathology and neurological sequelae: challenges for translational neuroprotective research. *Annals of the New York Academy of Sciences*, **2016**, 1378, 5-16	6.5	34
115	Fyn Kinase Regulates Microglial Neuroinflammatory Responses in Cell Culture and Animal Models of Parkinson's Disease. *Journal of Neuroscience*, **2015**, 35, 10058-77	6.6	100
114	-Synuclein protects against manganese neurotoxic insult during the early stages of exposure in a dopaminergic cell model of Parkinson's disease. *Toxicological Sciences*, **2015**, 143, 454-68	4.4	71
113	Nanoneuromedicines for degenerative, inflammatory, and infectious nervous system diseases. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 751-67	6	79
112	Nano-enabled delivery of diverse payloads across complex biological barriers. *Journal of Controlled Release*, **2015**, 219, 548-559	11.7	41
111	Agrochemicals-Induced Dopaminergic Neurotoxicity: Role of Mitochondria-Mediated Oxidative Stress and Protein Clearance Mechanisms. *Current Topics in Neurotoxicity*, **2015**, 171-204		
110	Molecular cloning, epigenetic regulation, and functional characterization of Prkd1 gene promoter in dopaminergic cell culture models of Parkinson's disease. *Journal of Neurochemistry*, **2015**, 135, 402-15	6	15
109	EGCG Protects against 6-OHDA-Induced Neurotoxicity in a Cell Culture Model. *Parkinson's Disease*, **2015**, 2015, 843906	2.6	21
108	Targeted toxicants to dopaminergic neuronal cell death. *Methods in Molecular Biology*, **2015**, 1254, 239-52	1.4	7
107	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. *Neuroscience Letters*, **2014**, 583, 159-64	3.3	34
106	Vanadium exposure induces olfactory dysfunction in an animal model of metal neurotoxicity. *NeuroToxicology*, **2014**, 43, 73-81	4.4	28
105	Protein kinase D1 (PKD1) phosphorylation promotes dopaminergic neuronal survival during 6-OHDA-induced oxidative stress. *PLoS ONE*, **2014**, 9, e96947	3.7	20
104	Histone hyperacetylation up-regulates protein kinase C in dopaminergic neurons to induce cell death: relevance to epigenetic mechanisms of neurodegeneration in Parkinson disease. *Journal of Biological Chemistry*, **2014**, 289, 34743-67	5.4	49

103	In vitro amplification of scrapie and chronic wasting disease PrP(res) using baculovirus-expressed recombinant PrP as substrate. *Prion*, **2014**, 8, 393-403	2.3	4
102	Role of proteolytic activation of protein kinase C in the pathogenesis of prion disease. *Prion*, **2014**, 8, 143-53	2.3	24
101	Biomarkers of Parkinson disease **2014**, 817-831		
100	Transcranial magnetic stimulation of mouse brain using high-resolution anatomical models. *Journal of Applied Physics*, **2014**, 115, 17B303	2.5	17
99	Mitochondria-targeted antioxidants for treatment of Parkinson's disease: preclinical and clinical outcomes. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 1282-94	6.9	215
98	Diapocynin prevents early Parkinson's disease symptoms in the leucine-rich repeat kinase 2 (LRRK2R G) transgenic mouse. *Neuroscience Letters*, **2013**, 549, 57-62	3.3	30
97	The peptidyl-prolyl isomerase Pin1 up-regulation and proapoptotic function in dopaminergic neurons: relevance to the pathogenesis of Parkinson disease. *Journal of Biological Chemistry*, **2013**, 288, 21955-71	5.4	52
96	Mixed Lineage Kinase-c-Jun N-Terminal Kinase Axis: A Potential Therapeutic Target in Cancer. *Genes and Cancer*, **2013**, 4, 334-41	2.9	23
95	Emerging neurotoxic mechanisms in environmental factors-induced neurodegeneration. *NeuroToxicology*, **2012**, 33, 833-7	4.4	44
94	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, 308-32	3.9	67
93	Alterations in bioenergetic function induced by Parkinson's disease mimetic compounds: lack of correlation with superoxide generation. *Journal of Neurochemistry*, **2012**, 122, 941-51	6	49
92	Role of oxidative stress in methamphetamine-induced dopaminergic toxicity mediated by protein kinase C *Behavioural Brain Research*, **2012**, 232, 98-113	3.4	55
91	Anti-inflammatory and neuroprotective effects of an orally active apocynin derivative in pre-clinical models of Parkinson's disease. *Journal of Neuroinflammation*, **2012**, 9, 241	10.1	79
90	Proteolytic activation of proapoptotic kinase protein kinase C by tumor necrosis factor death receptor signaling in dopaminergic neurons during neuroinflammation. *Journal of Neuroinflammation*, **2012**, 9, 82	10.1	51
89	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
88	Effect of divalent metals on the neuronal proteasomal system, prion protein ubiquitination and aggregation. *Toxicology Letters*, **2012**, 214, 288-95	4.4	23
87	N-Acetyl Cysteine Protects against Methamphetamine-Induced Dopaminergic Neurodegeneration via Modulation of Redox Status and Autophagy in Dopaminergic Cells. *Parkinson's Disease*, **2012**, 2012, 424285	2.6	47
86	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, 8149-54	11.5	51

85	Transcriptional regulation of pro-apoptotic protein kinase Cdelta: implications for oxidative stress-induced neuronal cell death. *Journal of Biological Chemistry*, **2011**, 286, 19840-59	5.4	35
84	Measurement of proteasomal dysfunction in cell models of dopaminergic degeneration. *Methods in Molecular Biology*, **2011**, 758, 293-305	1.4	2
83	PKC inhibition enhances tyrosine hydroxylase phosphorylation in mice after methamphetamine treatment. *Neurochemistry International*, **2011**, 59, 39-50	4.4	33
82	Paraquat induces epigenetic changes by promoting histone acetylation in cell culture models of dopaminergic degeneration. *NeuroToxicology*, **2011**, 32, 586-95	4.4	85
81	Environmental neurotoxic pesticide dieldrin activates a non receptor tyrosine kinase to promote PKC mediated dopaminergic apoptosis in a dopaminergic neuronal cell model. *NeuroToxicology*, **2011**, 32, 567-77	4.4	29
80	Infectious prion protein alters manganese transport and neurotoxicity in a cell culture model of prion disease. *NeuroToxicology*, **2011**, 32, 554-62	4.4	16
79	Phytic Acid Protects against 6-Hydroxydopamine-Induced Dopaminergic Neuron Apoptosis in Normal and Iron Excess Conditions in a Cell Culture Model. *Parkinsonks Disease*, **2011**, 2011, 431068	2.6	18
78	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	4.6	50
77	Manganese nanoparticle activates mitochondrial dependent apoptotic signaling and autophagy in dopaminergic neuronal cells. *Toxicology and Applied Pharmacology*, **2011**, 256, 227-40	4.6	101
76	Dopaminergic neurotoxicant 6-OHDA induces oxidative damage through proteolytic activation of PKC in cell culture and animal models of Parkinson's disease. *Toxicology and Applied Pharmacology* , **2011**, 256, 314-23	4.6	51
75	Protein kinase D1 (PKD1) activation mediates a compensatory protective response during early stages of oxidative stress-induced neuronal degeneration. *Molecular Neurodegeneration*, **2011**, 6, 43	19	20
74	Cell signaling mechanisms in developmental neurotoxicity **2011**, 835-845		
73	A simple magnetic separation method for high-yield isolation of pure primary microglia. *Journal of Neuroscience Methods*, **2011**, 194, 287-96	3	72
72	Neuroprotective effect of resveratrol against methamphetamine-induced dopaminergic apoptotic cell death in a cell culture model of neurotoxicity. *Current Neuropharmacology*, **2011**, 9, 49-53	7.6	33
71	Synuclein negatively regulates protein kinase C expression to suppress apoptosis in dopaminergic neurons by reducing p300 histone acetyltransferase activity. *Journal of Neuroscience*, **2011**, 31, 2035-51	6.6	108
70	Environmental neurotoxic pesticide increases histone acetylation to promote apoptosis in dopaminergic neuronal cells: relevance to epigenetic mechanisms of neurodegeneration. *Molecular Pharmacology*, **2010**, 77, 621-32	4.3	153
69	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, 535-46	4.4	36
68	Novel cell death signaling pathways in neurotoxicity models of dopaminergic degeneration: relevance to oxidative stress and neuroinflammation in Parkinson's disease. *NeuroToxicology*, **2010**, 31, 555-61	4.4	33

67	Neuroprotection by a mitochondria-targeted drug in a Parkinson's disease model. *Free Radical Biology and Medicine*, **2010**, 49, 1674-84	7.8	132
66	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, 273-85	4.6	84
65	Mitochondrial accumulation of polyubiquitinated proteins and differential regulation of apoptosis by polyubiquitination sites Lys-48 and -63. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 1632-1643	5.6	23
64	Curcumin enhances paraquat-induced apoptosis of N27 mesencephalic cells via the generation of reactive oxygen species. *NeuroToxicology*, **2009**, 30, 1008-18	4.4	26
63	Opposing roles of prion protein in oxidative stress- and ER stress-induced apoptotic signaling. *Free Radical Biology and Medicine*, **2008**, 45, 1530-41	7.8	34
62	Proteasome inhibitor-induced apoptosis is mediated by positive feedback amplification of PKCdelta proteolytic activation and mitochondrial translocation. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 2467-81	5.6	44
61	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	4.5	51
60	Neuroprotective and Neurotoxic Properties of □Synuclein in Cell Culture Models of Dopaminergic Degeneration **2008**, 475-490		
59	Neuroprotective effect of the natural iron chelator, phytic acid in a cell culture model of Parkinson's disease. *Toxicology*, **2008**, 245, 101-8	4.4	93
58	Chronic low-dose oxidative stress induces caspase-3-dependent PKCdelta proteolytic activation and apoptosis in a cell culture model of dopaminergic neurodegeneration. *Annals of the New York Academy of Sciences*, **2008**, 1139, 197-205	6.5	41
57	Neuroprotective Effect of Green Tea Polyphenol, EGCG in Animal Model of Parkinson's Disease. *FASEB Journal*, **2008**, 22, 677-677	0.9	6
56	Environmental neurotoxic chemicals-induced ubiquitin proteasome system dysfunction in the pathogenesis and progression of Parkinson's disease. *Pharmacology & Therapeutics*, **2007**, 114, 327-44	13.9	49
55	Normal cellular prion protein protects against manganese-induced oxidative stress and apoptotic cell death. *Toxicological Sciences*, **2007**, 98, 495-509	4.4	67
54	Protein kinase C delta negatively regulates tyrosine hydroxylase activity and dopamine synthesis by enhancing protein phosphatase-2A activity in dopaminergic neurons. *Journal of Neuroscience*, **2007**, 27, 5349-62	6.6	82
53	Neuroprotective effect of protein kinase C delta inhibitor rottlerin in cell culture and animal models of Parkinson's disease. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 322, 913-22	4.7	114
52	Microarray analysis of oxidative stress regulated genes in mesencephalic dopaminergic neuronal cells: relevance to oxidative damage in Parkinson's disease. *Neurochemistry International*, **2007**, 50, 834-47	4.4	55
51	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, 988-97	4.4	99
50	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. *Free Radical Biology and Medicine*, **2006**, 41, 1578-89	7.8	54

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