

Juan Segura-Aguilar

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153
papers

12,323
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42
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110
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165
ext. papers

13,565
ext. citations

4.7
avg, IF

5.7
L-index

#	Paper	IF	Citations
153	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
152	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
151	Quercetin may act as a cytotoxic prooxidant after its metabolic activation to semiquinone and quinoidal product. <i>Free Radical Biology and Medicine</i> , 1999 , 26, 107-116	7.8	380
150	Interactions of iron, dopamine and neuromelanin pathways in brain aging and Parkinson's disease. <i>Progress in Neurobiology</i> , 2017 , 155, 96-119	10.9	322
149	Glutathione transferases catalyse the detoxication of oxidized metabolites (o-quinones) of catecholamines and may serve as an antioxidant system preventing degenerative cellular processes. <i>Biochemical Journal</i> , 1997 , 324 (Pt 1), 25-8	3.8	281
148	Protective and toxic roles of dopamine in Parkinson's disease. <i>Journal of Neurochemistry</i> , 2014 , 129, 898-915	10.15	271
147	The role of DT-diaphorase in the maintenance of the reduced antioxidant form of coenzyme Q in membrane systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 2528-32	11.5	256
146	Targeting the UPR transcription factor XBP1 protects against Huntington's disease through the regulation of FoxO1 and autophagy. <i>Human Molecular Genetics</i> , 2012 , 21, 2245-62	5.6	205
145	On the mechanism of the Mn3(+)-induced neurotoxicity of dopamine: prevention of quinone-derived oxygen toxicity by DT diaphorase and superoxide dismutase. <i>Chemico-Biological Interactions</i> , 1989 , 72, 309-24	5	154
144	Regioselectivity and reversibility of the glutathione conjugation of quercetin quinone methide. <i>Chemical Research in Toxicology</i> , 2000 , 13, 185-91	4	115
143	Copper neurotoxicity is dependent on dopamine-mediated copper uptake and one-electron reduction of aminochrome in a rat substantia nigra neuronal cell line. <i>Journal of Neurochemistry</i> , 2001 , 77, 519-29	6	107
142	Human class Mu glutathione transferases, in particular isoenzyme M2-2, catalyze detoxication of the dopamine metabolite aminochrome. <i>Journal of Biological Chemistry</i> , 1997 , 272, 5727-31	5.4	104
141	On the neurotoxicity mechanism of leukoaminochrome o-semiquinone radical derived from dopamine oxidation: mitochondria damage, necrosis, and hydroxyl radical formation. <i>Neurobiology of Disease</i> , 2004 , 16, 468-77	7.5	99
140	Metabolic activation of dopamine o-quinones to o-semiquinones by NADPH cytochrome P450 reductase may play an important role in oxidative stress and apoptotic effects. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998 , 1381, 1-6	4	97
139	Dopamine oxidation and autophagy. <i>Parkinsons Disease</i> , 2012 , 2012, 920953	2.6	94
138	Are Dopamine Oxidation Metabolites Involved in the Loss of Dopaminergic Neurons in the Nigrostriatal System in Parkinson's Disease?. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 702-711	5.7	91
137	Glutathione transferase M2-2 catalyzes conjugation of dopamine and dopa o-quinones. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 274, 32-6	3.4	91

136	DT-Diaphorase maintains the reduced state of ubiquinones in lipid vesicles thereby promoting their antioxidant function. <i>Free Radical Biology and Medicine</i> , 1997 , 22, 329-35	7.8	84
135	Cell lines as in vitro models for drug screening and toxicity studies. <i>Drug Development and Industrial Pharmacy</i> , 2005 , 31, 757-68	3.6	83
134	Distribution of DT diaphorase in the rat brain: biochemical and immunohistochemical studies. <i>Neuroscience</i> , 1988 , 27, 763-76	3.9	79
133	Neurotoxins and neurotoxic species implicated in neurodegeneration. <i>Neurotoxicity Research</i> , 2004 , 6, 615-30	4.3	76
132	Effect of superoxide dismutase on the autoxidation of various hydroquinones--a possible role of superoxide dismutase as a superoxide:semiquinone oxidoreductase. <i>Free Radical Biology and Medicine</i> , 1988 , 5, 71-9	7.8	72
131	Inhibition of VMAT-2 and DT-diaphorase induce cell death in a substantia nigra-derived cell line--an experimental cell model for dopamine toxicity studies. <i>Chemical Research in Toxicology</i> , 2007 , 20, 776-83 ⁴		69
130	Superoxide dismutase and catalase enhance autoxidation during one-electron reduction of aminochrome by NADPH-cytochrome P-450 reductase. <i>Biochemical and Molecular Medicine</i> , 1995 , 54, 12-8		67
129	Frequency of the D620N mutation in VPS35 in Parkinson disease. <i>Archives of Neurology</i> , 2012 , 69, 1360-4		66
128	The dopamine metabolite aminochrome inhibits mitochondrial complex I and modifies the expression of iron transporters DMT1 and FPN1. <i>BioMetals</i> , 2012 , 25, 795-803	3.4	65
127	Dopamine-dependent iron toxicity in cells derived from rat hypothalamus. <i>Chemical Research in Toxicology</i> , 2005 , 18, 415-9	4	65
126	Aminochrome induces disruption of actin, alpha-, and beta-tubulin cytoskeleton networks in substantia-nigra-derived cell line. <i>Neurotoxicity Research</i> , 2010 , 18, 82-92	4.3	64
125	Neurotoxin mechanisms and processes relevant to Parkinson's disease: an update. <i>Neurotoxicity Research</i> , 2015 , 27, 328-54	4.3	58
124	DT-Diaphorase Prevents Aminochrome-Induced Alpha-Synuclein Oligomer Formation and Neurotoxicity. <i>Toxicological Sciences</i> , 2015 , 145, 37-47	4.4	57
123	Impact of Plant-Derived Flavonoids on Neurodegenerative Diseases. <i>Neurotoxicity Research</i> , 2016 , 30, 41-52	4.3	56
122	Autophagy protects against aminochrome-induced cell death in substantia nigra-derived cell line. <i>Toxicological Sciences</i> , 2011 , 121, 376-88	4.4	55
121	Oxygen toxicity in the nervous tissue: comparison of the antioxidant defense of rat brain and sciatic nerve. <i>Neurochemical Research</i> , 1991 , 16, 157-61	4.6	55
120	Copper dopamine complex induces mitochondrial autophagy preceding caspase-independent apoptotic cell death. <i>Journal of Biological Chemistry</i> , 2009 , 284, 13306-13315	5.4	54
119	Novel mechanisms and approaches in the study of neurodegeneration and neuroprotection. a review. <i>Neurotoxicity Research</i> , 2003 , 5, 375-83	4.3	54

118	Interplay between CYP3A-mediated metabolism and polarized efflux of terfenadine and its metabolites in intestinal epithelial Caco-2 (TC7) cell monolayers. <i>Pharmaceutical Research</i> , 1999 , 16, 625-32	4.5	52
117	Glutathione transferase mu 2 protects glioblastoma cells against aminochrome toxicity by preventing autophagy and lysosome dysfunction. <i>Autophagy</i> , 2014 , 10, 618-30	10.2	49
116	DT-diaphorase-catalyzed two-electron reduction of quinone epoxides. <i>Free Radical Biology and Medicine</i> , 1987 , 3, 181-8	7.8	49
115	Monoamine transporter inhibitors and norepinephrine reduce dopamine-dependent iron toxicity in cells derived from the substantia nigra. <i>Journal of Neurochemistry</i> , 2005 , 92, 1021-32	6	46
114	Overexpression of VMAT-2 and DT-diaphorase protects substantia nigra-derived cells against aminochrome neurotoxicity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 1125-38	6.9	44
113	Behavioral effects of manganese injected in the rat substantia nigra are potentiated by dicumarol, a DT-diaphorase inhibitor. <i>Pharmacology Biochemistry and Behavior</i> , 2004 , 77, 245-51	3.9	43
112	Stable expression of short interfering RNA for DT-diaphorase induces neurotoxicity. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1492-6	4	41
111	Nitrobenzimidazoles as substrates for DT-diaphorase and redox cycling compounds: their enzymatic reactions and cytotoxicity. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 346, 219-29	4.1	40
110	Peroxidase activity of liver microsomal vitamin D 25-hydroxylase and cytochrome P450 1A2 catalyzes 25-hydroxylation of vitamin D3 and oxidation of dopamine to aminochrome. <i>Biochemical and Molecular Medicine</i> , 1996 , 58, 122-9		40
109	The cytotoxic effects of 5-OH-1,4-naphthoquinone and 5,8-diOH-1,4-naphthoquinone on doxorubicin-resistant human leukemia cells (HL-60). <i>Leukemia Research</i> , 1992 , 16, 631-7	2.7	39
108	Glutathione transferase-M2-2 secreted from glioblastoma cell protects SH-SY5Y cells from aminochrome neurotoxicity. <i>Neurotoxicity Research</i> , 2015 , 27, 217-28	4.3	37
107	Association of GST M1 null polymorphism with Parkinson's disease in a Chilean population with a strong Amerindian genetic component. <i>Neuroscience Letters</i> , 2007 , 418, 181-5	3.3	36
106	DT-diaphorase-catalyzed two-electron reduction of various p-benzoquinone- and 1,4-naphthoquinone epoxides. <i>Free Radical Biology and Medicine</i> , 1988 , 5, 133-43	7.8	36
105	Oxidation of dopamine to aminochrome as a mechanism for neurodegeneration of dopaminergic systems in Parkinson's disease. Possible neuroprotective role of DT-diaphorase. <i>Polish Journal of Pharmacology</i> , 2002 , 54, 573-9		33
104	Neurotoxins and neurotoxicity mechanisms. An overview. <i>Neurotoxicity Research</i> , 2006 , 10, 263-87	4.3	31
103	Dicoumarol-sensitive glucuronidation of benzo(a)pyrene metabolites in rat liver microsomes. <i>Archives of Biochemistry and Biophysics</i> , 1986 , 251, 266-75	4.1	31
102	The two-electron quinone reductase DT-diaphorase generates and maintains the antioxidant (reduced) form of coenzyme Q in membranes. <i>Molecular Aspects of Medicine</i> , 1997 , 18 Suppl, S15-23	16.7	29
101	Aminochrome as New Preclinical Model to Find New Pharmacological Treatment that Stop the Development of Parkinson's Disease. <i>Current Medicinal Chemistry</i> , 2016 , 23, 346-59	4.3	29

100	Molecular and neurochemical mechanisms in PD pathogenesis. <i>Neurotoxicity Research</i> , 2009 , 16, 271-9	4.3	27
99	Aminochrome induces dopaminergic neuronal dysfunction: a new animal model for Parkinson's disease. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 3583-97	10.3	27
98	Aminochrome Toxicity is Mediated by Inhibition of Microtubules Polymerization Through the Formation of Adducts with Tubulin. <i>Neurotoxicity Research</i> , 2016 , 29, 381-93	4.3	26
97	Aminochrome Induces Irreversible Mitochondrial Dysfunction by Inducing Autophagy Dysfunction in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2018 , 12, 106	5.1	26
96	The Importance of Mitophagy in Maintaining Mitochondrial Function in U373MG Cells. Bafilomycin A1 Restores Aminochrome-Induced Mitochondrial Damage. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 2247-2253	5.7	26
95	The possible role of one-electron reduction of aminochrome in the neurodegenerative process of the dopaminergic system. <i>Neurotoxicity Research</i> , 2001 , 3, 157-65	4.3	26
94	The levels of quinone reductases, superoxide dismutase and glutathione-related enzymatic activities in diethylstilbestrol-induced carcinogenesis in the kidney of male Syrian golden hamsters. <i>Carcinogenesis</i> , 1990 , 11, 1727-32	4.6	26
93	On the role of endogenous neurotoxins and neuroprotection in Parkinson's disease. <i>Neural Regeneration Research</i> , 2017 , 12, 897-901	4.5	26
92	Aminochrome induces microglia and astrocyte activation. <i>Toxicology in Vitro</i> , 2017 , 42, 54-60	3.6	25
91	Botulinum neurotoxin: evolution from poison, to research tool--onto medicinal therapeutic and future pharmaceutical panacea. <i>Neurotoxicity Research</i> , 2007 , 12, 275-90	4.3	24
90	Aminochrome as a preclinical experimental model to study degeneration of dopaminergic neurons in Parkinson's disease. <i>Neurotoxicity Research</i> , 2007 , 12, 125-34	4.3	24
89	Inhibition of DT-diaphorase is a requirement for Mn(III) to produce a 6-OH-dopamine like rotational behaviour. <i>Neurotoxicity Research</i> , 2002 , 4, 127-31	4.3	24
88	Protective effects of nicotine against aminochrome-induced toxicity in substantia nigra derived cells: implications for Parkinson's disease. <i>Neurotoxicity Research</i> , 2012 , 22, 177-80	4.3	23
87	The Effect of 5OH-1,4-Naphthoquinone on Norway Spruce Seeds during Germination. <i>Plant Physiology</i> , 1992 , 100, 1955-61	6.6	22
86	Separation and characterization of isoforms of DT-diaphorase from rat liver cytosol. <i>BBA - Proteins and Proteomics</i> , 1992 , 1120, 33-42		22
85	A new direct method for determining superoxide dismutase activity by measuring hydrogen peroxide formation. <i>Chemico-Biological Interactions</i> , 1993 , 86, 69-78	5	22
84	A new mechanism for protection of dopaminergic neurons mediated by astrocytes. <i>Neural Regeneration Research</i> , 2015 , 10, 1225-7	4.5	22
83	DT-diaphorase Protects Against Autophagy Induced by Aminochrome-Dependent Alpha-Synuclein Oligomers. <i>Neurotoxicity Research</i> , 2017 , 32, 362-367	4.3	21

82	Copper neurotoxicity in rat substantia nigra and striatum is dependent on DT-diaphorase inhibition. <i>Chemical Research in Toxicology</i> , 2008 , 21, 1180-5	4	20
81	Behavioral effects of aminochrome and dopachrome injected in the rat substantia nigra. <i>Pharmacology Biochemistry and Behavior</i> , 2002 , 73, 843-50	3.9	20
80	Establishment and characterization of immortalized neuronal cell lines derived from the spinal cord of normal and trisomy 16 fetal mice, an animal model of Down syndrome. <i>Journal of Neuroscience Research</i> , 2002 , 68, 46-58	4.4	20
79	Possible role of salsolinol quinone methide in the decrease of RCSN-3 cell survival. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 283, 1069-76	3.4	20
78	DT-diaphorase protects astrocytes from aminochrome-induced toxicity. <i>NeuroToxicology</i> , 2016 , 55, 10-12	4.4	20
77	DT-Diaphorase Prevents Aminochrome-Induced Lysosome Dysfunction in SH-SY5Y Cells. <i>Neurotoxicity Research</i> , 2019 , 35, 255-259	4.3	20
76	On the Role of Aminochrome in Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019 , 13, 271	5.1	19
75	Aminochrome decreases NGF, GDNF and induces neuroinflammation in organotypic midbrain slice cultures. <i>NeuroToxicology</i> , 2018 , 66, 98-106	4.4	19
74	Effect of the knockdown of amyloid precursor protein on intracellular calcium increases in a neuronal cell line derived from the cerebral cortex of a trisomy 16 mouse. <i>Experimental Neurology</i> , 2008 , 209, 234-42	5.7	19
73	Knockdown of amyloid precursor protein normalizes cholinergic function in a cell line derived from the cerebral cortex of a trisomy 16 mouse: An animal model of down syndrome. <i>Journal of Neuroscience Research</i> , 2006 , 84, 1303-10	4.4	19
72	Studies of aminochrome toxicity in a mouse derived neuronal cell line: is this toxicity mediated via glutamate transmission?. <i>Amino Acids</i> , 2000 , 18, 363-73	3.5	19
71	The catecholaminergic RCSN-3 cell line: a model to study dopamine metabolism. <i>Neurotoxicity Research</i> , 2008 , 13, 221-30	4.3	18
70	Antioxidant and glutathione-related enzymatic activities in rat sciatic nerve. <i>Neurotoxicology and Teratology</i> , 1990 , 12, 603-5	3.9	18
69	DT-diaphorase catalyzes N-denitration and redox cycling of tetryl. <i>FEBS Letters</i> , 1998 , 436, 144-8	3.8	17
68	Lrrk2 mutations in South America: A study of Chilean Parkinson's disease. <i>Neuroscience Letters</i> , 2007 , 422, 193-7	3.3	17
67	On the Role of DT-Diaphorase Inhibition in Aminochrome-Induced Neurotoxicity In Vivo. <i>Neurotoxicity Research</i> , 2017 , 32, 134-140	4.3	16
66	Association of Parkinson disease to PARK16 in a Chilean sample. <i>Parkinsonism and Related Disorders</i> , 2011 , 17, 70-1	3.6	15
65	Superoxide dismutase and catalase prevent the formation of reactive oxygen species during reduction of cyclized dopa ortho-quinone by DT-diaphorase. <i>Chemico-Biological Interactions</i> , 1994 , 93, 103-16	5	15

64	The protective effect of superoxide dismutase and catalase against formation of reactive oxygen species during reduction of cyclized norepinephrine ortho-quinone by DT-diaphorase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994 , 1200, 197-204	4	15
63	One-electron reduction of 6-hydroxydopamine quinone is essential in 6-hydroxydopamine neurotoxicity. <i>Neurotoxicity Research</i> , 2013 , 24, 94-101	4.3	14
62	Lrrk2 p.Q1111H substitution and Parkinson's disease in Latin America. <i>Parkinsonism and Related Disorders</i> , 2011 , 17, 629-31	3.6	12
61	The role of metal ions in dopaminergic neuron degeneration in Parkinsonism and Parkinson's disease. <i>Monatshefte Für Chemie</i> , 2011 , 142, 365-374	1.4	12
60	Effects of four organohalogen environmental contaminants on cytochrome P450 forms that catalyze 4- and 2-hydroxylation of estradiol in the rat liver. <i>Biochemical and Molecular Medicine</i> , 1997 , 60, 149-54		12
59	MPP(+)-induced degeneration is potentiated by dicoumarol in cultures of the RCSN-3 dopaminergic cell line. Implications of neuromelanin in oxidative metabolism of dopamine neurotoxicity. <i>Neurotoxicity Research</i> , 2003 , 5, 407-10	4.3	12
58	Inhibition of DT-diaphorase potentiates the in vivo neurotoxic effect of intranigral injection of salsolinol in rats. <i>Neurotoxicity Research</i> , 2004 , 5, 629-33	4.3	12
57	Angiotensin receptor II is present in dopaminergic cell line of rat substantia nigra and it is down regulated by aminochrome. <i>Molecular and Cellular Biochemistry</i> , 2000 , 212, 131-134	4.2	12
56	Novel Alpha-Synuclein Oligomers Formed with the Aminochrome-Glutathione Conjugate Are Not Neurotoxic. <i>Neurotoxicity Research</i> , 2019 , 35, 432-440	4.3	12
55	Effects of superoxide dismutase and catalase during reduction of adrenochrome by DT-diaphorase and NADPH-cytochrome P450 reductase. <i>Biochemical and Molecular Medicine</i> , 1995 , 56, 37-44		11
54	Neurotoxins as Preclinical Models for Parkinson's Disease. <i>Neurotoxicity Research</i> , 2018 , 34, 870-877	4.3	10
53	Reduction of brain antioxidant defense upon treatment with butylated hydroxyanisole (BHA) and Sudan III in Syrian golden hamster. <i>Neurochemical Research</i> , 2000 , 25, 389-93	4.6	10
52	Role of redox cycling and activation by DT-diaphorase in the cytotoxicity of 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB-1954) and its analogs. <i>Cancer Letters</i> , 1999 , 146, 217-22	9.9	10
51	Formation of reactive oxygen species during one-electron reduction of noradrenochrome catalyzed by NADPH-cytochrome P-450 reductase. <i>Redox Report</i> , 1994 , 1, 65-70	5.9	9
50	Activity and immunohistochemistry of DT-diaphorase in hamster and human kidney tumours. <i>Carcinogenesis</i> , 1994 , 15, 1631-6	4.6	9
49	The need of a new and more physiological preclinical model for Parkinson's disease. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 1381-2	10.3	8
48	Neurotoxicological and neuroprotective elements in Parkinson's disease. <i>Neurotoxicity Research</i> , 2002 , 4, 83-86	4.3	8
47	Studies on the mode of action of the herbicidal effect of 2,4,5-trichlorophenoxyacetic acid on germinating Norway spruce. <i>Environmental and Experimental Botany</i> , 1995 , 35, 309-315	5.9	8

46	Commentary: Evaluation of Models of Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2016 , 10, 161	5.1	8
45	Cellular Trafficking of Glutathione Transferase M2-2 Between U373MG and SHSY-S7 Cells is Mediated by Exosomes. <i>Neurotoxicity Research</i> , 2021 , 39, 182-190	4.3	8
44	Mechanisms of Dopamine Oxidation and Parkinson's Disease 2014 , 865-883		8
43	On the Role of Mining Exposure in Epigenetic Effects in Parkinson's Disease. <i>Neurotoxicity Research</i> , 2017 , 32, 172-174	4.3	7
42	Quantitative structure activity relationships for the conversion of nitrobenzimidazolones and nitrobenzimidazoles by DT-diaphorase: implications for the kinetic mechanism. <i>FEBS Letters</i> , 1998 , 427, 325-9	3.8	7
41	Neurotoxicity of some MAO inhibitors in adult rat hypothalamic cell culture. <i>Neurotoxicity Research</i> , 2002 , 4, 161-3	4.3	7
40	Effects of the DT-diaphorase inhibitor dicumarol on striatal monoamine levels in L-DOPA and L-deprenyl pre-treated rats. <i>Neurotoxicity Research</i> , 2004 , 5, 569-77	4.3	6
39	Astrocytes protect dopaminergic neurons against aminochrome neurotoxicity.. <i>Neural Regeneration Research</i> , 2022 , 17, 1861-1866	4.5	6
38	KM-34, a Novel Antioxidant Compound, Protects against 6-Hydroxydopamine-Induced Mitochondrial Damage and Neurotoxicity. <i>Neurotoxicity Research</i> , 2019 , 36, 279-291	4.3	6
37	Altered voltage dependent calcium currents in a neuronal cell line derived from the cerebral cortex of a trisomy 16 fetal mouse, an animal model of Down syndrome. <i>Neurotoxicity Research</i> , 2012 , 22, 59-68	4.3	5
36	Autophagy protects against neural cell death induced by piperidine alkaloids present in Prosopis juliflora (Mesquite). <i>Anais Da Academia Brasileira De Ciencias</i> , 2017 , 89, 247-261	1.4	4
35	Angiotensin receptor II is present in dopaminergic cell line of rat substantia nigra and it is down regulated by aminochrome. <i>Molecular and Cellular Biochemistry</i> , 2000 , 212, 131-4	4.2	4
34	New preclinical model are required to discover neuroprotective compound in Parkinson's disease. <i>Pharmacological Research</i> , 2017 , 119, 490	10.2	3
33	The importance of choosing a preclinical model that reflects what happens in Parkinson's disease. <i>Neurochemistry International</i> , 2019 , 126, 203-209	4.4	3
32	The Flavonoid Agathisflavone from Poincianella pyramidalis Prevents Aminochrome Neurotoxicity. <i>Neurotoxicity Research</i> , 2020 , 38, 579-584	4.3	3
31	Knockdown of Myo-Inositol Transporter SMIT1 Normalizes Cholinergic and Glutamatergic Function in an Immortalized Cell Line Established from the Cerebral Cortex of a Trisomy 16 Fetal Mouse, an Animal Model of Human Trisomy 21 (Down Syndrome). <i>Neurotoxicity Research</i> , 2017 , 32, 614-623	4.3	3
30	Commentary: A Humanized Clinically Calibrated Quantitative Systems Pharmacology Model for Hypokinetic Motor Symptoms in Parkinson's Disease. <i>Frontiers in Pharmacology</i> , 2016 , 7, 179	5.6	3
29	Dopamine oxidation to neuromelanin and neurotoxic metabolites 2021 , 213-227		3

28	Commentary: Gene Therapy: A Promising Approach for Neuroprotection in Parkinson's Disease?. <i>Frontiers in Neuroanatomy</i> , 2017 , 11, 40	3.6	2
27	Catecholaminergic Cell Lines for the Study of Dopamine Metabolism and Neurotoxicity. <i>Neuromethods</i> , 2011 , 383-402	0.4	2
26	The role of metal ions in dopaminergic neuron degeneration in Parkinsonism and Parkinson disease 2012 , 31-39		2
25	Can we conclude a potential therapeutic action for Parkinson's disease by using postmortem tissue and a preclinical model based on an exogenous neurotoxin?. <i>Cell Death and Disease</i> , 2018 , 9, 748	9.8	2
24	State and perspectives on flavonoid neuroprotection against aminochrome-induced neurotoxicity. <i>Neural Regeneration Research</i> , 2021 , 16, 1797-1798	4.5	2
23	Molecular and Neurochemical Mechanisms Dopamine Oxidation To O-Quinones in Parkinson Disease Pathogenesis. <i>Current Topics in Neurotoxicity</i> , 2015 , 205-223		1
22	Botulinum Neurotoxin, an Example of Successful Translational Research 2018 , 2, 125-126		1
21	Protective Effects of Crude Plant Extracts against Aminochrome-induced toxicity in Human Astrocytoma Cells: Implications for Parkinson's Disease 2019 , 3, 125-133		1
20	Aminochrome Induces Neuroinflammation and Dopaminergic Neuronal Loss: A New Preclinical Model to Find Anti-inflammatory and Neuroprotective Drugs for Parkinson's Disease.. <i>Cellular and Molecular Neurobiology</i> , 2022 , 1	4.6	1
19	Comment on: "Activating Autophagy as a Therapeutic Strategy for Parkinson's Disease". <i>CNS Drugs</i> , 2018 , 32, 685-686	6.7	1
18	Neuroprotective mechanisms against dopamine oxidation-dependent neurotoxicity 2021 , 229-240		1
17	Chapter 4 Molecular Aspects of Neurotoxins in Dopaminergic Neurons. <i>Advances in Molecular Toxicology</i> , 2009 , 99-115	0.4	
16	Program and abstracts of the First Int Meeting: Mechanisms for Neurodegenerative Disorders Alzheimer, Amyotropic Lateral Sclerosis (ALS) and Parkinson Disease. <i>Neurotoxicity Research</i> , 2002 , 4, 165-182	4.3	
15	Generation of free radicals in germinating Norway spruce. Differences in the effect of two different phenolic compounds*. <i>Proceedings of the Royal Society of Edinburgh Section B Biological Sciences</i> , 1994 , 102, 203-210		
14	Ivermectin as a potential therapeutic in COVID-19 2020 , 4, 160-161		
13	RCSN Cell System for Identifying Dopaminergic Neurotoxicity 2021 , 1-16		
12	Angiotensin receptor II is present in dopaminergic cell line of rat substantia nigra and it is down regulated by aminochrome 2000 , 131-134		
11	RCSN Cell System for Identifying Dopaminergic Neurotoxicity 2014 , 95-108		

- 10 Advances in Stem Cell Research for Parkinson Disease **2014**, 653-690
- 9 Dopamine and L-dopa as Selective Endogenous Neurotoxins **2014**, 199-218
- 8 Exogenous neurotoxins as a preclinical model for Parkinson's disease **2021**, 241-253
- 7 Preclinical models based on endogenous neurotoxins **2021**, 263-282
- 6 Dopamine storage and release **2021**, 195-201
- 5 Generation of nonviral integration-free human iPS cell line KISCOi001-A from normal human fibroblasts, under defined xeno-free and feeder-free conditions. *Stem Cell Research*, **2021**, 51, 102193 ^{1.6}
- 4 P1-159: RARE VARIANTS IN PLCG2, ABI3, AND TREM2 GENES ARE ASSOCIATED WITH ALZHEIMER'S DISEASE IN AN ARGENTINIAN SAMPLE: IS IT A EUROPEAN HERITAGE? **2018**, 14, P337-P338
- 3 Dopamine synthesis **2021**, 187-193
- 2 Dopamine and L-Dopa as Selective Endogenous Neurotoxins **2022**, 1-35
- 1 Mechanisms of Dopamine Oxidation and Parkinson's Disease **2022**, 1-36