Juan Segura-Aguilar

List of Publications by Year in Descending Order

153 papers	12,323 citations	42 h-index	110 g-index
165 ext. papers	13,565 ext. citations	4.7 avg, IF	5.7 L-index

#	Paper	IF	Citations
153	Astrocytes protect dopaminergic neurons against aminochrome neurotoxicity.. *Neural Regeneration Research*, **2022**, 17, 1861-1866	4.5	6
152	Aminochrome Induces Neuroinflammation and Dopaminergic Neuronal Loss: A New Preclinical Model to Find Anti-inflammatory and Neuroprotective Drugs for Parkinson's Disease.. *Cellular and Molecular Neurobiology*, **2022**, 1	4.6	1
151	Dopamine and L-Dopa as Selective Endogenous Neurotoxins **2022**, 1-35		
150	Mechanisms of Dopamine Oxidation and Parkinson Disease **2022**, 1-36		
149	RCSN Cell System for Identifying Dopaminergic Neurotoxicity **2021**, 1-16		
148	Dopamine oxidation to neuromelanin and neurotoxic metabolites **2021**, 213-227		3
147	Exogenous neurotoxins as a preclinical model for Parkinson's disease **2021**, 241-253		
146	Preclinical models based on endogenous neurotoxins **2021**, 263-282		
145	Dopamine storage and release **2021**, 195-201		
144	Cellular Trafficking of Glutathione Transferase M2-2 Between U373MG and SHSY-S7 Cells is Mediated by Exosomes. *Neurotoxicity Research*, **2021**, 39, 182-190	4.3	8
143	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	
142	Neuroprotective mechanisms against dopamine oxidation-dependent neurotoxicity **2021**, 229-240		1
141	Dopamine synthesis **2021**, 187-193		
140	State and perspectives on flavonoid neuroprotection against aminochrome-induced neurotoxicity. *Neural Regeneration Research*, **2021**, 16, 1797-1798	4.5	2
139	The Flavonoid Agathisflavone from Poincianella pyramidalis Prevents Aminochrome Neurotoxicity. *Neurotoxicity Research*, **2020**, 38, 579-584	4.3	3
138	Ivermectin as a potential therapeutic in COVID-19 **2020**, 4, 160-161		
137	On the Role of Aminochrome in Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Parkinson's Disease. *Frontiers in Neuroscience*, **2019**, 13, 271	5.1	19

136	The importance of choosing a preclinical model that reflects what happens in Parkinson's disease. *Neurochemistry International*, **2019**, 126, 203-209	4.4	3
135	Protective Effects of Crude Plant Extracts against Aminochrome-induced toxicity in Human Astrocytoma Cells: Implications for Parkinson's Disease **2019**, 3, 125-133		1
134	DT-Diaphorase Prevents Aminochrome-Induced Lysosome Dysfunction in SH-SY5Y Cells. *Neurotoxicity Research*, **2019**, 35, 255-259	4.3	20
133	Novel Alpha-Synuclein Oligomers Formed with the Aminochrome-Glutathione Conjugate Are Not Neurotoxic. *Neurotoxicity Research*, **2019**, 35, 432-440	4.3	12
132	KM-34, a Novel Antioxidant Compound, Protects against 6-Hydroxydopamine-Induced Mitochondrial Damage and Neurotoxicity. *Neurotoxicity Research*, **2019**, 36, 279-291	4.3	6
131	Neurotoxins as Preclinical Models for Parkinson's Disease. *Neurotoxicity Research*, **2018**, 34, 870-877	4.3	10
130	Aminochrome decreases NGF, GDNF and induces neuroinflammation in organotypic midbrain slice cultures. *NeuroToxicology*, **2018**, 66, 98-106	4.4	19
129	Aminochrome Induces Irreversible Mitochondrial Dysfunction by Inducing Autophagy Dysfunction in Parkinson's Disease. *Frontiers in Neuroscience*, **2018**, 12, 106	5.1	26
128	Botulinum Neurotoxin, an Example of Successful Translational Research **2018**, 2, 125-126		1
127	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		
126	Can we conclude a potential therapeutic action for Parkinson's disease by using postmortem tissue and a preclinical model based on an exogenous neurotoxin?. *Cell Death and Disease*, **2018**, 9, 748	9.8	2
125	Comment on: "Activating Autophagy as a Therapeutic Strategy for Parkinson's Disease". *CNS Drugs*, **2018**, 32, 685-686	6.7	1
124	Interactions of iron, dopamine and neuromelanin pathways in brain aging and Parkinson's disease. *Progress in Neurobiology*, **2017**, 155, 96-119	10.9	322
123	Are Dopamine Oxidation Metabolites Involved in the Loss of Dopaminergic Neurons in the Nigrostriatal System in Parkinson's Disease?. *ACS Chemical Neuroscience*, **2017**, 8, 702-711	5.7	91
122	On the Role of Mining Exposure in Epigenetic Effects in Parkinson's Disease. *Neurotoxicity Research*, **2017**, 32, 172-174	4.3	7
121	DT-diaphorase Protects Against Autophagy Induced by Aminochrome-Dependent Alpha-Synuclein Oligomers. *Neurotoxicity Research*, **2017**, 32, 362-367	4.3	21
120	Aminochrome induces microglia and astrocyte activation. *Toxicology in Vitro*, **2017**, 42, 54-60	3.6	25
119	On the Role of DT-Diaphorase Inhibition in Aminochrome-Induced Neurotoxicity In Vivo. *Neurotoxicity Research*, **2017**, 32, 134-140	4.3	16

118	New preclinical model are required to discover neuroprotective compound in Parkinson's disease. *Pharmacological Research*, **2017**, 119, 490	10.2	3
117	Autophagy protects against neural cell death induced by piperidine alkaloids present in Prosopis juliflora (Mesquite). *Anais Da Academia Brasileira De Ciencias*, **2017**, 89, 247-261	1.4	4
116	The Importance of Mitophagy in Maintaining Mitochondrial Function in U373MG Cells. Bafilomycin A1 Restores Aminochrome-Induced Mitochondrial Damage. *ACS Chemical Neuroscience*, **2017**, 8, 2247-2253	5.7	26
115	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). *Neurotoxicity Research*, **2017**, 32, 614-623	4.3	3
114	Commentary: Gene Therapy: A Promising Approach for Neuroprotection in Parkinson's Disease?. *Frontiers in Neuroanatomy*, **2017**, 11, 40	3.6	2
113	On the role of endogenous neurotoxins and neuroprotection in Parkinson's disease. *Neural Regeneration Research*, **2017**, 12, 897-901	4.5	26
112	Aminochrome Toxicity is Mediated by Inhibition of Microtubules Polymerization Through the Formation of Adducts with Tubulin. *Neurotoxicity Research*, **2016**, 29, 381-93	4.3	26
111	The need of a new and more physiological preclinical model for Parkinson's disease. *Cellular and Molecular Life Sciences*, **2016**, 73, 1381-2	10.3	8
110	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
109	Impact of Plant-Derived Flavonoids on Neurodegenerative Diseases. *Neurotoxicity Research*, **2016**, 30, 41-52	4.3	56
108	Aminochrome as New Preclinical Model to Find New Pharmacological Treatment that Stop the Development of Parkinson's Disease. *Current Medicinal Chemistry*, **2016**, 23, 346-59	4.3	29
107	Commentary: Evaluation of Models of Parkinson's Disease. *Frontiers in Neuroscience*, **2016**, 10, 161	5.1	8
106	Commentary: A Humanized Clinically Calibrated Quantitative Systems Pharmacology Model for Hypokinetic Motor Symptoms in Parkinson's Disease. *Frontiers in Pharmacology*, **2016**, 7, 179	5.6	3
105	Aminochrome induces dopaminergic neuronal dysfunction: a new animal model for Parkinson's disease. *Cellular and Molecular Life Sciences*, **2016**, 73, 3583-97	10.3	27
104	DT-diaphorase protects astrocytes from aminochrome-induced toxicity. *NeuroToxicology*, **2016**, 55, 10-12	4.4	20
103	Molecular and Neurochemical Mechanisms Dopamine Oxidation To O-Quinones in Parkinson's Disease Pathogenesis. *Current Topics in Neurotoxicity*, **2015**, 205-223		1
102	Glutathione transferase-M2-2 secreted from glioblastoma cell protects SH-SY5Y cells from aminochrome neurotoxicity. *Neurotoxicity Research*, **2015**, 27, 217-28	4.3	37
101	DT-Diaphorase Prevents Aminochrome-Induced Alpha-Synuclein Oligomer Formation and Neurotoxicity. *Toxicological Sciences*, **2015**, 145, 37-47	4.4	57

100	Neurotoxin mechanisms and processes relevant to Parkinson's disease: an update. *Neurotoxicity Research*, **2015**, 27, 328-54	4.3	58
99	A new mechanism for protection of dopaminergic neurons mediated by astrocytes. *Neural Regeneration Research*, **2015**, 10, 1225-7	4.5	22
98	Glutathione transferase mu 2 protects glioblastoma cells against aminochrome toxicity by preventing autophagy and lysosome dysfunction. *Autophagy*, **2014**, 10, 618-30	10.2	49
97	Protective and toxic roles of dopamine in Parkinson's disease. *Journal of Neurochemistry*, **2014**, 129, 898-915		271
96	RCSN Cell System for Identifying Dopaminergic Neurotoxicity **2014**, 95-108		
95	Advances in Stem Cell Research for Parkinson Disease **2014**, 653-690		
94	Dopamine and L-dopa as Selective Endogenous Neurotoxins **2014**, 199-218		
93	Mechanisms of Dopamine Oxidation and Parkinson's Disease **2014**, 865-883		8
92	One-electron reduction of 6-hydroxydopamine quinone is essential in 6-hydroxydopamine neurotoxicity. *Neurotoxicity Research*, **2013**, 24, 94-101	4.3	14
91	Overexpression of VMAT-2 and DT-diaphorase protects substantia nigra-derived cells against aminochrome neurotoxicity. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2012**, 1822, 1125-36	6.9	44
90	Targeting the UPR transcription factor XBP1 protects against Huntington's disease through the regulation of FoxO1 and autophagy. *Human Molecular Genetics*, **2012**, 21, 2245-62	5.6	205
89	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
88	Dopamine oxidation and autophagy. *Parkinson's Disease*, **2012**, 2012, 920953	2.6	94
87	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. *Neurotoxicity Research*, **2012**, 22, 59-68	4.3	5
86	Protective effects of nicotine against aminochrome-induced toxicity in substantia nigra derived cells: implications for Parkinson's disease. *Neurotoxicity Research*, **2012**, 22, 177-80	4.3	23
85	The dopamine metabolite aminochrome inhibits mitochondrial complex I and modifies the expression of iron transporters DMT1 and FPN1. *BioMetals*, **2012**, 25, 795-803	3.4	65
84	Frequency of the D620N mutation in VPS35 in Parkinson disease. *Archives of Neurology*, **2012**, 69, 1360-4		66
83	The role of metal ions in dopaminergic neuron degeneration in Parkinsonism and Parkinson's disease **2012**, 31-39		2

82	Catecholaminergic Cell Lines for the Study of Dopamine Metabolism and Neurotoxicity. *Neuromethods*, **2011**, 383-402	0.4	2
81	Association of Parkinson disease to PARK16 in a Chilean sample. *Parkinsonism and Related Disorders* , **2011**, 17, 70-1	3.6	15
80	Lrrk2 p.Q1111H substitution and Parkinson's disease in Latin America. *Parkinsonism and Related Disorders*, **2011**, 17, 629-31	3.6	12
79	The role of metal ions in dopaminergic neuron degeneration in Parkinsonism and Parkinson disease. *Monatshefte F Chemie*, **2011**, 142, 365-374	1.4	12
78	Autophagy protects against aminochrome-induced cell death in substantia nigra-derived cell line. *Toxicological Sciences*, **2011**, 121, 376-88	4.4	55
77	Stable expression of short interfering RNA for DT-diaphorase induces neurotoxicity. *Chemical Research in Toxicology*, **2010**, 23, 1492-6	4	41
76	Aminochrome induces disruption of actin, alpha-, and beta-tubulin cytoskeleton networks in substantia-nigra-derived cell line. *Neurotoxicity Research*, **2010**, 18, 82-92	4.3	64
75	Copper dopamine complex induces mitochondrial autophagy preceding caspase-independent apoptotic cell death. *Journal of Biological Chemistry*, **2009**, 284, 13306-13315	5.4	54
74	Molecular and neurochemical mechanisms in PD pathogenesis. *Neurotoxicity Research*, **2009**, 16, 271-9	4.3	27
73	Chapter 4 Molecular Aspects of Neurotoxins in Dopaminergic Neurons. *Advances in Molecular Toxicology*, **2009**, 99-115	0.4	
72	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. *Experimental Neurology*, **2008**, 209, 234-42	5.7	19
71	Copper neurotoxicity in rat substantia nigra and striatum is dependent on DT-diaphorase inhibition. *Chemical Research in Toxicology*, **2008**, 21, 1180-5	4	20
70	The catecholaminergic RCSN-3 cell line: a model to study dopamine metabolism. *Neurotoxicity Research*, **2008**, 13, 221-30	4.3	18
69	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. *Chemical Research in Toxicology*, **2007**, 20, 776-83	4	69
68	Botulinum neurotoxin: evolution from poison, to research tool--onto medicinal therapeutic and future pharmaceutical panacea. *Neurotoxicity Research*, **2007**, 12, 275-90	4.3	24
67	Aminochrome as a preclinical experimental model to study degeneration of dopaminergic neurons in Parkinson's disease. *Neurotoxicity Research*, **2007**, 12, 125-34	4.3	24
66	Association of GST M1 null polymorphism with Parkinson's disease in a Chilean population with a strong Amerindian genetic component. *Neuroscience Letters*, **2007**, 418, 181-5	3.3	36
65	Lrrk2 mutations in South America: A study of Chilean Parkinson's disease. *Neuroscience Letters*, **2007**, 422, 193-7	3.3	17

64	Neurotoxins and neurotoxicity mechanisms. An overview. *Neurotoxicity Research*, **2006**, 10, 263-87	4.3	31
63	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. *Journal of Neuroscience Research*, **2006**, 84, 1303-10	4.4	19
62	Cell lines as in vitro models for drug screening and toxicity studies. *Drug Development and Industrial Pharmacy*, **2005**, 31, 757-68	3.6	83
61	Dopamine-dependent iron toxicity in cells derived from rat hypothalamus. *Chemical Research in Toxicology*, **2005**, 18, 415-9	4	65
60	Monoamine transporter inhibitors and norepinephrine reduce dopamine-dependent iron toxicity in cells derived from the substantia nigra. *Journal of Neurochemistry*, **2005**, 92, 1021-32	6	46
59	Behavioral effects of manganese injected in the rat substantia nigra are potentiated by dicumarol, a DT-diaphorase inhibitor. *Pharmacology Biochemistry and Behavior*, **2004**, 77, 245-51	3.9	43
58	Neurotoxins and neurotoxic species implicated in neurodegeneration. *Neurotoxicity Research*, **2004**, 6, 615-30	4.3	76
57	Effects of the DT-diaphorase inhibitor dicumarol on striatal monoamine levels in L-DOPA and L-deprenyl pre-treated rats. *Neurotoxicity Research*, **2004**, 5, 569-77	4.3	6
56	Inhibition of DT-diaphorase potentiates the in vivo neurotoxic effect of intranigral injection of salsolinol in rats. *Neurotoxicity Research*, **2004**, 5, 629-33	4.3	12
55	On the neurotoxicity mechanism of leukoaminochrome o-semiquinone radical derived from dopamine oxidation: mitochondria damage, necrosis, and hydroxyl radical formation. *Neurobiology of Disease*, **2004**, 16, 468-77	7.5	99
54	Novel mechanisms and approaches in the study of neurodegeneration and neuroprotection. a review. *Neurotoxicity Research*, **2003**, 5, 375-83	4.3	54
53	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. *Neurotoxicity Research*, **2003**, 5, 407-10	4.3	12
52	Behavioral effects of aminochrome and dopachrome injected in the rat substantia nigra. *Pharmacology Biochemistry and Behavior*, **2002**, 73, 843-50	3.9	20
51	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. *Journal of Neuroscience Research*, **2002**, 68, 46-58	4.4	20
50	Program and abstracts of the First Int Meeting: Mechanisms for Neurodegenerative Disorders Alzheimer, Amyotropic Lateral Sclerosis (ALS) and Parkinson Disease. *Neurotoxicity Research*, **2002**, 4, 165-182	4.3	
49	Neurotoxicological and neuroprotective elements in Parkinson's disease. *Neurotoxicity Research*, **2002**, 4, 83-86	4.3	8
48	Inhibition of DT-diaphorase is a requirement for Mn(III) to produce a 6-OH-dopamine like rotational behaviour. *Neurotoxicity Research*, **2002**, 4, 127-31	4.3	24
47	Neurotoxicity of some MAO inhibitors in adult rat hypothalamic cell culture. *Neurotoxicity Research*, **2002**, 4, 161-3	4.3	7

46	Oxidation of dopamine to aminochrome as a mechanism for neurodegeneration of dopaminergic systems in Parkinson's disease. Possible neuroprotective role of DT-diaphorase. *Polish Journal of Pharmacology*, **2002**, 54, 573-9		33
45	The possible role of one-electron reduction of aminochrome in the neurodegenerative process of the dopaminergic system. *Neurotoxicity Research*, **2001**, 3, 157-65	4.3	26
44	Copper neurotoxicity is dependent on dopamine-mediated copper uptake and one-electron reduction of aminochrome in a rat substantia nigra neuronal cell line. *Journal of Neurochemistry*, **2001**, 77, 519-29	6	107
43	Possible role of salsolinol quinone methide in the decrease of RCSN-3 cell survival. *Biochemical and Biophysical Research Communications*, **2001**, 283, 1069-76	3.4	20
42	Angiotensin receptor II is present in dopaminergic cell line of rat substantia nigra and it is down regulated by aminochrome. *Molecular and Cellular Biochemistry*, **2000**, 212, 131-134	4.2	12
41	Reduction of brain antioxidant defense upon treatment with butylated hydroxyanisole (BHA) and Sudan III in Syrian golden hamster. *Neurochemical Research*, **2000**, 25, 389-93	4.6	10
40	Studies of aminochrome toxicity in a mouse derived neuronal cell line: is this toxicity mediated via glutamate transmission?. *Amino Acids*, **2000**, 18, 363-73	3.5	19
39	Glutathione transferase M2-2 catalyzes conjugation of dopamine and dopa o-quinones. *Biochemical and Biophysical Research Communications*, **2000**, 274, 32-6	3.4	91
38	Regioselectivity and reversibility of the glutathione conjugation of quercetin quinone methide. *Chemical Research in Toxicology*, **2000**, 13, 185-91	4	115
37	Angiotensin receptor II is present in dopaminergic cell line of rat substantia nigra and it is down regulated by aminochrome **2000**, 131-134		
36	Angiotensin receptor II is present in dopaminergic cell line of rat substantia nigra and it is down regulated by aminochrome. *Molecular and Cellular Biochemistry*, **2000**, 212, 131-4	4.2	4
35	Interplay between CYP3A-mediated metabolism and polarized efflux of terfenadine and its metabolites in intestinal epithelial Caco-2 (TC7) cell monolayers. *Pharmaceutical Research*, **1999**, 16, 625-32	4.5	52
34	Quercetin may act as a cytotoxic prooxidant after its metabolic activation to semiquinone and quinoidal product. *Free Radical Biology and Medicine*, **1999**, 26, 107-16	7.8	380
33	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. *Cancer Letters*, **1999**, 146, 217-22	9.9	10
32	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. *Biochimica Et Biophysica Acta - General Subjects*, **1998**, 1381, 1-6	4	97
31	Quantitative structure activity relationships for the conversion of nitrobenzimidazolones and nitrobenzimidazoles by DT-diaphorase: implications for the kinetic mechanism. *FEBS Letters*, **1998**, 427, 325-9	3.8	7
30	DT-diaphorase catalyzes N-denitration and redox cycling of tetryl. *FEBS Letters*, **1998**, 436, 144-8	3.8	17
29	Human class Mu glutathione transferases, in particular isoenzyme M2-2, catalyze detoxication of the dopamine metabolite aminochrome. *Journal of Biological Chemistry*, **1997**, 272, 5727-31	5.4	104

28	Glutathione transferases catalyse the detoxication of oxidized metabolites (o-quinones) of catecholamines and may serve as an antioxidant system preventing degenerative cellular processes. *Biochemical Journal*, **1997**, 324 (Pt 1), 25-8	3.8	281
27	Nitrobenzimidazoles as substrates for DT-diaphorase and redox cycling compounds: their enzymatic reactions and cytotoxicity. *Archives of Biochemistry and Biophysics*, **1997**, 346, 219-29	4.1	40
26	The two-electron quinone reductase DT-diaphorase generates and maintains the antioxidant (reduced) form of coenzyme Q in membranes. *Molecular Aspects of Medicine*, **1997**, 18 Suppl, S15-23	16.7	29
25	DT-Diaphorase maintains the reduced state of ubiquinones in lipid vesicles thereby promoting their antioxidant function. *Free Radical Biology and Medicine*, **1997**, 22, 329-35	7.8	84
24	Effects of four organohalogen environmental contaminants on cytochrome P450 forms that catalyze 4- and 2-hydroxylation of estradiol in the rat liver. *Biochemical and Molecular Medicine*, **1997**, 60, 149-54		12
23	The role of DT-diaphorase in the maintenance of the reduced antioxidant form of coenzyme Q in membrane systems. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 2528-32	11.5	256
22	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. *Biochemical and Molecular Medicine*, **1996**, 58, 122-9		40
21	Superoxide dismutase and catalase enhance autoxidation during one-electron reduction of aminochrome by NADPH-cytochrome P-450 reductase. *Biochemical and Molecular Medicine*, **1995**, 54, 12-8		67
20	Effects of superoxide dismutase and catalase during reduction of adrenochrome by DT-diaphorase and NADPH-cytochrome P450 reductase. *Biochemical and Molecular Medicine*, **1995**, 56, 37-44		11
19	Studies on the mode of action of the herbicidal effect of 2,4,5-trichlorophenoxyacetic acid on germinating Norway spruce. *Environmental and Experimental Botany*, **1995**, 35, 309-315	5.9	8
18	Formation of reactive oxygen species during one-electron reduction of noradrenochrome catalyzed by NADPH-cytochrome P-450 reductase. *Redox Report*, **1994**, 1, 65-70	5.9	9
17	Generation of free radicals in germinating Norway spruce. Differences in the effect of two different phenolic compounds*. *Proceedings of the Royal Society of Edinburgh Section B Biological Sciences*, **1994**, 102, 203-210		
16	Superoxide dismutase and catalase prevent the formation of reactive oxygen species during reduction of cyclized dopa ortho-quinone by DT-diaphorase. *Chemico-Biological Interactions*, **1994**, 93, 103-16	5	15
15	The protective effect of superoxide dismutase and catalase against formation of reactive oxygen species during reduction of cyclized norepinephrine ortho-quinone by DT-diaphorase. *Biochimica Et Biophysica Acta - General Subjects*, **1994**, 1200, 197-204	4	15
14	Activity and immunohistochemistry of DT-diaphorase in hamster and human kidney tumours. *Carcinogenesis*, **1994**, 15, 1631-6	4.6	9
13	A new direct method for determining superoxide dismutase activity by measuring hydrogen peroxide formation. *Chemico-Biological Interactions*, **1993**, 86, 69-78	5	22
12	The Effect of 5OH-1,4-Naphthoquinone on Norway Spruce Seeds during Germination. *Plant Physiology*, **1992**, 100, 1955-61	6.6	22
11	Separation and characterization of isoforms of DT-diaphorase from rat liver cytosol. *BBA - Proteins and Proteomics*, **1992**, 1120, 33-42		22

10	The cytotoxic effects of 5-OH-1,4-naphthoquinone and 5,8-diOH-1,4-naphthoquinone on doxorubicin-resistant human leukemia cells (HL-60). *Leukemia Research*, **1992**, 16, 631-7	2.7	39
9	Oxygen toxicity in the nervous tissue: comparison of the antioxidant defense of rat brain and sciatic nerve. *Neurochemical Research*, **1991**, 16, 157-61	4.6	55
8	Antioxidant and glutathione-related enzymatic activities in rat sciatic nerve. *Neurotoxicology and Teratology*, **1990**, 12, 603-5	3.9	18
7	The levels of quinone reductases, superoxide dismutase and glutathione-related enzymatic activities in diethylstilbestrol-induced carcinogenesis in the kidney of male Syrian golden hamsters. *Carcinogenesis*, **1990**, 11, 1727-32	4.6	26
6	On the mechanism of the Mn3(+)-induced neurotoxicity of dopamine:prevention of quinone-derived oxygen toxicity by DT diaphorase and superoxide dismutase. *Chemico-Biological Interactions*, **1989**, 72, 309-24	5	154
5	DT-diaphorase-catalyzed two-electron reduction of various p-benzoquinone- and 1,4-naphthoquinone epoxides. *Free Radical Biology and Medicine*, **1988**, 5, 133-43	7.8	36
4	Effect of superoxide dismutase on the autoxidation of various hydroquinones--a possible role of superoxide dismutase as a superoxide:semiquinone oxidoreductase. *Free Radical Biology and Medicine*, **1988**, 5, 71-9	7.8	72
3	Distribution of DT diaphorase in the rat brain: biochemical and immunohistochemical studies. *Neuroscience*, **1988**, 27, 763-76	3.9	79
2	DT-diaphorase-catalyzed two-electron reduction of quinone epoxides. *Free Radical Biology and Medicine*, **1987**, 3, 181-8	7.8	49
1	Dicoumarol-sensitive glucuronidation of benzo(a)pyrene metabolites in rat liver microsomes. *Archives of Biochemistry and Biophysics*, **1986**, 251, 266-75	4.1	31