

# The neurotoxicity of glutamate, dopamine, iron and reactive oxygen species: The interrelationships in health and disease: A review “d

Neurotoxicity Research

1, 27-39

DOI: 10.1007/bf03033337

Citation Report

#	ARTICLE	IF	CITATIONS
1	Neuroprotective and neurorestorative strategies for neuronal injury. Neurotoxicity Research, 2000, 2, 71-84.	2.7	14
2	Dopaminergic denervation enhances susceptibility to hydroxyl radicals in rat neostriatum. Amino Acids, 2000, 19, 183-199.	2.7	33
3	Redox Aspects of Signaling by Catecholamines and Their Metabolites. Antioxidants and Redox Signaling, 2000, 2, 575-583.	5.4	55
4	What is the function of receptor and membrane endocytosis at the postsynaptic neuron?. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1363-1367.	2.6	8
5	Neuroprotective effects of GDNF against 6-OHDA in young and aged rats. Brain Research, 2001, 896, 56-63.	2.2	38
6	The adrenochrome hypothesis of schizophrenia revisited. Neurotoxicity Research, 2002, 4, 147-150.	2.7	23
7	Dopamine- or L-DOPA-induced neurotoxicity: The role of dopamine quinone formation and tyrosinase in a model of Parkinson's disease. Neurotoxicity Research, 2003, 5, 165-176.	2.7	460
8	In vitro neuroprotection against oxidative stress by pre-treatment with a combination of dihydrolipoic acid and phenyl-butyl nitrones. Neurotoxicity Research, 2003, 5, 265-272.	2.7	16
9	Lead-Exposed Increase in Movement Behavior and Brain Lipid Peroxidation in Fish. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 631-643.	1.7	15
10	Inhibition of SIN-1-Induced Change in Mitochondrial Membrane Permeability in PC12 Cells by Dopamine. Neurochemical Research, 2004, 29, 1371-1379.	3.3	3
11	Evidence for Oxidative DNA Damage in the Hippocampus of Elderly Patients With Chronic Schizophrenia. American Journal of Geriatric Psychiatry, 2004, 12, 167-175.	1.2	93
12	Antioxidant potential of vitamins A, E and C in modulating oxidative stress in rat brain. Clinica Chimica Acta, 2004, 340, 229-233.	1.1	211
13	Choosing electrodes for deep brain stimulation experiments—electrochemical considerations. Journal of Neuroscience Methods, 2005, 142, 251-265.	2.5	116
14	Degree of damage compensation by various pacap treatments in monosodium glutamate-induced retinal degeneration. Neurotoxicity Research, 2005, 8, 227-233.	2.7	45
15	L-dopa and dopamine enhance the formation of aggregates under proteasome inhibition in PC12 cells. FEBS Letters, 2005, 579, 1197-1202.	2.8	29
16	Beneficial effects of vitamin C and vitamin E on reserpine-induced oral dyskinesia in rats: Critical role of striatal catalase activity. Neuropharmacology, 2005, 48, 993-1001.	4.1	52
17	Section II.—The Dopamine System. International Review of Neurobiology, 2005, 64, 123-172.	2.0	14
18	Overexpression of NQO1 protects human SK-N-MC neuroblastoma cells against dopamine-induced cell death. Toxicology Letters, 2006, 166, 261-267.	0.8	53

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19	Antioxidant effect of ascorbic acid on PCB (Aroclor 1254) induced oxidative stress in hypothalamus of albino rats. <i>Clinica Chimica Acta</i> , 2006, 365, 297-303.	1.1	70
20	Reactive oxygen species and related haem pathway components as possible epigenetic modifiers in neurobehavioural pathology. <i>Medical Hypotheses</i> , 2006, 66, 92-99.	1.5	10
21	Nonsteroidal anti-inflammatory drugs in Parkinson's disease: possible involvement of quinone formation. <i>Expert Review of Neurotherapeutics</i> , 2006, 6, 1313-1325.	2.8	26
22	Oxidative stress modulates membrane bound ATPases in brain regions of PCB (Aroclor 1254) exposed rats: Protective role of $\alpha$ -tocopherol. <i>Biomedicine and Pharmacotherapy</i> , 2007, 61, 435-440.	5.6	32
23	PCB (Aroclor 1254) enhances oxidative damage in rat brain regions: Protective role of ascorbic acid. <i>NeuroToxicology</i> , 2007, 28, 490-498.	3.0	68
24	Co-administration of C-Phycocyanin ameliorates thioacetamide-induced hepatic encephalopathy in Wistar rats. <i>Journal of the Neurological Sciences</i> , 2007, 252, 67-75.	0.6	56
25	Iron Storage within Dopamine Neurovesicles Revealed by Chemical Nano-Imaging. <i>PLoS ONE</i> , 2007, 2, e925.	2.5	159
26	Effects of pituitary adenylate cyclase activating polypeptide (PACAP) on the PKA-bad-14-3-3 signaling pathway in glutamate-induced retinal injury in neonatal rats. <i>Neurotoxicity Research</i> , 2007, 12, 95-104.	2.7	47
27	Fulminant Hepatic Failure in Rats Induces Oxidative Stress Differentially in Cerebral Cortex, Cerebellum and Pons Medulla. <i>Neurochemical Research</i> , 2007, 32, 517-524.	3.3	71
28	Antioxidant potential of crocins and ethanol extracts of <i>Gardenia jasminoides</i> ELLIS and <i>Crocus sativus</i> L.: A relationship investigation between antioxidant activity and crocin contents. <i>Food Chemistry</i> , 2008, 109, 484-492.	8.2	151
29	Assessment of the direct and indirect effects of MPP+ and dopamine on the human proteasome: implications for Parkinson's disease aetiology. <i>Journal of Neurochemistry</i> , 2008, 105, 225-238.	3.9	28
30	Potent induction of total cellular GSH and NQO1 as well as mitochondrial GSH by 3H-1,2-dithiole-3-thione in SH-SY5Y neuroblastoma cells and primary human neurons: Protection against neurocytotoxicity elicited by dopamine, 6-hydroxydopamine, 4-hydroxy-2-nonenal, or hydrogen peroxide. <i>Brain Research</i> , 2008, 1197, 159-169.	2.2	55
31	Protective role of melatonin on PCB (Aroclor 1254) induced oxidative stress and changes in acetylcholine esterase and membrane bound ATPases in cerebellum, cerebral cortex and hippocampus of adult rat brain. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 585-591.	1.6	43
32	Cruciferous Nutraceutical 3H-1,2-dithiole-3-thione Protects Human Primary Astrocytes Against Neurocytotoxicity Elicited by MPTP, MPP+, 6-OHDA, HNE and Acrolein. <i>Neurochemical Research</i> , 2009, 34, 1924-1934.	3.3	28
33	Oxidative Stress Alters Creatine Kinase System in Serum and Brain Regions of Polychlorinated Biphenyl (Aroclor 1254)-Exposed Rats: Protective Role of Melatonin. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009, 105, 92-97.	2.5	37
34	Protective effects of <i>Nigella sativa</i> oil on propoxur-induced toxicity and oxidative stress in rat brain regions. <i>Pesticide Biochemistry and Physiology</i> , 2010, 98, 128-134.	3.6	37
35	Prolonged $Al^{3+}$ treatment leads to impairment in the ability of primary cortical neurons to maintain $K^{+}$ and $Ca^{2+}$ homeostasis. <i>Molecular Neurodegeneration</i> , 2010, 5, 30.	10.8	15
36	Effect of melatonin on PCB (Aroclor 1254) induced neuronal damage and changes in Cu/Zn superoxide dismutase and glutathione peroxidase-4 mRNA expression in cerebral cortex, cerebellum and hippocampus of adult rats. <i>Neuroscience Research</i> , 2010, 66, 189-197.	1.9	43

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37	Optimizing a Rodent Model of Parkinson's Disease for Exploring the Effects and Mechanisms of Deep Brain Stimulation. <i>Parkinson's Disease</i> , 2011, 2011, 1-19.	1.1	45
38	Electrochemically selective determination of dopamine in the presence of ascorbic and uric acids on the surface of the modified Nafion/single wall carbon nanotube/poly(3-methylthiophene) glassy carbon electrodes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 764-770.	5.0	71
39	Valeriana officinalis ameliorates vacuuous chewing movements induced by reserpine in rats. <i>Journal of Neural Transmission</i> , 2011, 118, 1547-1557.	2.8	27
40	PACAP Improves Functional Outcome in Excitotoxic Retinal Lesion: An Electoretinographic Study. <i>Journal of Molecular Neuroscience</i> , 2011, 43, 44-50.	2.3	23
41	Oxidative stress in schizophrenia: An integrated approach. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 878-893.	6.1	375
42	Studies on Experimental Models. , 2011, , .		1
43	Latent toxoplasmosis reduces gray matter density in schizophrenia but not in controls: Voxel-based-morphometry (VBM) study. <i>World Journal of Biological Psychiatry</i> , 2012, 13, 501-509.	2.6	77
44	Disturbed Function of GABAergic Interneurons in Schizophrenia: Relevance for Medical Treatment?. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 1549-1556.	1.6	8
45	Electrochemical detection of dopamine in the presence of epinephrine, uric acid and ascorbic acid using a graphene-modified electrode. <i>Analytical Methods</i> , 2012, 4, 1687.	2.7	89
46	Effect of Nigella sativa and wheat germ oils on scopolamine-induced memory impairment in rats. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , 2012, 50, 81-88.	0.3	26
47	Layer-by-layer assembled multilayer films of reduced graphene oxide/gold nanoparticles for the electrochemical detection of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2012, 672, 40-44.	3.8	132
48	Oxidative stress, neurodegeneration, and the balance of protein degradation and protein synthesis. <i>Free Radical Biology and Medicine</i> , 2013, 62, 170-185.	2.9	296
49	Electrochemical detection of dopamine at poly(solochrome cyanine)/Pd nanoparticles doped modified carbon paste electrode and simultaneous resolution in the presence of ascorbic acid and uric acid: a voltammetric method. <i>Analytical Methods</i> , 2013, 5, 5627.	2.7	28
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51	Dopaminergic foundations of schizotypy as measured by the German version of the Oxford-Liverpool Inventory of Feelings and Experiences (O-LIFE)â€”a suitable endophenotype of schizophrenia. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 1.	2.0	1,073
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53	Why are neurotransmitters neurotoxic? An evolutionary perspective. <i>F1000Research</i> , 2014, 3, 179.	1.6	13
54	Protective Effect of<i>Solanum nigrum</i>Leaves Extract on Immobilization Stress Induced Changes in Ratâ€™s Brain. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-7.	1.2	36

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55	An efficient optical-electrochemical dual probe for highly sensitive recognition of dopamine based on terbium complex functionalized reduced graphene oxide. <i>Nanoscale</i> , 2014, 6, 4583-4587.	5.6	22
56	Long-Term Systemic Exposure to Rotenone Induces Central and Peripheral Pathology of Parkinson's Disease in Mice. <i>Neurochemical Research</i> , 2015, 40, 1165-1178.	3.3	21
57	Oxidative stress responses in Wistar rats on subacute exposure to pharmaceutical wastewater. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24158-24165.	5.3	29
58	Signaling Mechanisms in the Nitric Oxide Donor- and Amphetamine-Induced Dopamine Release in Mesencephalic Primary Cultured Neurons. <i>Neurotoxicity Research</i> , 2016, 29, 92-104.	2.7	6
59	Preparation of highly stable fullerene C60 decorated graphene oxide nanocomposite and its sensitive electrochemical detection of dopamine in rat brain and pharmaceutical samples. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 375-381.	9.4	65
60	Evaluation of a New Biosensor Based on <i>in Situ</i> Synthesized PPy-Ag-PVP Nanohybrid for Selective Detection of Dopamine. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1118-1127.	2.6	48
61	Effect of release of dopamine on iron transformations and reactive oxygen species (ROS) generation under conditions typical of coastal waters. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 232-244.	3.5	9
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63	Disubstituted Dithiolethione ACDT Exerts Neuroprotective Effects Against 6-Hydroxydopamine-Induced Oxidative Stress in SH-SY5Y Cells. <i>Neurochemical Research</i> , 2019, 44, 1878-1892.	3.3	8
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65	Facile synthesis of cellulose microfibers supported palladium nanospindles on graphene oxide for selective detection of dopamine in pharmaceutical and biological samples. <i>Materials Science and Engineering C</i> , 2019, 98, 256-265.	7.3	28
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70	An In-vitro Study of Electrodes Impedance in Deep Brain Stimulation. <i>Journal of Physics: Conference Series</i> , 2021, 1829, 012019.	0.4	1
71	Neuroprotective Effects of <i>Glochidion zeylanicum</i> Leaf Extract against H <sub>2</sub> O <sub>2</sub> /Glutamate-Induced Toxicity in Cultured Neuronal Cells and Al <sup>2+</sup> -Induced Toxicity in <i>Caenorhabditis elegans</i> . <i>Biology</i> , 2021, 10, 800.	2.8	7
72	The Pathophysiology of Heme in the Brain. <i>Current Alzheimer Research</i> , 2016, 13, 174-184.	1.4	58

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73	Protection of Oxidant-Induced Neuronal Cells Injury by a Unique Cruciferous Nutraceutical. , 2011, , 563-577.		0
74	Interweaving of reactive oxygen species and major neurological and psychiatric disorders. Annales Pharmaceutiques Francaises, 2021, , .	1.0	10
75	Quinone formation as dopaminergic neuron-specific oxidative stress in the pathogenesis of sporadic Parkinson's disease and neurotoxin-induced parkinsonism. Acta Medica Okayama, 2004, 58, 221-33.	0.2	32
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77	Why are neurotransmitters neurotoxic? An evolutionary perspective. F1000Research, 2014, 3, 179.	1.6	4
78	Recent Development of Nano-Carbon Material in Pharmaceutical Application: A Review. Molecules, 2022, 27, 7578.	3.8	8