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Exposure to mitochondrial genotoxins and dopaminergic neurodegeneration in *Caenorhabditis elegans*

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#	Paper	IF	Citations
54	Neuronal responses to stress and injury in <i>C. elegans</i> . <i>FEBS Letters</i> , <b>2015</b> , 589, 1644-52	3.8	23
53	Mitochondrial DNA damage induced autophagy, cell death, and disease. <i>Frontiers in Bioscience - Landmark</i> , <b>2016</b> , 21, 42-54	2.8	97
52	Effects of reduced mitochondrial DNA content on secondary mitochondrial toxicant exposure in <i>Caenorhabditis elegans</i> . <i>Mitochondrion</i> , <b>2016</b> , 30, 255-64	4.9	10
51	Insights into zinc and cadmium biology in the nematode <i>Caenorhabditis elegans</i> . <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 611, 120-133	4.1	17
50	<i>C. elegans</i> as a model system to accelerate discovery for Parkinson disease. <i>Current Opinion in Genetics and Development</i> , <b>2017</b> , 44, 102-109	4.9	38
49	Editor's Highlight: Base Excision Repair Variants and Pesticide Exposure Increase Parkinson's Disease Risk. <i>Toxicological Sciences</i> , <b>2017</b> , 158, 188-198	4.4	20
48	Deficiencies in mitochondrial dynamics sensitize <i>Caenorhabditis elegans</i> to arsenite and other mitochondrial toxicants by reducing mitochondrial adaptability. <i>Toxicology</i> , <b>2017</b> , 387, 81-94	4.4	39
47	Cell Biology of the Mitochondrion. <i>Genetics</i> , <b>2017</b> , 207, 843-871	4	149
46	Platelet mitochondrial dysfunction and the correlation with human diseases. <i>Biochemical Society Transactions</i> , <b>2017</b> , 45, 1213-1223	5.1	39
45	Neurodegeneration Induced by Metals in <i>Caenorhabditis elegans</i> . <i>Advances in Neurobiology</i> , <b>2017</b> , 18, 355-383	2.1	11
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43	Clinical effects of chemical exposures on mitochondrial function. <i>Toxicology</i> , <b>2017</b> , 391, 90-99	4.4	36
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41	Metabolic Profiling in Association with Vascular Endothelial Cell Dysfunction Following Non-Toxic Cadmium Exposure. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	6
40	Behavioral Phenotyping and Pathological Indicators of Parkinson's Disease in Models. <i>Frontiers in Genetics</i> , <b>2017</b> , 8, 77	4.5	44
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38	Mitochondrial Toxicity. <i>Toxicological Sciences</i> , <b>2018</b> , 162, 15-23	4.4	81

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36	Comparison of the Toxic Effects of Quinolinic Acid and 3-Nitropropionic Acid in <i>C. elegans</i> : Involvement of the SKN-1 Pathway. <i>Neurotoxicity Research</i> , <b>2018</b> , 33, 259-267	4.3	12
35	Single copy/knock-in models of ALS SOD1 in <i>C. elegans</i> suggest loss and gain of function have different contributions to cholinergic and glutamatergic neurodegeneration. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007682	6	34
34	Neurotoxin-Induced Animal Models of Parkinson Disease: Pathogenic Mechanism and Assessment. <i>ASN Neuro</i> , <b>2018</b> , 10, 1759091418777438	5.3	86
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32	Modeling Parkinson's Disease in <i>C. elegans</i> . <i>Journal of Parkinson's Disease</i> , <b>2018</b> , 8, 17-32	5.3	73
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20	Multiple metabolic changes mediate the response of <i>Caenorhabditis elegans</i> to the complex I inhibitor rotenone. <i>Toxicology</i> , <b>2021</b> , 447, 152630	4.4	3

19	Therapeutic effects of TP5, a Cdk5/p25 inhibitor, in in vitro and in vivo models of Parkinson's disease. <i>Current Research in Neurobiology</i> , <b>2021</b> , 2, 100006	0	1
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15	PolyQ-independent toxicity associated with novel translational products from CAG repeat expansions.		2
14	6-hydroxydopamine (6-OHDA) Oxidative Stress Assay for Observing Dopaminergic Neuron Loss in. <i>Bio-protocol</i> , <b>2018</b> , 8,	0.9	3
13	Blinded Visual Scoring of Images Using the Freely-available Software Blinder. <i>Bio-protocol</i> , <b>2018</b> , 8,	0.9	2
12	Ion-Catalyzed Reactive Oxygen Species in Sporadic Models of Parkinson's Disease. <b>2016</b> , 75-113		
11	Mitochondrial DNA Mutagenesis: Feature of and Biomarker for Environmental Exposures and Aging. <i>Current Environmental Health Reports</i> , <b>2021</b> , 1	6.5	0
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9	Resistance of mitochondrial DNA to cadmium and Aflatoxin B1 damage-induced germline mutation accumulation in <i>C. elegans</i> . <b>2022</b> , 50, 8626-8642		2
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5	A new diterpenoid from the leaves and twigs of <i>Croton lachnocarpus</i> Benth. 1-7		0
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2	Microalgae as a novel biofactory for biocompatible and bioactive extracellular vesicles.		0

1 Neurotoxicology of metals and metallic nanoparticles in *Caenorhabditis elegans*. **2023**,

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