Laurie H Sanders

List of Publications by Year
in descending order

30 papers	2,566 citations	361413 20 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	4153 citing authors

#	Article	IF	Citations
1	Acoustofluidic multimodal diagnostic system for Alzheimer's disease. Biosensors and Bioelectronics, 2022, 196, 113730.	10.1	31
2	A Connection Between DNA Repair Protein APE1, Alphaâ€Synucleinopathy, and Biological Sex in Rodents and Humans. FASEB Journal, 2022, 36, .	0.5	0
3	Peripheral Klotho and Parkinson's Disease. Movement Disorders, 2021, 36, 1274-1276.	3.9	2
4	DNA damage and repair in Parkinson's disease: Recent advances and new opportunities. Journal of Neuroscience Research, 2021, 99, 180-189.	2.9	37
5	Somatic Mutations in LRRK2 Identify a Subset of Invasive Mammary Carcinomas Associated with High Mutation Burden. American Journal of Pathology, 2020, 190, 2478-2482.	3.8	6
6	Dopamine Metabolism May Have Unexpected Benefits for Mitochondrial Energy Production. Movement Disorders, 2020, 35, 562-562.	3.9	0
7	DNA damage by oxidative stress: Measurement strategies for two genomes. Current Opinion in Toxicology, 2018, 7, 87-94.	5.0	77
8	RAD52 is required for RNA-templated recombination repair in post-mitotic neurons. Journal of Biological Chemistry, 2018, 293, 1353-1362.	3.4	69
9	Alpha-synuclein: Pathology, mitochondrial dysfunction and neuroinflammation in Parkinsonâ€™s disease. Neurobiology of Disease, 2018, 109, 249-257.	4.4	504
10	Newly Revised Quantitative PCRâ€Based Assay for Mitochondrial and Nuclear DNA Damage. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2018, 76, e50.	1.1	11
11	LRRK2 activation in idiopathic Parkinsonâ€™s disease. Science Translational Medicine, 2018, 10, .	12.4	363
12	Evidence for Compartmentalized Axonal Mitochondrial Biogenesis: Mitochondrial DNA Replication Increases in Distal Axons As an Early Response to Parkinson's Disease-Relevant Stress. Journal of Neuroscience, 2018, 38, 7505-7515.	3.6	51
13	Editorâ€™s Highlight: Base Excision Repair Variants and Pesticide Exposure Increase Parkinsonâ€™s Disease Risk. Toxicological Sciences, 2017, 158, 188-198.	3.1	31
14	Extensive uptake of Î±-synuclein oligomers in astrocytes results in sustained intracellular deposits and mitochondrial damage. Molecular and Cellular Neurosciences, 2017, 82, 143-156.	2.2	152
15	Synthetic alpha-synuclein fibrils cause mitochondrial impairment and selective dopamine neurodegeneration in part via iNOS-mediated nitric oxide production. Cellular and Molecular Life Sciences, 2017, 74, 2851-2874.	5.4	94
16	LRRK2 G2019S-induced mitochondrial DNA damage is LRRK2 kinase dependent and inhibition restores mtDNA integrity in Parkinsonâ€™s disease. Human Molecular Genetics, 2017, 26, 4340-4351.	2.9	76
17	Folding Landscape of Mutant Huntingtin Exon1: Diffusible Multimers, Oligomers and Fibrils, and No Detectable Monomer. PLoS ONE, 2016, 11, e0155747.	2.5	48
18	Fruit flies, bile acids, and Parkinson disease. Neurology, 2015, 85, 838-839.	1.1	9

#	Article	IF	Citations
19	LRRK2 mutations cause mitochondrial DNA damage in iPSC-derived neural cells from Parkinson's disease patients: Reversal by gene correction. Neurobiology of Disease, 2014, 62, 381-386.	4.4	235
20	Mitochondrial DNA Damage as a Peripheral Biomarker for Mitochondrial Toxin Exposure in Rats. Toxicological Sciences, 2014, 142, 395-402.	3.1	23
21	Mitochondrial DNA damage: Molecular marker of vulnerable nigral neurons in Parkinson's disease. Neurobiology of Disease, 2014, 70, 214-223.	4.4	155
22	Oxidative damage to macromolecules in human Parkinson disease and the rotenone model. Free Radical Biology and Medicine, 2013, 62, 111-120.	2.9	275
23	Regulation of complex I by Engrailed is complex too. Nature Neuroscience, 2011, 14, 1221-1222.	14.8	3
24	Single-Cell Redox Imaging Demonstrates a Distinctive Response of Dopaminergic Neurons to Oxidative Insults. Antioxidants and Redox Signaling, 2011, 15, 855-871.	5.4	70
25	Epistatic Roles for Pseudomonas aeruginosa MutS and DinB (DNA Pol IV) in Coping with Reactive Oxygen Species-Induced DNA Damage. PLoS ONE, 2011, 6, e18824.	2.5	17
26	Autophagy Protects Against Aminochrome-Induced Cell Death in Substantia Nigra-Derived Cell Line. Toxicological Sciences, 2011, 121, 376-388.	3.1	63
27	The GO system prevents ROS-induced mutagenesis and killing inPseudomonas aeruginosa. FEMS Microbiology Letters, 2009, 294, 89-96.	1.8	36
28	Sliding Clampâ€“DNA Interactions Are Required for Viability and Contribute to DNA Polymerase Management in Escherichia coli. Journal of Molecular Biology, 2009, 387, 74-91.	4.2	39
29	Role of Escherichia coli DNA Polymerase I in Conferring Viability upon the dnaN159 Mutant Strain. Journal of Bacteriology, 2007, 189, 4688-4695.	2.2	14
30	Role of Pseudomonas aeruginosa dinB -Encoded DNA Polymerase IV in Mutagenesis. Journal of Bacteriology, 2006, 188, 8573-8585.	2.2	71