

# Laurie H Sanders

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Alpha-synuclein: Pathology, mitochondrial dysfunction and neuroinflammation in Parkinson's disease. <i>Neurobiology of Disease</i> , 2018, 109, 249-257.	4.4	504
2	LRRK2 activation in idiopathic Parkinson's disease. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	363
3	Oxidative damage to macromolecules in human Parkinson disease and the rotenone model. <i>Free Radical Biology and Medicine</i> , 2013, 62, 111-120.	2.9	275
4	LRRK2 mutations cause mitochondrial DNA damage in iPSC-derived neural cells from Parkinson's disease patients: Reversal by gene correction. <i>Neurobiology of Disease</i> , 2014, 62, 381-386.	4.4	235
5	Mitochondrial DNA damage: Molecular marker of vulnerable nigral neurons in Parkinson's disease. <i>Neurobiology of Disease</i> , 2014, 70, 214-223.	4.4	155
6	Extensive uptake of $\alpha$ -synuclein oligomers in astrocytes results in sustained intracellular deposits and mitochondrial damage. <i>Molecular and Cellular Neurosciences</i> , 2017, 82, 143-156.	2.2	152
7	Synthetic alpha-synuclein fibrils cause mitochondrial impairment and selective dopamine neurodegeneration in part via iNOS-mediated nitric oxide production. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2851-2874.	5.4	94
8	DNA damage by oxidative stress: Measurement strategies for two genomes. <i>Current Opinion in Toxicology</i> , 2018, 7, 87-94.	5.0	77
9	LRRK2 G2019S-induced mitochondrial DNA damage is LRRK2 kinase dependent and inhibition restores mtDNA integrity in Parkinson's disease. <i>Human Molecular Genetics</i> , 2017, 26, 4340-4351.	2.9	76
10	Role of <i>Pseudomonas aeruginosa</i> dinB -Encoded DNA Polymerase IV in Mutagenesis. <i>Journal of Bacteriology</i> , 2006, 188, 8573-8585.	2.2	71
11	Single-Cell Redox Imaging Demonstrates a Distinctive Response of Dopaminergic Neurons to Oxidative Insults. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 855-871.	5.4	70
12	RAD52 is required for RNA-templated recombination repair in post-mitotic neurons. <i>Journal of Biological Chemistry</i> , 2018, 293, 1353-1362.	3.4	69
13	Autophagy Protects Against Aminochrome-Induced Cell Death in Substantia Nigra-Derived Cell Line. <i>Toxicological Sciences</i> , 2011, 121, 376-388.	3.1	63
14	Evidence for Compartmentalized Axonal Mitochondrial Biogenesis: Mitochondrial DNA Replication Increases in Distal Axons As an Early Response to Parkinson's Disease-Relevant Stress. <i>Journal of Neuroscience</i> , 2018, 38, 7505-7515.	3.6	51
15	Folding Landscape of Mutant Huntingtin Exon 1: Diffusible Multimers, Oligomers and Fibrils, and No Detectable Monomer. <i>PLoS ONE</i> , 2016, 11, e0155747.	2.5	48
16	Sliding Clamp-DNA Interactions Are Required for Viability and Contribute to DNA Polymerase Management in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2009, 387, 74-91.	4.2	39
17	DNA damage and repair in Parkinson's disease: Recent advances and new opportunities. <i>Journal of Neuroscience Research</i> , 2021, 99, 180-189.	2.9	37
18	The GO system prevents ROS-induced mutagenesis and killing in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2009, 294, 89-96.	1.8	36

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19	Editorâ€™s Highlight: Base Excision Repair Variants and Pesticide Exposure Increase Parkinsonâ€™s Disease Risk. <i>Toxicological Sciences</i> , 2017, 158, 188-198.	3.1	31
20	Acoustofluidic multimodal diagnostic system for Alzheimer's disease. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113730.	10.1	31
21	Mitochondrial DNA Damage as a Peripheral Biomarker for Mitochondrial Toxin Exposure in Rats. <i>Toxicological Sciences</i> , 2014, 142, 395-402.	3.1	23
22	Epistatic Roles for <i>Pseudomonas aeruginosa</i> MutS and DinB (DNA Pol IV) in Coping with Reactive Oxygen Species-Induced DNA Damage. <i>PLoS ONE</i> , 2011, 6, e18824.	2.5	17
23	Role of <i>Escherichia coli</i> DNA Polymerase I in Conferring Viability upon the dnaN159 Mutant Strain. <i>Journal of Bacteriology</i> , 2007, 189, 4688-4695.	2.2	14
24	Newly Revised Quantitative PCRâ€Based Assay for Mitochondrial and Nuclear DNA Damage. <i>Current Protocols in Toxicology</i> / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2018, 76, e50.	1.1	11
25	Fruit flies, bile acids, and Parkinson disease. <i>Neurology</i> , 2015, 85, 838-839.	1.1	9
26	Somatic Mutations in LRRK2 Identify a Subset of Invasive Mammary Carcinomas Associated with High Mutation Burden. <i>American Journal of Pathology</i> , 2020, 190, 2478-2482.	3.8	6
27	Regulation of complex I by Engrailed is complex too. <i>Nature Neuroscience</i> , 2011, 14, 1221-1222.	14.8	3
28	Peripheral Klotho and Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 1274-1276.	3.9	2
29	Dopamine Metabolism May Have Unexpected Benefits for Mitochondrial Energy Production. <i>Movement Disorders</i> , 2020, 35, 562-562.	3.9	0
30	A Connection Between DNA Repair Protein APE1, Alphaâ€Synucleinopathy, and Biological Sex in Rodents and Humans. <i>FASEB Journal</i> , 2022, 36, .	0.5	0