

# Derek P Narendra

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

23,347  
citations

346980

22  
h-index

355658

38  
g-index

47  
all docs

47  
docs citations

47  
times ranked

34916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Parkin is recruited selectively to impaired mitochondria and promotes their autophagy. <i>Journal of Cell Biology</i> , 2008, 183, 795-803.	2.3	3,315
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
4	Mechanisms of mitophagy. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 9-14.	16.1	2,638
5	PINK1 Is Selectively Stabilized on Impaired Mitochondria to Activate Parkin. <i>PLoS Biology</i> , 2010, 8, e1000298.	2.6	2,299
6	Identification of novel risk loci, causal insights, and heritable risk for Parkinson's disease: a meta-analysis of genome-wide association studies. <i>Lancet Neurology</i> , The, 2019, 18, 1091-1102.	4.9	1,414
7	Proteasome and p97 mediate mitophagy and degradation of mitofusins induced by Parkin. <i>Journal of Cell Biology</i> , 2010, 191, 1367-1380.	2.3	1,161
8	Mitochondrial membrane potential regulates PINK1 import and proteolytic destabilization by PARL. <i>Journal of Cell Biology</i> , 2010, 191, 933-942.	2.3	1,078
9	Parkin and PINK1 mitigate STING-induced inflammation. <i>Nature</i> , 2018, 561, 258-262.	13.7	905
10	p62/SQSTM1 is required for Parkin-induced mitochondrial clustering but not mitophagy; VDAC1 is dispensable for both. <i>Autophagy</i> , 2010, 6, 1090-1106.	4.3	663
11	Targeting Mitochondrial Dysfunction: Role for PINK1 and Parkin in Mitochondrial Quality Control. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1929-1938.	2.5	330
12	Parkin overexpression selects against a deleterious mtDNA mutation in heteroplasmic cybrid cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11835-11840.	3.3	286
13	Mitochondrial Quality Control Mediated by PINK1 and Parkin: Links to Parkinsonism. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a011338-a011338.	2.3	273
14	Mitochondrial Dysfunction and Mitophagy in Parkinson's Disease: From Mechanism to Therapy. <i>Trends in Biochemical Sciences</i> , 2021, 46, 329-343.	3.7	234
15	Parkin-induced mitophagy in the pathogenesis of Parkinson disease. <i>Autophagy</i> , 2009, 5, 706-708.	4.3	209
16	PINK1 drives Parkin self-association and HECT-like E3 activity upstream of mitochondrial binding. <i>Journal of Cell Biology</i> , 2013, 200, 163-172.	2.3	209
17	When Patients Lack Capacity: The Roles That Patients with Terminal Diagnoses Would Choose for Their Physicians and Loved Ones in Making Medical Decisions. <i>Journal of Pain and Symptom Management</i> , 2005, 30, 342-353.	0.6	76
18	Penetrance of Parkinson's Disease in <i>LRRK2</i> p.G2019S Carriers Is Modified by a Polygenic Risk Score. <i>Movement Disorders</i> , 2020, 35, 774-780.	2.2	57

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19	Finding genetically-supported drug targets for Parkinson's disease using Mendelian randomization of the druggable genome. <i>Nature Communications</i> , 2021, 12, 7342.	5.8	44
20	Loss of CHCHD2 and CHCHD10 activates OMA1 peptidase to disrupt mitochondrial cristae phenocopying patient mutations. <i>Human Molecular Genetics</i> , 2020, 29, 1547-1567.	1.4	42
21	CHCHD2 accumulates in distressed mitochondria and facilitates oligomerization of CHCHD10. <i>Human Molecular Genetics</i> , 2018, 27, 3881-3900.	1.4	38
22	Investigation of Autosomal Genetic Sex Differences in Parkinson's Disease. <i>Annals of Neurology</i> , 2021, 90, 35-42.	2.8	29
23	Mt-Keima detects PINK1-PRKN mitophagy <i>in vivo</i> with greater sensitivity than mito-QC. <i>Autophagy</i> , 2021, 17, 3753-3762.	4.3	28
24	Heterozygous <i>PRKN</i> mutations are common but do not increase the risk of Parkinson's disease. <i>Brain</i> , 2022, 145, 2077-2091.	3.7	26
25	OMA1 mediates local and global stress responses against protein misfolding in CHCHD10 mitochondrial myopathy. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	24
26	PINK1 rendered temperature sensitive by disease-associated and engineered mutations. <i>Human Molecular Genetics</i> , 2013, 22, 2572-2589.	1.4	23
27	Trouble in the cell's powerhouse. <i>Nature</i> , 2012, 483, 418-419.	13.7	22
28	Coupling APEX labeling to imaging mass spectrometry of single organelles reveals heterogeneity in lysosomal protein turnover. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	18
29	Peripheral synucleinopathy in a DJ1 patient with Parkinson disease, cataracts, and hearing loss. <i>Neurology</i> , 2019, 92, 1113-1115.	1.5	14
30	α-Synuclein Deposition in Sympathetic Nerve Fibers in Genetic Forms of Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 2346-2357.	2.2	11
31	Managing risky assets – mitophagy <i>in vivo</i> . <i>Journal of Cell Science</i> , 2021, 134, .	1.2	11
32	Metabolic Analysis at the Nanoscale with Multi-Isotope Imaging Mass Spectrometry (MIMS). <i>Current Protocols in Cell Biology</i> , 2020, 88, e111.	2.3	6
33	Discovery of bactericides as an acute mitochondrial membrane damage inducer. <i>Molecular Biology of the Cell</i> , 2021, 32, ar32.	0.9	6
34	Detection of mitophagy in mammalian cells, mice, and yeast. <i>Methods in Cell Biology</i> , 2020, 155, 557-579.	0.5	4
35	Comment on –Mt-Keima detects PINK1-PRKN mitophagy <i>in vivo</i> with greater sensitivity than mito-QC. <i>Autophagy</i> , 2021, 17, 4484-4485.	4.3	4
36	An anomalous developmental venous anomaly. <i>Neurology</i> , 2014, 83, 1033-1034.	1.5	3

#	ARTICLE	IF	CITATIONS
37	PARKIN/PINK1 Pathway for the Selective Isolation and Degradation of Impaired Mitochondria. , 2016, , 159-182.		3
38	Teaching Neuro <i>Images</i> : Brain mass with hilar adenopathy. Neurology, 2014, 82, e161-2.	1.5	2
39	A Woman in Her 40s With Headache and New-Onset Seizures. JAMA Neurology, 2017, 74, 476.	4.5	0
40	Author response: Peripheral synucleinopathy in a DJ1 patient with Parkinson disease, cataracts, and hearing loss. Neurology, 2020, 94, 944.1-944.	1.5	0
41	Sorting out Parkinson's disease: one cell at a time. Brain, 2022, , .	3.7	0