

# Konstantinos Palikaras

## List of Publications by Citations

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**Version:** 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

4,124  
citations

20  
h-index

50  
g-index

50  
ext. papers

5,450  
ext. citations

8.1  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
41	Crosstalk between apoptosis, necrosis and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 3448-3459	4.9	862
40	Mitophagy inhibits amyloid- $\beta$ and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 401-412	25.5	546
39	Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 1013-1022	23.4	459
38	Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. <i>Cell Death and Disease</i> , <b>2010</b> , 1, e10	9.8	441
37	Coordination of mitophagy and mitochondrial biogenesis during ageing in <i>C. elegans</i> . <i>Nature</i> , <b>2015</b> , 521, 525-8	50.4	421
36	Mitochondrial homeostasis: the interplay between mitophagy and mitochondrial biogenesis. <i>Experimental Gerontology</i> , <b>2014</b> , 56, 182-8	4.5	232
35	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in <i>C. elegans</i> . <i>Current Biology</i> , <b>2015</b> , 25, 1810-22	6.3	137
34	Mitophagy and Neuroprotection. <i>Trends in Molecular Medicine</i> , <b>2020</b> , 26, 8-20	11.5	119
33	The life span-prolonging effect of sirtuin-1 is mediated by autophagy. <i>Autophagy</i> , <b>2010</b> , 6, 186-8	10.2	113
32	The Role of Mitophagy in Innate Immunity. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1283	8.4	99
31	Mitophagy in neurodegeneration and aging. <i>Frontiers in Genetics</i> , <b>2012</b> , 3, 297	4.5	94
30	Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. <i>Pharmacology &amp; Therapeutics</i> , <b>2017</b> , 178, 157-174	13.9	75
29	Autophagy in healthy aging and disease.. <i>Nature Aging</i> , <b>2021</b> , 1, 634-650		69
28	Mitochondria, autophagy and age-associated neurodegenerative diseases: New insights into a complex interplay. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2015</b> , 1847, 1412-23	4.6	65
27	Coupling mitogenesis and mitophagy for longevity. <i>Autophagy</i> , <b>2015</b> , 11, 1428-30	10.2	53
26	Mitophagy: In sickness and in health. <i>Molecular and Cellular Oncology</i> , <b>2016</b> , 3, e1056332	1.2	33
25	Ectopic fat deposition contributes to age-associated pathology in <i>Caenorhabditis elegans</i> . <i>Journal of Lipid Research</i> , <b>2017</b> , 58, 72-80	6.3	31

24	Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. <i>Nature Communications</i> , <b>2020</b> , 11, 4029	17.4	28
23	Novel Insights Into the Anti-aging Role of Mitophagy. <i>International Review of Cell and Molecular Biology</i> , <b>2018</b> , 340, 169-208	6	23
22	Regulation and roles of mitophagy at synapses. <i>Mechanisms of Ageing and Development</i> , <b>2020</b> , 187, 1112-1124	4.6	18
21	In Vitro and In Vivo Detection of Mitophagy in Human Cells, C. Elegans, and Mice. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	18
20	Amelioration of Alzheimer's disease pathology by mitophagy inducers identified via machine learning and a cross-species workflow.. <i>Nature Biomedical Engineering</i> , <b>2022</b> , 6, 76-93	19	14
19	Intracellular Assessment of ATP Levels in. <i>Bio-protocol</i> , <b>2016</b> , 6,	0.9	14
18	FAH domain containing protein 1 (FAHD-1) is required for mitochondrial function and locomotion activity in C. elegans. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134161	3.7	10
17	Assessing Mitochondrial Selective Autophagy in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , <b>2017</b> , 1567, 349-361	1.4	8
16	Neuronal Mitophagy: Friend or Foe?. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 611938	5.7	7
15	Interfacing mitochondrial biogenesis and elimination to enhance host pathogen defense and longevity. <i>Worm</i> , <b>2015</b> , 4, e1071763		5
14	Measuring Oxygen Consumption Rate in. <i>Bio-protocol</i> , <b>2016</b> , 6,	0.9	5
13	Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. <i>Cell Death and Differentiation</i> , <b>2021</b> ,	12.7	5
12	Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. <i>Cell Reports</i> , <b>2021</b> , 36, 109668	10.6	4
11	Mitophagy Monitoring in to Determine Mitochondrial Homeostasis. <i>Bio-protocol</i> , <b>2017</b> , 7,	0.9	3
10	Imaging ectopic fat deposition in <i>Caenorhabditis elegans</i> muscles using nonlinear microscopy. <i>Microscopy Research and Technique</i> , <b>2015</b> , 78, 523-8	2.8	3
9	Alteration of mitochondrial homeostasis is an early event in a model of human tauopathy. <i>Aging</i> , <b>2021</b> , 13, 23876-23894	5.6	3
8	<i>Caenorhabditis elegans</i> (Nematode) <b>2013</b> , 404-408		2
7	Multiphoton Fluorescence Light Microscopy <b>2012</b> ,		1

6	Multiphoton Fluorescence Light Microscopy1-8			1
5	Mitophagy Dynamics in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , <b>2019</b> , 1880, 655-668	1.4		1
4	Mitophagy Modulators <b>2018</b> , 433-433			1
3	Case Report: Intracranial Hypertension Secondary to Guillain-Barre Syndrome. <i>Frontiers in Pediatrics</i> , <b>2020</b> , 8, 608695	3.4		0
2	Assessment of dopaminergic neuron degeneration in a model of Parkinson's disease.. <i>STAR Protocols</i> , <b>2022</b> , 3, 101264	1.4		0
1	Mitophagy <b>2021</b> , 976-986			