

# Konstantinos Palikaras

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

6,666  
citations

331259

21  
h-index

329751

37  
g-index

50  
all docs

50  
docs citations

50  
times ranked

11451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosstalk between apoptosis, necrosis and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3448-3459.	1.9	1,099
2	Mitophagy inhibits amyloid- $\beta^2$ and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2019, 22, 401-412.	7.1	1,008
3	Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. <i>Nature Cell Biology</i> , 2018, 20, 1013-1022.	4.6	876
4	Coordination of mitophagy and mitochondrial biogenesis during ageing in <i>C. elegans</i> . <i>Nature</i> , 2015, 521, 525-528.	13.7	574
5	Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. <i>Cell Death and Disease</i> , 2010, 1, e10-e10.	2.7	518
6	Autophagy in healthy aging and disease. <i>Nature Aging</i> , 2021, 1, 634-650.	5.3	467
7	Mitochondrial homeostasis: The interplay between mitophagy and mitochondrial biogenesis. <i>Experimental Gerontology</i> , 2014, 56, 182-188.	1.2	336
8	Mitophagy and Neuroprotection. <i>Trends in Molecular Medicine</i> , 2020, 26, 8-20.	3.5	246
9	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in <i>C.Âelegans</i> . <i>Current Biology</i> , 2015, 25, 1810-1822.	1.8	188
10	The Role of Mitophagy in Innate Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 1283.	2.2	161
11	Balancing mitochondrial biogenesis and mitophagy to maintain energy metabolism homeostasis. <i>Cell Death and Differentiation</i> , 2015, 22, 1399-1401.	5.0	155
12	The life span-prolonging effect of Sirtuin-1 is mediated by autophagy. <i>Autophagy</i> , 2010, 6, 186-188.	4.3	127
13	Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. , 2017, 178, 157-174.		112
14	Amelioration of Alzheimer's disease pathology by mitophagy inducers identified via machine learning and a cross-species workflow. <i>Nature Biomedical Engineering</i> , 2022, 6, 76-93.	11.6	110
15	Mitophagy in neurodegeneration and aging. <i>Frontiers in Genetics</i> , 2012, 3, 297.	1.1	108
16	Mitochondria, autophagy and age-associated neurodegenerative diseases: New insights into a complex interplay. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1412-1423.	0.5	90
17	Coupling mitogenesis and mitophagy for longevity. <i>Autophagy</i> , 2015, 11, 1428-1430.	4.3	67
18	Ectopic fat deposition contributes to age-associated pathology in <i>Caenorhabditis elegans</i> . <i>Journal of Lipid Research</i> , 2017, 58, 72-80.	2.0	60

#	ARTICLE	IF	CITATIONS
19	Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. <i>Nature Communications</i> , 2020, 11, 4029.	5.8	50
20	Mitophagy: In sickness and in health. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1056332.	0.3	40
21	Regulation and roles of mitophagy at synapses. <i>Mechanisms of Ageing and Development</i> , 2020, 187, 111216.	2.2	37
22	Novel Insights Into the Anti-aging Role of Mitophagy. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 169-208.	1.6	31
23	Neuronal Mitophagy: Friend or Foe?. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 611938.	1.8	29
24	Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. <i>Cell Reports</i> , 2021, 36, 109668.	2.9	26
25	Intracellular Assessment of ATP Levels in <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2016, 6, .	0.2	23
26	&lt;em>In Vitro&/em> and &lt;em>In Vivo&/em> Detection of Mitophagy in Human Cells,&lt;em> C. Elegans&/em>, and Mice. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	20
27	Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. <i>Cell Death and Differentiation</i> , 2022, 29, 167-177.	5.0	18
28	FAH Domain Containing Protein 1 (FAHD-1) Is Required for Mitochondrial Function and Locomotion Activity in <i>C. elegans</i> . <i>PLoS ONE</i> , 2015, 10, e0134161.	1.1	13
29	Measuring Oxygen Consumption Rate in <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2016, 6, .	0.2	10
30	In vivo Mitophagy Monitoring in <i>Caenorhabditis elegans</i> to Determine Mitochondrial Homeostasis. <i>Bio-protocol</i> , 2017, 7, .	0.2	9
31	Alteration of mitochondrial homeostasis is an early event in a <i>C. elegans</i> model of human tauopathy. <i>Aging</i> , 2021, 13, 23876-23894.	1.4	9
32	Assessing Mitochondrial Selective Autophagy in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1567, 349-361.	0.4	8
33	Assessment of dopaminergic neuron degeneration in a <i>C. elegans</i> model of Parkinson's disease. <i>STAR Protocols</i> , 2022, 3, 101264.	0.5	8
34	Interfacing mitochondrial biogenesis and elimination to enhance host pathogen defense and longevity. <i>Worm</i> , 2015, 4, e1071763.	1.0	6
35	Mitophagy Modulators. , 2018, , 433-433.		5
36	Imaging ectopic fat deposition in <i>caenorhabditis elegans</i> muscles using nonlinear microscopy. <i>Microscopy Research and Technique</i> , 2015, 78, 523-528.	1.2	4

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37	Case Report: Intracranial Hypertension Secondary to Guillain-Barre Syndrome. <i>Frontiers in Pediatrics</i> , 2020, 8, 608695.	0.9	4
38	<i>Caenorhabditis elegans</i> (Nematode). , 2013, , 404-408.		3
39	Mitophagy Dynamics in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2019, 1880, 655-668.	0.4	3
40	Assessment of de novo Protein Synthesis Rates in <i>Caenorhabditis elegans</i> . <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	3
41	Mitophagy and Neuroinflammation: A Compelling Interplay. <i>Current Neuropharmacology</i> , 2023, 21, 1477-1481.	1.4	2
42	Non-linear imaging techniques visualize the lipid profile of <i>C. elegans</i> . <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
43	Editorial: Mitophagy in Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 647036.	1.8	0
44	Non-linear imaging techniques visualize the lipid profile of <i>C. elegans</i> . , 2015, , .		0
45	In vivo imaging of mitophagy in <i>Caenorhabditis elegans</i> . <i>Protocol Exchange</i> , 0, , .	0.3	0
46	Modeling Age-Associated Neurodegenerative Diseases in <i>Caenorhabditis elegans</i> . <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	0
47	Mitophagy. , 2020, , 1-11.		0
48	Mitophagy. , 2021, , 976-986.		0