

Konstantinos Palikaras

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

6,666
citations

331670

21
h-index

330143

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.	4.1	1,099
2	Mitophagy inhibits amyloid- β^2 and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2019, 22, 401-412.	14.8	1,008
3	Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. <i>Nature Cell Biology</i> , 2018, 20, 1013-1022.	10.3	876
4	Coordination of mitophagy and mitochondrial biogenesis during ageing in <i>C. elegans</i> . <i>Nature</i> , 2015, 521, 525-528.	27.8	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.	6.3	518
6	Autophagy in healthy aging and disease. <i>Nature Aging</i> , 2021, 1, 634-650.	11.6	467
7	Mitochondrial homeostasis: The interplay between mitophagy and mitochondrial biogenesis. <i>Experimental Gerontology</i> , 2014, 56, 182-188.	2.8	336
8	Mitophagy and Neuroprotection. <i>Trends in Molecular Medicine</i> , 2020, 26, 8-20.	6.7	246
9	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in <i>C. Elegans</i> . <i>Current Biology</i> , 2015, 25, 1810-1822.	3.9	188
10	The Role of Mitophagy in Innate Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 1283.	4.8	161
11	Balancing mitochondrial biogenesis and mitophagy to maintain energy metabolism homeostasis. <i>Cell Death and Differentiation</i> , 2015, 22, 1399-1401.	11.2	155
12	The life span-prolonging effect of Sirtuin-1 is mediated by autophagy. <i>Autophagy</i> , 2010, 6, 186-188.	9.1	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.	22.5	110
15	Mitophagy in neurodegeneration and aging. <i>Frontiers in Genetics</i> , 2012, 3, 297.	2.3	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.	1.0	90
17	Coupling mitogenesis and mitophagy for longevity. <i>Autophagy</i> , 2015, 11, 1428-1430.	9.1	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.	4.2	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.	12.8	50
20	Mitophagy: In sickness and in health. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1056332.	0.7	40
21	Regulation and roles of mitophagy at synapses. <i>Mechanisms of Ageing and Development</i> , 2020, 187, 111216.	4.6	37
22	Novel Insights Into the Anti-aging Role of Mitophagy. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 169-208.	3.2	31
23	Neuronal Mitophagy: Friend or Foe?. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 611938.	3.7	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.	6.4	26
25	Intracellular Assessment of ATP Levels in <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2016, 6, .	0.4	23
26	In Vitro and In Vivo Detection of Mitophagy in Human Cells, C. Elegans, and Mice. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	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.	11.2	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.	2.5	13
29	Measuring Oxygen Consumption Rate in <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2016, 6, .	0.4	10
30	In vivo Mitophagy Monitoring in <i>Caenorhabditis elegans</i> to Determine Mitochondrial Homeostasis. <i>Bio-protocol</i> , 2017, 7, .	0.4	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.	3.1	9
32	Assessing Mitochondrial Selective Autophagy in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1567, 349-361.	0.9	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.	1.2	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.	2.2	4

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37	Case Report: Intracranial Hypertension Secondary to Guillain-Barre Syndrome. <i>Frontiers in Pediatrics</i> , 2020, 8, 608695.	1.9	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.	0.9	3
40	Assessment of de novo Protein Synthesis Rates in <i>Caenorhabditis elegans</i> . <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	3
41	Mitophagy and Neuroinflammation: A Compelling Interplay. <i>Current Neuropharmacology</i> , 2023, 21, 1477-1481.	2.9	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.	3.7	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, , .	0.3	0
47	Mitophagy. , 2020, , 1-11.		0
48	Mitophagy. , 2021, , 976-986.		0