

Konstantinos Palikaras

List of Publications by Year in Descending Order

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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 | 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 | 19 | 14 |
| 40 | Assessment of dopaminergic neuron degeneration in a model of Parkinson's disease.. <i>STAR Protocols</i> , 2022 , 3, 101264 | 1.4 | 0 |
| 39 | Alteration of mitochondrial homeostasis is an early event in a model of human tauopathy. <i>Aging</i> , 2021 , 13, 23876-23894 | 5.6 | 3 |
| 38 | Mitophagy 2021 , 976-986 | | |
| 37 | Sustained intracellular calcium rise mediates neuronal mitophagy in models of autosomal dominant optic atrophy. <i>Cell Death and Differentiation</i> , 2021 , | 12.7 | 5 |
| 36 | Autophagy in healthy aging and disease.. <i>Nature Aging</i> , 2021 , 1, 634-650 | | 69 |
| 35 | 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 | 10.6 | 4 |
| 34 | Regulation and roles of mitophagy at synapses. <i>Mechanisms of Ageing and Development</i> , 2020 , 187, 111246 | 4.6 | 18 |
| 33 | Inhibition of autophagy curtails visual loss in a model of autosomal dominant optic atrophy. <i>Nature Communications</i> , 2020 , 11, 4029 | 17.4 | 28 |
| 32 | Mitophagy and Neuroprotection. <i>Trends in Molecular Medicine</i> , 2020 , 26, 8-20 | 11.5 | 119 |
| 31 | Case Report: Intracranial Hypertension Secondary to Guillain-Barre Syndrome. <i>Frontiers in Pediatrics</i> , 2020 , 8, 608695 | 3.4 | 0 |
| 30 | Neuronal Mitophagy: Friend or Foe?. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 611938 | 5.7 | 7 |
| 29 | Mitophagy inhibits amyloid- β and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2019 , 22, 401-412 | 25.5 | 546 |
| 28 | Mitophagy Dynamics in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2019 , 1880, 655-668 | 1.4 | 1 |
| 27 | Novel Insights Into the Anti-aging Role of Mitophagy. <i>International Review of Cell and Molecular Biology</i> , 2018 , 340, 169-208 | 6 | 23 |
| 26 | The Role of Mitophagy in Innate Immunity. <i>Frontiers in Immunology</i> , 2018 , 9, 1283 | 8.4 | 99 |
| 25 | Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. <i>Nature Cell Biology</i> , 2018 , 20, 1013-1022 | 23.4 | 459 |

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| 24 | Mitophagy Modulators 2018 , 433-433 | | 1 |
| 23 | Assessing Mitochondrial Selective Autophagy in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017 , 1567, 349-361 | 1.4 | 8 |
| 22 | Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. <i>Pharmacology & Therapeutics</i> , 2017 , 178, 157-174 | 13.9 | 75 |
| 21 | In Vitro and In Vivo Detection of Mitophagy in Human Cells, <i>C. Elegans</i> , and Mice. <i>Journal of Visualized Experiments</i> , 2017 , | 1.6 | 18 |
| 20 | Ectopic fat deposition contributes to age-associated pathology in <i>Caenorhabditis elegans</i> . <i>Journal of Lipid Research</i> , 2017 , 58, 72-80 | 6.3 | 31 |
| 19 | Mitophagy Monitoring in to Determine Mitochondrial Homeostasis. <i>Bio-protocol</i> , 2017 , 7, | 0.9 | 3 |
| 18 | Mitophagy: In sickness and in health. <i>Molecular and Cellular Oncology</i> , 2016 , 3, e1056332 | 1.2 | 33 |
| 17 | Intracellular Assessment of ATP Levels in. <i>Bio-protocol</i> , 2016 , 6, | 0.9 | 14 |
| 16 | Measuring Oxygen Consumption Rate in. <i>Bio-protocol</i> , 2016 , 6, | 0.9 | 5 |
| 15 | Interfacing mitochondrial biogenesis and elimination to enhance host pathogen defense and longevity. <i>Worm</i> , 2015 , 4, e1071763 | | 5 |
| 14 | Coupling mitogenesis and mitophagy for longevity. <i>Autophagy</i> , 2015 , 11, 1428-30 | 10.2 | 53 |
| 13 | Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in <i>C. elegans</i> . <i>Current Biology</i> , 2015 , 25, 1810-22 | 6.3 | 137 |
| 12 | Mitochondria, autophagy and age-associated neurodegenerative diseases: New insights into a complex interplay. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 1412-23 | 4.6 | 65 |
| 11 | Coordination of mitophagy and mitochondrial biogenesis during ageing in <i>C. elegans</i> . <i>Nature</i> , 2015 , 521, 525-8 | 50.4 | 421 |
| 10 | Imaging ectopic fat deposition in <i>Caenorhabditis elegans</i> muscles using nonlinear microscopy. <i>Microscopy Research and Technique</i> , 2015 , 78, 523-8 | 2.8 | 3 |
| 9 | 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 | 3.7 | 10 |
| 8 | Mitochondrial homeostasis: the interplay between mitophagy and mitochondrial biogenesis. <i>Experimental Gerontology</i> , 2014 , 56, 182-8 | 4.5 | 232 |
| 7 | Crosstalk between apoptosis, necrosis and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 3448-3459 | 4.9 | 862 |

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|---|--|------|-----|
| 6 | Caenorhabditis elegans (Nematode) 2013 , 404-408 | | 2 |
| 5 | Mitophagy in neurodegeneration and aging. <i>Frontiers in Genetics</i> , 2012 , 3, 297 | 4.5 | 94 |
| 4 | Multiphoton Fluorescence Light Microscopy 2012 , | | 1 |
| 3 | Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. <i>Cell Death and Disease</i> , 2010 , 1, e10 | 9.8 | 441 |
| 2 | The life span-prolonging effect of sirtuin-1 is mediated by autophagy. <i>Autophagy</i> , 2010 , 6, 186-8 | 10.2 | 113 |
| 1 | Multiphoton Fluorescence Light Microscopy1-8 | | 1 |