

Nataschia Ventura

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

7,260
citations

172457

29
h-index

161849

54
g-index

63
all docs

63
docs citations

63
times ranked

17366
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.	9.1	4,701
2	Relationship Between Mitochondrial Electron Transport Chain Dysfunction, Development, and Life Extension in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2007, 5, e259.	5.6	331
3	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in <i>C.Âelegans</i> . <i>Current Biology</i> , 2015, 25, 1810-1822.	3.9	188
4	The hallmarks of fibroblast ageing. <i>Mechanisms of Ageing and Development</i> , 2014, 138, 26-44.	4.6	179
5	p53/CEPÂ€1 increases or decreases lifespan, depending on level of mitochondrial bioenergetic stress. <i>Aging Cell</i> , 2009, 8, 380-393.	6.7	110
6	In vivo maturation of human frataxin. <i>Human Molecular Genetics</i> , 2007, 16, 1534-1540.	2.9	103
7	The flavonoid 4,4Â€²-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	12.8	100
8	Acetylation Suppresses the Proapoptotic Activity of GD3 Ganglioside. <i>Journal of Experimental Medicine</i> , 2002, 196, 1535-1541.	8.5	99
9	Reduced expression of frataxin extends the lifespan of <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2005, 4, 109-112.	6.7	79
10	A Pool of Extramitochondrial Frataxin That Promotes Cell Survival. <i>Journal of Biological Chemistry</i> , 2006, 281, 16750-16756.	3.4	79
11	Long-lived <i>C. elegans</i> Mitochondrial mutants as a model for human mitochondrial-associated diseases. <i>Experimental Gerontology</i> , 2006, 41, 974-991.	2.8	76
12	Long-lived mitochondrial (Mit) mutants of <i>Caenorhabditis elegans</i> utilize a novel metabolism. <i>FASEB Journal</i> , 2010, 24, 4977-4988.	0.5	68
13	Autophagy induction extends lifespan and reduces lipid content in response to frataxin silencing in <i>C. elegans</i> . <i>Experimental Gerontology</i> , 2013, 48, 191-201.	2.8	67
14	The aryl hydrocarbon receptor promotes aging phenotypes across species. <i>Scientific Reports</i> , 2016, 6, 19618.	3.3	67
15	Gut microbiota as a candidate for lifespan extension: an ecological/evolutionary perspective targeted on living organisms as metaorganisms. <i>Biogerontology</i> , 2011, 12, 599-609.	3.9	64
16	Activation of SKN-1 by novel kinases in <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2007, 43, 1560-1566.	2.9	62
17	Characterization of apoptosis signal transduction pathways in HL-5 cardiomyocytes exposed to ischemia/reperfusion oxidative stress model. <i>Journal of Cellular Physiology</i> , 2003, 195, 27-37.	4.1	60
18	Caspase-Dependent Cleavage of c-Abl Contributes to Apoptosis. <i>Molecular and Cellular Biology</i> , 2003, 23, 2790-2799.	2.3	58

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19	The interplay between mitochondria and autophagy and its role in the aging process. <i>Experimental Gerontology</i> , 2014, 56, 147-153.	2.8	54
20	Preventing the ubiquitinâ€“proteasome-dependent degradation of frataxin, the protein defective in Friedreich's ataxia. <i>Human Molecular Genetics</i> , 2011, 20, 1253-1261.	2.9	51
21	The Aryl Hydrocarbon Receptor (AhR) in the Aging Process: Another Puzzling Role for This Highly Conserved Transcription Factor. <i>Frontiers in Physiology</i> , 2019, 10, 1561.	2.8	50
22	<i>Caenorhabditis elegans</i> mitochondrial mutants as an investigative tool to study human neurodegenerative diseases associated with mitochondrial dysfunction. <i>Biotechnology Journal</i> , 2007, 2, 584-595.	3.5	49
23	Mitochondrial stress extends lifespan in <i>C. elegans</i> through neuronal hormesis. <i>Experimental Gerontology</i> , 2014, 56, 89-98.	2.8	45
24	<i>C. elegans</i> as a model organism for human mitochondrial associated disorders. <i>Mitochondrion</i> , 2016, 30, 117-125.	3.4	44
25	A <i>de novo</i> X;8 translocation creates a PTK2-THOC2 gene fusion with THOC2 expression knockdown in a patient with psychomotor retardation and congenital cerebellar hypoplasia. <i>Journal of Medical Genetics</i> , 2013, 50, 543-551.	3.2	42
26	Active transcriptomic and proteomic reprogramming in the <i>C. elegans</i> nucleotide excision repair mutant xpa-1. <i>Nucleic Acids Research</i> , 2013, 41, 5368-5381.	14.5	40
27	HDAC inhibition improves autophagic and lysosomal function to prevent loss of subcutaneous fat in a mouse model of Cockayne syndrome. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	37
28	Crosstalk of clock gene expression and autophagy in aging. <i>Aging</i> , 2016, 8, 1876-1895.	3.1	35
29	A role for p53 in mitochondrial stress response control of longevity in <i>C. elegans</i> . <i>Experimental Gerontology</i> , 2010, 45, 550-557.	2.8	34
30	Nanoplastic Toxicity: Insights and Challenges from Experimental Model Systems. <i>Small</i> , 2022, 18, .	10.0	29
31	<i>C. elegans</i> screening strategies to identify pro-longevity interventions. <i>Mechanisms of Ageing and Development</i> , 2016, 157, 60-69.	4.6	25
32	Healthy aging: what can we learn from <i>Caenorhabditis elegans</i> ?. <i>Zeitschrift Fur Gerontologie Und Geriatrie</i> , 2013, 46, 623-628.	1.8	23
33	Antioxidant and Anti-Inflammaging Ability of Prune (<i>Prunus Spinosa</i> L.) Extract Result in Improved Wound Healing Efficacy. <i>Antioxidants</i> , 2021, 10, 374.	5.1	21
34	An automated phenotype-based microscopy screen to identify pro-longevity interventions acting through mitochondria in <i>C. elegans</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1469-1478.	1.0	16
35	Mitochondrial bioenergetic changes during development as an indicator of <i>C. elegans</i> health-span. <i>Aging</i> , 2019, 11, 6535-6554.	3.1	16
36	<i>C. elegans</i> as a model for Friedreich Ataxia. <i>FASEB Journal</i> , 2006, 20, 1029-1030.	0.5	15

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37	Mitophagy and iron: two actors sharing the stage in age-associated neuronal pathologies. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111252.	4.6	15
38	Mitochondrial autophagy promotes healthy aging. <i>Cell Cycle</i> , 2016, 15, 1805-1806.	2.6	13
39	Dietary and environmental factors have opposite AhR-dependent effects on <i>C. elegans</i> healthspan. <i>Aging</i> , 2021, 13, 104-133.	3.1	12
40	AHR Signaling Dampens Inflammatory Signature in Neonatal Skin $\hat{3}$ T Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2249.	4.1	11
41	Neuroigin-mediated neurodevelopmental defects are induced by mitochondrial dysfunction and prevented by lutein in <i>C. elegans</i> . <i>Nature Communications</i> , 2022, 13, 2620.	12.8	11
42	Constitutive MAP-kinase activation suppresses germline apoptosis in NTH-1 DNA glycosylase deficient <i>C. elegans</i> . <i>DNA Repair</i> , 2018, 61, 46-55.	2.8	10
43	Long-lived mitochondrial (Mit) mutants of <i>Caenorhabditis elegans</i> utilize a novel metabolism. <i>FASEB Journal</i> , 2010, 24, 4977-4988.	0.5	9
44	High-Content <i>C. elegans</i> Screen Identifies Natural Compounds Impacting Mitochondria-Lipid Homeostasis and Promoting Healthspan. <i>Cells</i> , 2022, 11, 100.	4.1	9
45	<i>Caenorhabditis elegans</i> ATAD-3 modulates mitochondrial iron and heme homeostasis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 389-394.	2.1	8
46	<i>BRCA</i> 1 and <i>BARD</i> 1 mediate apoptotic resistance but not longevity upon mitochondrial stress in <i>Caenorhabditis elegans</i> . <i>EMBO Reports</i> , 2018, 19, .	4.5	8
47	Cisplatin-induced neurotoxicity involves the disruption of serotonergic neurotransmission. <i>Pharmacological Research</i> , 2021, 174, 105921.	7.1	8
48	Mitochondria and metabolic control of the aging process. <i>Experimental Gerontology</i> , 2014, 56, 1-2.	2.8	5
49	Identification of Modulators of the <i>C. elegans</i> Aryl Hydrocarbon Receptor and Characterization of Transcriptomic and Metabolic AhR-1 Profiles. <i>Antioxidants</i> , 2022, 11, 1030.	5.1	5
50	Insights into cisplatin-induced neurotoxicity and mitochondrial dysfunction in <i>Caenorhabditis elegans</i> . <i>DMM Disease Models and Mechanisms</i> , 2022, , .	2.4	3
51	Mitochondrial Longevity Pathways. <i>Healthy Ageing and Longevity</i> , 2017, , 83-108.	0.2	2
52	Aryl Hydrocarbon Receptor-Dependent and -Independent Pathways Mediate Curcumin Anti-Aging Effects. <i>Antioxidants</i> , 2022, 11, 613.	5.1	2
53	Editorial: Advances in Metabolic Mechanisms of Aging and Its Related Diseases. <i>Frontiers in Physiology</i> , 2020, 11, 594974.	2.8	1
54	Targeting the BECN1-BCL2 autophagy regulatory complex to promote longevity. <i>Biotarget</i> , 2018, 2, 16-16.	0.5	0

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55	Inhibition of ATR Reverses a Mitochondrial Respiratory Insufficiency. Cells, 2022, 11, 1731.	4.1	0