Natascia Ventura

List of Publications by Year
in descending order

55 papers	7,260 citations	172386 29 h-index	161767 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). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Relationship Between Mitochondrial Electron Transport Chain Dysfunction, Development, and Life Extension in Caenorhabditis elegans. PLoS Biology, 2007, 5, e259.	2.6	331
3	Iron-Starvation-Induced Mitophagy Mediates Lifespan Extension upon Mitochondrial Stress in C.Âelegans. Current Biology, 2015, 25, 1810-1822.	1.8	188
4	The hallmarks of fibroblast ageing. Mechanisms of Ageing and Development, 2014, 138, 26-44.	2.2	179
5	p53/CEPâ€1 increases or decreases lifespan, depending on level of mitochondrial bioenergetic stress. Aging Cell, 2009, 8, 380-393.	3.0	110
6	In vivo maturation of human frataxin. Human Molecular Genetics, 2007, 16, 1534-1540.	1.4	103
7	The flavonoid 4,4â€²-dimethoxychalcone promotes autophagy-dependent longevity across species. Nature Communications, 2019, 10, 651.	5.8	100
8	Acetylation Suppresses the Proapoptotic Activity of GD3 Ganglioside. Journal of Experimental Medicine, 2002, 196, 1535-1541.	4.2	99
9	Reduced expression of frataxin extends the lifespan of Caenorhabditis elegans. Aging Cell, 2005, 4, 109-112.	3.0	79
10	A Pool of Extramitochondrial Frataxin That Promotes Cell Survival. Journal of Biological Chemistry, 2006, 281, 16750-16756.	1.6	79
11	Long-lived C. elegans Mitochondrial mutants as a model for human mitochondrial-associated diseases. Experimental Gerontology, 2006, 41, 974-991.	1.2	76
12	Long-lived mitochondrial (Mit) mutants of Caenorhabditis elegans utilize a novel metabolism. FASEB Journal, 2010, 24, 4977-4988.	0.2	68
13	Autophagy induction extends lifespan and reduces lipid content in response to frataxin silencing in C. elegans. Experimental Gerontology, 2013, 48, 191-201.	1.2	67
14	The aryl hydrocarbon receptor promotes aging phenotypes across species. Scientific Reports, 2016, 6, 19618.	1.6	67
15	Gut microbiota as a candidate for lifespan extension: an ecological/evolutionary perspective targeted on living organisms as metaorganisms. Biogerontology, 2011, 12, 599-609.	2.0	64
16	Activation of SKN-1 by novel kinases in Caenorhabditis elegans. Free Radical Biology and Medicine, 2007, 43, 1560-1566.	1.3	62
17	Characterization of apoptosis signal transduction pathways in HL-5 cardiomyocytes exposed to ischemia/reperfusion oxidative stress model. Journal of Cellular Physiology, 2003, 195, 27-37.	2.0	60
18	Caspase-Dependent Cleavage of c-Abl Contributes to Apoptosis. Molecular and Cellular Biology, 2003, 23, 2790-2799.	1.1	58

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19	The interplay between mitochondria and autophagy and its role in the aging process. Experimental Gerontology, 2014, 56, 147-153.	1.2	54
20	Preventing the ubiquitinâ€“proteasome-dependent degradation of frataxin, the protein defective in Friedreich's ataxia. Human Molecular Genetics, 2011, 20, 1253-1261.	1.4	51
21	The Aryl Hydrocarbon Receptor (AhR) in the Aging Process: Another Puzzling Role for This Highly Conserved Transcription Factor. Frontiers in Physiology, 2019, 10, 1561.	1.3	50
22	Caenorhabditis elegans mitochondrial mutants as an investigative tool to study human neurodegenerative diseases associated with mitochondrial dysfunction. Biotechnology Journal, 2007, 2, 584-595.	1.8	49
23	Mitochondrial stress extends lifespan in C. elegans through neuronal hormesis. Experimental Gerontology, 2014, 56, 89-98.	1.2	45
24	C. elegans as a model organism for human mitochondrial associated disorders. Mitochondrion, 2016, 30, 117-125.	1.6	44
25	A<i>de novo</i>X;8 translocation creates a<i>PTK2</i>-<i>THOC2</i>gene fusion with<i>THOC2</i>expression knockdown in a patient with psychomotor retardation and congenital cerebellar hypoplasia. Journal of Medical Genetics, 2013, 50, 543-551.	1.5	42
26	Active transcriptomic and proteomic reprogramming in the C. elegans nucleotide excision repair mutant xpa-1. Nucleic Acids Research, 2013, 41, 5368-5381.	6.5	40
27	HDAC inhibition improves autophagic and lysosomal function to prevent loss of subcutaneous fat in a mouse model of Cockayne syndrome. Science Translational Medicine, 2018, 10, .	5.8	37
28	Crosstalk of clock gene expression and autophagy in aging. Aging, 2016, 8, 1876-1895.	1.4	35
29	A role for p53 in mitochondrial stress response control of longevity in C. elegans. Experimental Gerontology, 2010, 45, 550-557.	1.2	34
30	Nanoplastic Toxicity: Insights and Challenges from Experimental Model Systems. Small, 2022, 18, .	5.2	29
31	C. elegans screening strategies to identify pro-longevity interventions. Mechanisms of Ageing and Development, 2016, 157, 60-69.	2.2	25
32	Healthy aging: what can we learn from Caenorhabditis elegans?. Zeitschrift Fur Gerontologie Und Geriatrie, 2013, 46, 623-628.	0.8	23
33	Antioxidant and Anti-Inflammaging Ability of Prune (Prunus Spinosa L.) Extract Result in Improved Wound Healing Efficacy. Antioxidants, 2021, 10, 374.	2.2	21
34	An automated phenotype-based microscopy screen to identify pro-longevity interventions acting through mitochondria in C. elegans. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1469-1478.	0.5	16
35	Mitochondrial bioenergetic changes during development as an indicator of C. elegans health-span. Aging, 2019, 11, 6535-6554.	1.4	16
36	C. elegans as a model for Friedreich Ataxia. FASEB Journal, 2006, 20, 1029-1030.	0.2	15

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37	Mitophagy and iron: two actors sharing the stage in age-associated neuronal pathologies. Mechanisms of Ageing and Development, 2020, 188, 111252.	2.2	15
38	Mitochondrial autophagy promotes healthy aging. Cell Cycle, 2016, 15, 1805-1806.	1.3	13
39	Dietary and environmental factors have opposite AhR-dependent effects on C. elegans healthspan. Aging, 2021, 13, 104-133.	1.4	12
40	AHR Signaling Dampens Inflammatory Signature in Neonatal Skin Î³Î´ T Cells. International Journal of Molecular Sciences, 2020, 21, 2249.	1.8	11
41	Neuroligin-mediated neurodevelopmental defects are induced by mitochondrial dysfunction and prevented by lutein in C. elegans. Nature Communications, 2022, 13, 2620.	5.8	11
42	Constitutive MAP-kinase activation suppresses germline apoptosis in NTH-1 DNA glycosylase deficient C. elegans. DNA Repair, 2018, 61, 46-55.	1.3	10
43	Longâ€lived mitochondrial (Mit) mutants of<i>Caenorhabditis elegans</i>utilize a novel metabolism. FASEB Journal, 2010, 24, 4977-4988.	0.2	9
44	High-Content C. elegans Screen Identifies Natural Compounds Impacting Mitochondria-Lipid Homeostasis and Promoting Healthspan. Cells, 2022, 11, 100.	1.8	9
45	Caenorhabditis elegans ATAD-3 modulates mitochondrial iron and heme homeostasis. Biochemical and Biophysical Research Communications, 2015, 467, 389-394.	1.0	8
46	<scp>BRCA</scp> 1 and <scp>BARD</scp> 1 mediate apoptotic resistance but not longevity upon mitochondrial stress in <i>Caenorhabditis elegans</i>. EMBO Reports, 2018, 19, .	2.0	8
47	Cisplatin-induced neurotoxicity involves the disruption of serotonergic neurotransmission. Pharmacological Research, 2021, 174, 105921.	3.1	8
48	Mitochondria and metabolic control of the aging process. Experimental Gerontology, 2014, 56, 1-2.	1.2	5
49	Identification of Modulators of the C.Âelegans Aryl Hydrocarbon Receptor and Characterization of Transcriptomic and Metabolic AhR-1 Profiles. Antioxidants, 2022, 11, 1030.	2.2	5
50	Insights into cisplatin-induced neurotoxicity and mitochondrial dysfunction in <i>Caenorhabditis elegans</i>. DMM Disease Models and Mechanisms, 2022, , .	1.2	3
51	Mitochondrial Longevity Pathways. Healthy Ageing and Longevity, 2017, , 83-108.	0.2	2
52	Aryl Hydrocarbon Receptor-Dependent and -Independent Pathways Mediate Curcumin Anti-Aging Effects. Antioxidants, 2022, 11, 613.	2.2	2
53	Editorial: Advances in Metabolic Mechanisms of Aging and Its Related Diseases. Frontiers in Physiology, 2020, 11, 594974.	1.3	1
54	Targeting the BECN1-BCL2 autophagy regulatory complex to promote longevity. Biotarget, 2018, 2, 16-16.	0.5	0

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55	Inhibition of ATR Reverses a Mitochondrial Respiratory Insufficiency. Cells, 2022, 11, 1731.	1.8	0