

# Marta Artal-Sanz

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

2,862  
citations

361296

20  
h-index

414303

32  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prohibitins act as a membrane-bound chaperone for the stabilization of mitochondrial proteins. EMBO Journal, 2000, 19, 2444-2451.	3.5	467
2	Metabolic labeling of <i>C. elegans</i> and <i>D. melanogaster</i> for quantitative proteomics. Nature Biotechnology, 2003, 21, 927-931.	9.4	391
3	The mitochondrial PHB complex: roles in mitochondrial respiratory complex assembly, ageing and degenerative disease. Cellular and Molecular Life Sciences, 2002, 59, 143-155.	2.4	272
4	Prohibitin and mitochondrial biology. Trends in Endocrinology and Metabolism, 2009, 20, 394-401.	3.1	244
5	The Mitochondrial Prohibitin Complex Is Essential for Embryonic Viability and Germline Function in <i>Caenorhabditis elegans</i> . Journal of Biological Chemistry, 2003, 278, 32091-32099.	1.6	184
6	Prohibitin couples diapause signalling to mitochondrial metabolism during ageing in <i>C. elegans</i> . Nature, 2009, 461, 793-797.	13.7	183
7	A structure for the yeast prohibitin complex: Structure prediction and evidence from chemical crosslinking and mass spectrometry. Protein Science, 2009, 11, 2471-2478.	3.1	151
8	<i>Caenorhabditis elegans</i> : A versatile platform for drug discovery. Biotechnology Journal, 2006, 1, 1405-1418.	1.8	142
9	Proteolytic mechanisms in necrotic cell death and neurodegeneration. FEBS Letters, 2005, 579, 3287-3296.	1.3	119
10	Lysosomal biogenesis and function is critical for necrotic cell death in <i>Caenorhabditis elegans</i> . Journal of Cell Biology, 2006, 173, 231-239.	2.3	97
11	Mitochondrial assembly in yeast. FEBS Letters, 1999, 452, 57-60.	1.3	69
12	Shy1p occurs in a high molecular weight complex and is required for efficient assembly of cytochrome c oxidase in yeast. FEBS Letters, 2001, 498, 46-51.	1.3	63
13	Mitochondrial Quality Control Mechanisms and the PHB (Prohibitin) Complex. Cells, 2018, 7, 238.	1.8	59
14	A High-Throughput Method for the Analysis of Larval Developmental Phenotypes in <i>Caenorhabditis elegans</i> . Genetics, 2015, 201, 443-448.	1.2	48
15	A Delicate Balance between Bacterial Iron and Reactive Oxygen Species Supports Optimal <i>C. elegans</i> Development. Cell Host and Microbe, 2019, 26, 400-411.e3.	5.1	43
16	Prohibitin-Mediated Lifespan and Mitochondrial Stress Implicate SGK-1, Insulin/IGF and mTORC2 in <i>C. elegans</i> . PLoS ONE, 2014, 9, e107671.	1.1	36
17	An automated method for the analysis of food intake behaviour in <i>Caenorhabditis elegans</i> . Scientific Reports, 2018, 8, 3633.	1.6	29
18	Nuclear Organization in Stress and Aging. Cells, 2019, 8, 664.	1.8	28

#	ARTICLE	IF	CITATIONS
19	Steroid hormones sulfatase inactivation extends lifespan and ameliorates age-related diseases. <i>Nature Communications</i> , 2021, 12, 49.	5.8	27
20	The plant hormone kinetin in disease therapy and healthy aging. <i>Ageing Research Reviews</i> , 2019, 55, 100958.	5.0	24
21	Analysis of the effect of the mitochondrial prohibitin complex, a context-dependent modulator of longevity, on the <i>C. elegans</i> metabolome. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1457-1468.	0.5	22
22	Opposing function of mitochondrial prohibitin in aging. <i>Aging</i> , 2010, 2, 1004-1011.	1.4	21
23	Mechanisms of aging and energy metabolism in <i>Caenorhabditis elegans</i> . <i>IUBMB Life</i> , 2008, 60, 315-322.	1.5	19
24	Purine Homeostasis Is Necessary for Developmental Timing, Germline Maintenance and Muscle Integrity in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2019, 211, 1297-1313.	1.2	19
25	Prolonged quiescence delays somatic stem cell-like divisions in <i>Caenorhabditis elegans</i> and is controlled by insulin signaling. <i>Aging Cell</i> , 2020, 19, e13085.	3.0	19
26	Combined flow cytometry and high-throughput image analysis for the study of essential genes in <i>Caenorhabditis elegans</i> . <i>BMC Biology</i> , 2018, 16, 36.	1.7	18
27	Prohibitin depletion extends lifespan of a TORC2/SCK $\epsilon$ 1 mutant through autophagy and the mitochondrial UPR. <i>Aging Cell</i> , 2021, 20, e13359.	3.0	17
28	The Mitochondrial Prohibitin (PHB) Complex in <i>C. elegans</i> Metabolism and Ageing Regulation. <i>Metabolites</i> , 2021, 11, 636.	1.3	8
29	Social Chemical Communication Determines Recovery From L1 Arrest via DAF-16 Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 588686.	1.8	6
30	Fluorizoline-induced apoptosis requires prohibitins in nematodes and human cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2021, 26, 83-95.	2.2	6
31	The Mitochondrial PHB Complex Determines Lipid Composition and Interacts With the Endoplasmic Reticulum to Regulate Ageing. <i>Frontiers in Physiology</i> , 2021, 12, 696275.	1.3	5
32	Aging: Invertebrate Models of Normal Brain Aging. , 2009, , 211-218.		0
33	2 Common Aging Mechanisms: Energy Metabolism and Longevity in <i>Caenorhabditis elegans</i> . , 2009, , 21-32.		0
34	The Mitochondrial Phb Complex Determines Lipid Composition Interacting with the ER to Regulate Ageing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0