Filipe Cabreiro

List of Publications by Year
in descending order

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34 papers	3,703 citations	279701 23 h-index	360920 35 g-index
37 all docs	37 docs citations	37 times ranked	5964 citing authors

#	Article	IF	Citations
1	Metformin Retards Aging in C.Âelegans by Altering Microbial Folate and Methionine Metabolism. Cell, 2013, 153, 228-239.	13.5	811
2	Absence of effects of Sir2 overexpression on lifespan in C. elegans and Drosophila. Nature, 2011, 477, 482-485.	13.7	574
3	Measurement of H2O2 within Living Drosophila during Aging Using a Ratiometric Mass Spectrometry Probe Targeted to the Mitochondrial Matrix. Cell Metabolism, 2011, 13, 340-350.	7.2	267
4	Repurposing metformin: an old drug with new tricks in its binding pockets. Biochemical Journal, 2015, 471, 307-322.	1.7	224
5	Host-Microbe Co-metabolism Dictates Cancer Drug Efficacy in C.Âelegans. Cell, 2017, 169, 442-456.e18.	13.5	198
6	Host-Microbe-Drug-Nutrient Screen Identifies Bacterial Effectors of Metformin Therapy. Cell, 2019, 178, 1299-1312.e29.	13.5	186
7	Worms need microbes too: microbiota, health and aging in Caenorhabditis elegans. EMBO Molecular Medicine, 2013, 5, 1300-1310.	3.3	170
8	Bioaccumulation of therapeutic drugs by human gut bacteria. Nature, 2021, 597, 533-538.	13.7	159
9	The Microbiome and Aging. Annual Review of Genetics, 2019, 53, 239-261.	3.2	127
10	Anthranilate Fluorescence Marks a Calcium-Propagated Necrotic Wave That Promotes Organismal Death in C. elegans. PLoS Biology, 2013, 11, e1001613.	2.6	123
11	Increased life span from overexpression of superoxide dismutase in Caenorhabditis elegans is not caused by decreased oxidative damage. Free Radical Biology and Medicine, 2011, 51, 1575-1582.	1.3	122
12	Methionine Sulfoxide Reductases: Relevance to Aging and Protection against Oxidative Stress. Annals of the New York Academy of Sciences, 2006, 1067, 37-44.	1.8	106
13	Overexpression of Mitochondrial Methionine Sulfoxide Reductase B2 Protects Leukemia Cells from Oxidative Stress-induced Cell Death and Protein Damage. Journal of Biological Chemistry, 2008, 283, 16673-16681.	1.6	83
14	Increased fidelity of protein synthesis extends lifespan. Cell Metabolism, 2021, 33, 2288-2300.e12.	7.2	66
15	Manipulation of in vivo iron levels can alter resistance to oxidative stress without affecting ageing in the nematode C. elegans. Mechanisms of Ageing and Development, 2012, 133, 282-290.	2.2	48
16	Metformin Joins Forces with Microbes. Cell Host and Microbe, 2016, 19, 1-3.	5.1	48
17	Run-on of germline apoptosis promotes gonad senescence inC. elegans. Oncotarget, 2016, 7, 39082-39096.	0.8	46
18	Fine-tuning autophagy maximises lifespan and is associated with changes in mitochondrial gene expression in Drosophila. PLoS Genetics, 2020, 16, e1009083.	1.5	43

#	Article	IF	Citations
19	The Role of the Microbiome in Drug Response. Annual Review of Pharmacology and Toxicology, 2020, 60, 417-435.	4.2	37
20	Overexpression of Methionine Sulfoxide Reductases A and B2 Protects MOLT-4 Cells Against Zinc-Induced Oxidative Stress. Antioxidants and Redox Signaling, 2009, 11, 215-226.	2.5	35
21	ARDD 2020: from aging mechanisms to interventions. Aging, 2020, 12, 24484-24503.	1.4	32
22	Mechanical properties measured by atomic force microscopy define health biomarkers in ageing C. elegans. Nature Communications, 2020, 11, 1043.	5.8	29
23	Folate metabolite profiling of different cell types and embryos suggests variation in folate one-carbon metabolism, including developmental changes in human embryonic brain. Molecular and Cellular Biochemistry, 2013, 378, 229-236.	1.4	28
24	Reduced oxygen tension results in reduced human T cell proliferation and increased intracellular oxidative damage and susceptibility to apoptosis upon activation. Free Radical Biology and Medicine, 2010, 48, 26-34.	1.3	27
25	Detecting Changes in the Caenorhabditis elegans Intestinal Environment Using an Engineered Bacterial Biosensor. ACS Synthetic Biology, 2019, 8, 2620-2628.	1.9	21
26	Zinc supplementation in the elderly subjects: Effect on oxidized protein degradation and repair systems in peripheral blood lymphocytes. Experimental Gerontology, 2008, 43, 483-487.	1.2	19
27	New labelâ€free automated survival assays reveal unexpected stress resistance patterns during C.Âelegans aging. Aging Cell, 2019, 18, e12998.	3.0	17
28	C. elegans: A biosensor for hostâ€“microbe interactions. Lab Animal, 2021, 50, 127-135.	0.2	11
29	Identification of proteins undergoing expression level modifications in WI-38 SV40 fibroblasts overexpressing methionine sulfoxide reductase A. Biochimie, 2007, 89, 1388-1395.	1.3	10
30	Pharmacology in the age of the holobiont. Current Opinion in Systems Biology, 2018, 10, 34-42.	1.3	6
31	Transcriptome analysis of Caenorhabditis elegans lacking heme peroxidase SKPO-1 reveals an altered response to Enterococcus faecalis. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	4
32	Meeting Report: Aging Research and Drug Discovery. Aging, 2022, 14, 530-543.	1.4	4
33	Treating aging: progress toward dietary restriction mimetics. F1000 Biology Reports, 2010, 2, 76.	4.0	3
34	Microbiome genetics underpins chemotherapy. Oncotarget, 2017, 8, 93303-93304.	0.8	1