David W Walker

List of Publications by Year
in descending order

23	3,431	430442	610482
papers	citations	18 h-index	24 g-index

24	24	24	4640
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Autophagy as a promoter of longevity: insights from model organisms. Nature Reviews Molecular Cell Biology, 2018, 19, 579-593.	16.1	513
2	Intestinal barrier dysfunction links metabolic and inflammatory markers of aging to death in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21528-21533.	3.3	479
3	Distinct Shifts in Microbiota Composition during Drosophila Aging Impair Intestinal Function and Drive Mortality. Cell Reports, 2015, 12, 1656-1667.	2.9	382
4	Modulation of Longevity and Tissue Homeostasis by the Drosophila PGC-1 Homolog. Cell Metabolism, 2011, 14, 623-634.	7.2	369
5	Parkin overexpression during aging reduces proteotoxicity, alters mitochondrial dynamics, and extends lifespan. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8638-8643.	3.3	278
6	AMPK Modulates Tissue and Organismal Aging in a Non-Cell-Autonomous Manner. Cell Reports, 2014, 8, 1767-1780.	2.9	241
7	Promoting Drp1-mediated mitochondrial fission in midlife prolongs healthy lifespan of Drosophila melanogaster. Nature Communications, 2017, 8, 448.	5.8	209
8	Overexpression of a Drosophila Homolog of Apolipoprotein D Leads to Increased Stress Resistance and Extended Lifespan. Current Biology, 2006, 16, 674-679.	1.8	115
9	Mitochondrial "swirls" induced by oxygen stress and in the Drosophila mutant hyperswirl. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10290-10295.	3.3	101
10	Hypersensitivity to oxygen and shortened lifespan in a Drosophila mitochondrial complex II mutant. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16382-16387.	3.3	96
11	Organ-specific mediation of lifespan extension: More than a gut feeling?. Ageing Research Reviews, 2013, 12, 436-444.	5.0	96
12	Tricellular junctions regulate intestinal stem cell behaviour to maintain homeostasis. Nature Cell Biology, 2017, 19, 52-59.	4.6	90
13	Upregulation of the Autophagy Adaptor p62/SQSTM1 Prolongs Health and Lifespan in Middle-Aged Drosophila. Cell Reports, 2019, 28, 1029-1040.e5.	2.9	90
14	Role of gut microbiota in aging-related health decline: insights from invertebrate models. Cellular and Molecular Life Sciences, 2018, 75, 93-101.	2.4	79
15	Rapamycin modulates tissue aging and lifespan independently of the gut microbiota in Drosophila. Scientific Reports, 2019, 9, 7824.	1.6	66
16	The Role of Mitochondria in Drosophila Aging. Experimental Gerontology, 2011, 46, 331-334.	1.2	62
17	Intestinal Snakeskin Limits Microbial Dysbiosis during Aging and Promotes Longevity. IScience, 2018, 9, 229-243.	1.9	55
18	Proteasome Î²5 subunit overexpression improves proteostasis during aging and extends lifespan in Drosophila melanogaster. Scientific Reports, 2019, 9, 3170.	1.6	36

#	Article	IF	Citations
19	The selective autophagy receptor SQSTM1/p62 improves lifespan and proteostasis in an evolutionarily conserved manner. Autophagy, 2020, 16, 772-774.	4.3	20
20	Neuronal induction of BNIP3-mediated mitophagy slows systemic aging in Drosophila. Nature Aging, 2022, 2, 494-507.	5.3	17
21	Keeping it tight: The relationship between bacterial dysbiosis, septate junctions, and the intestinal barrier in Drosophila. Fly, 2018, 12, 34-40.	0.9	14
22	Role of Prohibitins in Aging and Therapeutic Potential Against Age-Related Diseases. Frontiers in Genetics, 2021, 12, 714228.	1.1	10
23	Gut mitochondrial defects drive neurodegeneration. Nature Aging, 2022, 2, 277-279.	5.3	3