William B Mair

List of Publications by Year
in descending order

42 papers	8,034 citations	182225 30 h-index	312153 41 g-index
63 all docs	63 docs citations	63 times ranked	15082 citing authors

#	Article	IF	Citations
1	ATF-4 and hydrogen sulfide signalling mediate longevity in response to inhibition of translation or mTORC1. Nature Communications, 2022, 13, 967.	5.8	40
2	Lysosome lipid signalling from the periphery to neurons regulates longevity. Nature Cell Biology, 2022, 24, 906-916.	4.6	30
3	Alternative splicing in aging and longevity. Human Genetics, 2020, 139, 357-369.	1.8	108
4	<scp>FLN</scp>â€1/filamin is required to anchor the actomyosin cytoskeleton and for global organization of subâ€cellular organelles in a contractile tissue. Cytoskeleton, 2020, 77, 379-398.	1.0	8
5	Atf-6 Regulates Lifespan through ER-Mitochondrial Calcium Homeostasis. Cell Reports, 2020, 32, 108125.	2.9	43
6	Remote but not isolated. Translational Medicine of Aging, 2020, 4, 86-87.	0.6	1
7	Mitochondrial translation and dynamics synergistically extend lifespan in C. elegans through HLH-30. Journal of Cell Biology, 2020, 219, .	2.3	37
8	Metabolic Communication and Healthy Aging: Where Should We Focus Our Energy?. Developmental Cell, 2020, 54, 196-211.	3.1	55
9	Predicting longevity responses to dietary restriction: A stepping stone toward precision geroscience. PLoS Genetics, 2020, 16, e1008833.	1.5	8
10	The next decade of metabolism. Nature Metabolism, 2019, 1, 2-4.	5.1	8
11	Single-Copy Knock-In Loci for Defined Gene Expression inCaenorhabditis elegans. G3: Genes, Genomes, Genetics, 2019, 9, 2195-2198.	0.8	57
12	Causal roles of mitochondrial dynamics in longevity and healthy aging. EMBO Reports, 2019, 20, e48395.	2.0	114
13	Neuronal TORC1 modulates longevity via AMPK and cell nonautonomous regulation of mitochondrial dynamics in C. elegans. ELife, 2019, 8, .	2.8	75
14	Splicing factor 1 modulates dietary restriction and TORC1 pathway longevity in C. elegans. Nature, 2017, 541, 102-106.	13.7	152
15	Mono-unsaturated fatty acids link H3K4me3 modifiers to C. elegans lifespan. Nature, 2017, 544, 185-190.	13.7	245
16	Deregulation of CRTCs in Aging and Age-Related Disease Risk. Trends in Genetics, 2017, 33, 303-321.	2.9	36
17	Dietary Restriction in C. elegans. Healthy Ageing and Longevity, 2017, , 355-391.	0.2	1
18	Dietary Restriction and AMPK Increase Lifespan via Mitochondrial Network and Peroxisome Remodeling. Cell Metabolism, 2017, 26, 884-896.e5.	7.2	265

#	Article	IF	Citations
19	Synthetic Ligands of Cannabinoid Receptors Affect Dauer Formation in the Nematode Caenorhabditis elegans. G3: Genes, Genomes, Genetics, 2016, 6, 1695-1705.	0.8	9
20	SnapShot: Neuronal Regulation of Aging. Cell, 2016, 166, 784-784.e1.	13.5	8
21	AMPK as a Pro-longevity Target. Exs, 2016, 107, 227-256.	1.4	31
22	A Systems Approach to Reverse Engineer Lifespan Extension by Dietary Restriction. Cell Metabolism, 2016, 23, 529-540.	7.2	67
23	Neuronal CRTC-1 Governs Systemic Mitochondrial Metabolism and Lifespan via a Catecholamine Signal. Cell, 2015, 160, 842-855.	13.5	175
24	Hepatic Bmal1 Regulates Rhythmic Mitochondrial Dynamics and Promotes Metabolic Fitness. Cell Metabolism, 2015, 22, 709-720.	7.2	280
25	Endogenous Hydrogen Sulfide Production Is Essential for Dietary Restriction Benefits. Cell, 2015, 160, 132-144.	13.5	449
26	You Are What You Host: Microbiome Modulation of the Aging Process. Cell, 2014, 156, 408-411.	13.5	213
27	Feedback regulation via AMPK and HIF-1 mediates ROS-dependent longevity in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4458-67.	3.3	151
28	AMPK at the Nexus of Energetics and Aging. Cell Metabolism, 2014, 20, 10-25.	7.2	347
29	Tipping the Energy Balance toward Longevity. Cell Metabolism, 2013, 17, 5-6.	7.2	9
30	SIP-ing the Elixir of Youth. Cell, 2011, 146, 859-860.	13.5	0
31	Phosphorylation of ULK1 (hATG1) by AMP-Activated Protein Kinase Connects Energy Sensing to Mitophagy. Science, 2011, 331, 456-461.	6.0	2,107
32	Lifespan extension induced by AMPK and calcineurin is mediated by CRTC-1 and CREB. Nature, 2011, 470, 404-408.	13.7	339
33	Dietary restriction enhances germline stem cell maintenance. Aging Cell, 2010, 9, 916-918.	3.0	43
34	Chromatin-Bound Nuclear Pore Components Regulate Gene Expression in Higher Eukaryotes. Cell, 2010, 140, 372-383.	13.5	399
35	Optimizing Dietary Restriction for Genetic Epistasis Analysis and Gene Discovery in C. elegans. PLoS ONE, 2009, 4, e4535.	1.1	74
36	Aging and Survival: The Genetics of Life Span Extension by Dietary Restriction. Annual Review of Biochemistry, 2008, 77, 727-754.	5.0	552

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37	Dietary restriction, mortality trajectories, risk and damage. Mechanisms of Ageing and Development, 2005, 126, 35-41.	2.2	96
38	Dietary restriction in Drosophila. Mechanisms of Ageing and Development, 2005, 126, 938-950.	2.2	304
39	Calories Do Not Explain Extension of Life Span by Dietary Restriction in Drosophila. PLoS Biology, 2005, 3, e223.	2.6	442
40	Counting the Calories: The Role of Specific Nutrients in Extension of Life Span by Food Restriction. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 549-555.	1.7	73
41	Lifespan extension by dietary restriction in female Drosophila melanogaster is not caused by a reduction in vitellogenesis or ovarian activity. Experimental Gerontology, 2004, 39, 1011-1019.	1.2	85
42	Demography of Dietary Restriction and Death in Drosophila. Science, 2003, 301, 1731-1733.	6.0	480