

William B Mair

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

8,034
citations

159358

30
h-index

276539

41
g-index

63
all docs

63
docs citations

63
times ranked

13677
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorylation of ULK1 (hATG1) by AMP-Activated Protein Kinase Connects Energy Sensing to Mitophagy. <i>Science</i> , 2011, 331, 456-461.	6.0	2,107
2	Ageing and Survival: The Genetics of Life Span Extension by Dietary Restriction. <i>Annual Review of Biochemistry</i> , 2008, 77, 727-754.	5.0	552
3	Demography of Dietary Restriction and Death in <i>Drosophila</i> . <i>Science</i> , 2003, 301, 1731-1733.	6.0	480
4	Endogenous Hydrogen Sulfide Production Is Essential for Dietary Restriction Benefits. <i>Cell</i> , 2015, 160, 132-144.	13.5	449
5	Calories Do Not Explain Extension of Life Span by Dietary Restriction in <i>Drosophila</i> . <i>PLoS Biology</i> , 2005, 3, e223.	2.6	442
6	Chromatin-Bound Nuclear Pore Components Regulate Gene Expression in Higher Eukaryotes. <i>Cell</i> , 2010, 140, 372-383.	13.5	399
7	AMPK at the Nexus of Energetics and Aging. <i>Cell Metabolism</i> , 2014, 20, 10-25.	7.2	347
8	Lifespan extension induced by AMPK and calcineurin is mediated by CRTC-1 and CREB. <i>Nature</i> , 2011, 470, 404-408.	13.7	339
9	Dietary restriction in <i>Drosophila</i> . <i>Mechanisms of Ageing and Development</i> , 2005, 126, 938-950.	2.2	304
10	Hepatic Bmal1 Regulates Rhythmic Mitochondrial Dynamics and Promotes Metabolic Fitness. <i>Cell Metabolism</i> , 2015, 22, 709-720.	7.2	280
11	Dietary Restriction and AMPK Increase Lifespan via Mitochondrial Network and Peroxisome Remodeling. <i>Cell Metabolism</i> , 2017, 26, 884-896.e5.	7.2	265
12	Mono-unsaturated fatty acids link H3K4me3 modifiers to <i>C. elegans</i> lifespan. <i>Nature</i> , 2017, 544, 185-190.	13.7	245
13	You Are What You Host: Microbiome Modulation of the Aging Process. <i>Cell</i> , 2014, 156, 408-411.	13.5	213
14	Neuronal CRTC-1 Governs Systemic Mitochondrial Metabolism and Lifespan via a Catecholamine Signal. <i>Cell</i> , 2015, 160, 842-855.	13.5	175
15	Splicing factor 1 modulates dietary restriction and TORC1 pathway longevity in <i>C. elegans</i> . <i>Nature</i> , 2017, 541, 102-106.	13.7	152
16	Feedback regulation via AMPK and HIF-1 mediates ROS-dependent longevity in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4458-67.	3.3	151
17	Causal roles of mitochondrial dynamics in longevity and healthy aging. <i>EMBO Reports</i> , 2019, 20, e48395.	2.0	114
18	Alternative splicing in aging and longevity. <i>Human Genetics</i> , 2020, 139, 357-369.	1.8	108

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19	Dietary restriction, mortality trajectories, risk and damage. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 35-41.	2.2	96
20	Lifespan extension by dietary restriction in female <i>Drosophila melanogaster</i> is not caused by a reduction in vitellogenesis or ovarian activity. <i>Experimental Gerontology</i> , 2004, 39, 1011-1019.	1.2	85
21	Neuronal TORC1 modulates longevity via AMPK and cell nonautonomous regulation of mitochondrial dynamics in <i>C. elegans</i> . <i>ELife</i> , 2019, 8, .	2.8	75
22	Optimizing Dietary Restriction for Genetic Epistasis Analysis and Gene Discovery in <i>C. elegans</i> . <i>PLoS ONE</i> , 2009, 4, e4535.	1.1	74
23	Counting the Calories: The Role of Specific Nutrients in Extension of Life Span by Food Restriction. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 549-555.	1.7	73
24	A Systems Approach to Reverse Engineer Lifespan Extension by Dietary Restriction. <i>Cell Metabolism</i> , 2016, 23, 529-540.	7.2	67
25	Single-Copy Knock-In Loci for Defined Gene Expression in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2195-2198.	0.8	57
26	Metabolic Communication and Healthy Aging: Where Should We Focus Our Energy?. <i>Developmental Cell</i> , 2020, 54, 196-211.	3.1	55
27	Dietary restriction enhances germline stem cell maintenance. <i>Aging Cell</i> , 2010, 9, 916-918.	3.0	43
28	Atf-6 Regulates Lifespan through ER-Mitochondrial Calcium Homeostasis. <i>Cell Reports</i> , 2020, 32, 108125.	2.9	43
29	ATF-4 and hydrogen sulfide signalling mediate longevity in response to inhibition of translation or mTORC1. <i>Nature Communications</i> , 2022, 13, 967.	5.8	40
30	Mitochondrial translation and dynamics synergistically extend lifespan in <i>C. elegans</i> through HLH-30. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	37
31	Deregulation of CRTCs in Aging and Age-Related Disease Risk. <i>Trends in Genetics</i> , 2017, 33, 303-321.	2.9	36
32	AMPK as a Pro-longevity Target. <i>Exs</i> , 2016, 107, 227-256.	1.4	31
33	Lysosome lipid signalling from the periphery to neurons regulates longevity. <i>Nature Cell Biology</i> , 2022, 24, 906-916.	4.6	30
34	Tipping the Energy Balance toward Longevity. <i>Cell Metabolism</i> , 2013, 17, 5-6.	7.2	9
35	Synthetic Ligands of Cannabinoid Receptors Affect Dauer Formation in the Nematode <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1695-1705.	0.8	9
36	SnapShot: Neuronal Regulation of Aging. <i>Cell</i> , 2016, 166, 784-784.e1.	13.5	8

#	ARTICLE	IF	CITATIONS
37	The next decade of metabolism. <i>Nature Metabolism</i> , 2019, 1, 2-4.	5.1	8
38	<scp>FLN</scp> filamin is required to anchor the actomyosin cytoskeleton and for global organization of subcellular organelles in a contractile tissue. <i>Cytoskeleton</i> , 2020, 77, 379-398.	1.0	8
39	Predicting longevity responses to dietary restriction: A stepping stone toward precision geroscience. <i>PLoS Genetics</i> , 2020, 16, e1008833.	1.5	8
40	Dietary Restriction in <i>C. elegans</i> . <i>Healthy Ageing and Longevity</i> , 2017, , 355-391.	0.2	1
41	Remote but not isolated. <i>Translational Medicine of Aging</i> , 2020, 4, 86-87.	0.6	1
42	SIP-ing the Elixir of Youth. <i>Cell</i> , 2011, 146, 859-860.	13.5	0