# William B Mair

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2711293/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 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 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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 |