# Rafael de Cabo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4001812/publications.pdf

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|---|---|---|---|
| 354 papers | 45,160 citations | 2093 100 h-index | 2233 201 g-index |
| 375 all docs | 375 docs citations | 375 times ranked | 45020 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Resveratrol improves health and survival of mice on a high-calorie diet. Nature, 2006, 444, 337-342. | 13.7 | 3,882 |
| 2 | Calorie Restriction Promotes Mammalian Cell Survival by Inducing the SIRT1 Deacetylase. Science, 2004, 305, 390-392. | 6.0 | 1,784 |
| 3 | Suppression of Oxidative Stress by Î²-Hydroxybutyrate, an Endogenous Histone Deacetylase Inhibitor. Science, 2013, 339, 211-214. | 6.0 | 1,264 |
| 4 | SIRT1 Is Required for AMPK Activation and the Beneficial Effects of Resveratrol on Mitochondrial Function. Cell Metabolism, 2012, 15, 675-690. | 7.2 | 1,251 |
| 5 | Declining NAD+ Induces a Pseudohypoxic State Disrupting Nuclear-Mitochondrial Communication during Aging. Cell, 2013, 155, 1624-1638. | 13.5 | 1,134 |
| 6 | Metformin improves healthspan and lifespan in mice. Nature Communications, 2013, 4, 2192. | 5.8 | 1,118 |
| 7 | Resveratrol Delays Age-Related Deterioration and Mimics Transcriptional Aspects of Dietary Restriction without Extending Life Span. Cell Metabolism, 2008, 8, 157-168. | 7.2 | 1,060 |
| 8 | Impact of caloric restriction on health and survival in rhesus monkeys from the NIA study. Nature, 2012, 489, 318-321. | 13.7 | 973 |
| 9 | Effects of Intermittent Fasting on Health, Aging, and Disease. New England Journal of Medicine, 2019, 381, 2541-2551. | 13.9 | 864 |
| 10 | Nutrient-Sensitive Mitochondrial NAD+ Levels Dictate Cell Survival. Cell, 2007, 130, 1095-1107. | 13.5 | 855 |
| 11 | Rapamycin, But Not Resveratrol or Simvastatin, Extends Life Span of Genetically Heterogeneous Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 191-201. | 1.7 | 774 |
| 12 | Caloric restriction improves health and survival of rhesus monkeys. Nature Communications, 2017, 8, 14063. | 5.8 | 626 |
| 13 | Growth Hormone Receptor Deficiency Is Associated with a Major Reduction in Pro-Aging Signaling, Cancer, and Diabetes in Humans. Science Translational Medicine, 2011, 3, 70ra13. | 5.8 | 612 |
| 14 | Calorie restriction induces mitochondrial biogenesis and bioenergetic efficiency. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1768-1773. | 3.3 | 601 |
| 15 | Intermittent fasting dissociates beneficial effects of dietary restriction on glucose metabolism and neuronal resistance to injury from calorie intake. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6216-6220. | 3.3 | 599 |
| 16 | Fasting Cycles Retard Growth of Tumors and Sensitize a Range of Cancer Cell Types to Chemotherapy. Science Translational Medicine, 2012, 4, 124ra27. | 5.8 | 531 |
| 17 | The SIRT1 Deacetylase Suppresses Intestinal Tumorigenesis and Colon Cancer Growth. PLoS ONE, 2008, 3, e2020. | 1.1 | 516 |
| 18 | Interventions to Slow Aging in Humans: Are We Ready?. Aging Cell, 2015, 14, 497-510. | 3.0 | 481 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Mitochondrial-Derived Peptide MOTS-c Promotes Metabolic Homeostasis and Reduces Obesity and Insulin Resistance. Cell Metabolism, 2015, 21, 443-454. | 7.2 | 464 |
| 20 | Resveratrol confers endothelial protection via activation of the antioxidant transcription factor Nrf2. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H18-H24. | 1.5 | 457 |
| 21 | SIRT1 Is Essential for Normal Cognitive Function and Synaptic Plasticity. Journal of Neuroscience, 2010, 30, 9695-9707. | 1.7 | 452 |
| 22 | Mechanisms of Vascular Aging: New Perspectives. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 1028-1041. | 1.7 | 429 |
| 23 | Resveratrol induces mitochondrial biogenesis in endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H13-H20. | 1.5 | 378 |
| 24 | Calorie restriction mimetics: an emerging research field. Aging Cell, 2006, 5, 97-108. | 3.0 | 372 |
| 25 | Measuring biological aging in humans: A quest. Aging Cell, 2020, 19, e13080. | 3.0 | 364 |
| 26 | Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. Cell Metabolism, 2016, 23, 1093-1112. | 7.2 | 360 |
| 27 | The SIRT1 Activator SRT1720 Extends Lifespan and Improves Health of Mice Fed a Standard Diet. Cell Reports, 2014, 6, 836-843. | 2.9 | 342 |
| 28 | Are sirtuins viable targets for improving healthspan and lifespan?. Nature Reviews Drug Discovery, 2012, 11, 443-461. | 21.5 | 339 |
| 29 | A time to fast. Science, 2018, 362, 770-775. | 6.0 | 339 |
| 30 | Mitochondrial biogenesis and healthy aging. Experimental Gerontology, 2008, 43, 813-819. | 1.2 | 315 |
| 31 | A High-Fat Diet and NAD + Activate Sirt1 to Rescue Premature Aging in Cockayne Syndrome. Cell Metabolism, 2014, 20, 840-855. | 7.2 | 306 |
| 32 | The Search for Antiaging Interventions: From Elixirs to Fasting Regimens. Cell, 2014, 157, 1515-1526. | 13.5 | 302 |
| 33 | Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. Cell Metabolism, 2016, 23, 1078-1092. | 7.2 | 302 |
| 34 | Fasting-Mimicking Diet Reduces HO-1 to Promote TÂCell-Mediated Tumor Cytotoxicity. Cancer Cell, 2016, 30, 136-146. | 7.7 | 289 |
| 35 | Increased Mammalian Lifespan and a Segmental and Tissue-Specific Slowing of Aging after Genetic Reduction of mTOR Expression. Cell Reports, 2013, 4, 913-920. | 2.9 | 278 |
| 36 | Dietary deprivation extends lifespan in Caenorhabditis elegans. Aging Cell, 2006, 5, 515-524. | 3.0 | 261 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. Cell Metabolism, 2019, 30, 462-476.e6. | 7.2 | 256 |
| 38 | Of mice and men: The benefits of caloric restriction, exercise, and mimetics. Ageing Research Reviews, 2012, 11, 390-398. | 5.0 | 254 |
| 39 | SRT1720 improves survival and healthspan of obese mice. Scientific Reports, 2011, 1, 70. | 1.6 | 249 |
| 40 | Vasoprotective effects of resveratrol and SIRT1: attenuation of cigarette smoke-induced oxidative stress and proinflammatory phenotypic alterations. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2721-H2735. | 1.5 | 246 |
| 41 | Calorie restriction up-regulates the plasma membrane redox system in brain cells and suppresses oxidative stress during aging. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19908-19912. | 3.3 | 243 |
| 42 | Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. Cell Metabolism, 2018, 27, 667-676.e4. | 7.2 | 242 |
| 43 | Reduced Expression of MYC Increases Longevity and Enhances Healthspan. Cell, 2015, 160, 477-488. | 13.5 | 238 |
| 44 | Animal Models of Aging Research: Implications for Human Aging and Age-Related Diseases. Annual Review of Animal Biosciences, 2015, 3, 283-303. | 3.6 | 233 |
| 45 | Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. Cell Metabolism, 2012, 15, 361-371. | 7.2 | 231 |
| 46 | The Neuromuscular Junction: Aging at the Crossroad between Nerves and Muscle. Frontiers in Aging Neuroscience, 2014, 6, 208. | 1.7 | 230 |
| 47 | Vascular oxidative stress in aging: a homeostatic failure due to dysregulation of NRF2-mediated antioxidant response. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H363-H372. | 1.5 | 229 |
| 48 | JNK1 Phosphorylates SIRT1 and Promotes Its Enzymatic Activity. PLoS ONE, 2009, 4, e8414. | 1.1 | 221 |
| 49 | Anti-oxidative and anti-inflammatory vasoprotective effects of caloric restriction in aging: Role of circulating factors and SIRT1. Mechanisms of Ageing and Development, 2009, 130, 518-527. | 2.2 | 221 |
| 50 | Mechanisms Underlying Caloric Restriction and Lifespan Regulation. Circulation Research, 2008, 102, 519-528. | 2.0 | 219 |
| 51 | Genome-wide identification of microRNAs regulating cholesterol and triglyceride homeostasis. Nature Medicine, 2015, 21, 1290-1297. | 15.2 | 214 |
| 52 | Resveratrol Improves Adipose Insulin Signaling and Reduces the Inflammatory Response in Adipose Tissue of Rhesus Monkeys on High-Fat, High-Sugar Diet. Cell Metabolism, 2013, 18, 533-545. | 7.2 | 212 |
| 53 | Daily Fasting Improves Health and Survival in Male Mice Independent of Diet Composition and Calories. Cell Metabolism, 2019, 29, 221-228.e3. | 7.2 | 210 |
| 54 | Calorie restriction in humans inhibits the <scp>PI</scp>3<scp>K</scp>/<scp>AKT</scp> pathway and induces a younger transcription profile. Aging Cell, 2013, 12, 645-651. | 3.0 | 208 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | <scp>SRT</scp> 2104 extends survival of male mice on a standard diet and preserves bone and muscle mass. Aging Cell, 2014, 13, 787-796. | 3.0 | 208 |
| 56 | Nrf2 mediates cancer protection but not prolongevity induced by caloric restriction. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2325-2330. | 3.3 | 207 |
| 57 | MicroRNA-148a regulates LDL receptor and ABCA1 expression to control circulating lipoprotein levels. Nature Medicine, 2015, 21, 1280-1289. | 15.2 | 203 |
| 58 | Reconsidering the Role of Mitochondria in Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1334-1342. | 1.7 | 196 |
| 59 | Age-Associated Vascular Oxidative Stress, Nrf2 Dysfunction, and NF-ÂB Activation in the Nonhuman Primate Macaca mulatta. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 866-875. | 1.7 | 194 |
| 60 | Deletion of the Mammalian INDY Homolog Mimics Aspects of Dietary Restriction and Protects against Adiposity and Insulin Resistance in Mice. Cell Metabolism, 2011, 14, 184-195. | 7.2 | 193 |
| 61 | Resveratrol supplementation: Where are we now and where should we go?. Ageing Research Reviews, 2015, 21, 1-15. | 5.0 | 193 |
| 62 | Development of Calorie Restriction Mimetics as a Prolongevity Strategy. Annals of the New York Academy of Sciences, 2004, 1019, 412-423. | 1.8 | 191 |
| 63 | FOXOs attenuate bone formation by suppressing Wnt signaling. Journal of Clinical Investigation, 2013, 123, 3409-3419. | 3.9 | 190 |
| 64 | Resveratrol Prevents High Fat/Sucrose Diet-Induced Central Arterial Wall Inflammation and Stiffening in Nonhuman Primates. Cell Metabolism, 2014, 20, 183-190. | 7.2 | 186 |
| 65 | Resveratrol Prevents Monocrotaline-Induced Pulmonary Hypertension in Rats. Hypertension, 2009, 54, 668-675. | 1.3 | 184 |
| 66 | Evaluation of Resveratrol, Green Tea Extract, Curcumin, Oxaloacetic Acid, and Medium-Chain Triglyceride Oil on Life Span of Genetically Heterogeneous Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 6-16. | 1.7 | 182 |
| 67 | Cockayne syndrome group B protein prevents the accumulation of damaged mitochondria by promoting mitochondrial autophagy. Journal of Experimental Medicine, 2012, 209, 855-869. | 4.2 | 177 |
| 68 | HuR and GRSF1 modulate the nuclear export and mitochondrial localization of the lncRNA RMRP. Genes and Development, 2016, 30, 1224-1239. | 2.7 | 176 |
| 69 | Calorie restriction attenuates Alzheimer's disease type brain amyloidosis in Squirrel monkeys (Saimiri) Tj ETQq1 1 0.784314 rgBT /Ove | 1.2 | 172 |
| 70 | Dietary Protein to Carbohydrate Ratio and Caloric Restriction: Comparing Metabolic Outcomes in Mice. Cell Reports, 2015, 11, 1529-1534. | 2.9 | 169 |
| 71 | Mitochondrial UCP4 Mediates an Adaptive Shift in Energy Metabolism and Increases the Resistance of Neurons to Metabolic and Oxidative Stress. NeuroMolecular Medicine, 2006, 8, 389-414. | 1.8 | 167 |
| 72 | The impact of low-protein high-carbohydrate diets on aging and lifespan. Cellular and Molecular Life Sciences, 2016, 73, 1237-1252. | 2.4 | 164 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Circulating adiponectin levels increase in rats on caloric restriction: the potential for insulin sensitization. Experimental Gerontology, 2004, 39, 1049-1059. | 1.2 | 157 |
| 74 | Regulation of SIRT6 protein levels by nutrient availability. FEBS Letters, 2008, 582, 543-548. | 1.3 | 153 |
| 75 | Metforminâ€mediated increase in DICER1 regulates microRNA expression and cellular senescence. Aging Cell, 2016, 15, 572-581. | 3.0 | 153 |
| 76 | Ubiquitin-mediated proteolysis of HuR by heat shock. EMBO Journal, 2009, 28, 1271-1282. | 3.5 | 150 |
| 77 | Mode of action of bullatacin, a potent antitumor acetogenin: Inhibition of NADH oxidase activity of HELA and HL-60, but not liver, plasma membranes. Life Sciences, 1994, 56, 343-348. | 2.0 | 149 |
| 78 | Old Age and the Hepatic Sinusoid. Anatomical Record, 2008, 291, 672-683. | 0.8 | 144 |
| 79 | The carbohydrate-insulin model: a physiological perspective on the obesity pandemic. American Journal of Clinical Nutrition, 2021, 114, 1873-1885. | 2.2 | 141 |
| 80 | MicroRNA 33 Regulates Glucose Metabolism. Molecular and Cellular Biology, 2013, 33, 2891-2902. | 1.1 | 139 |
| 81 | Adaptive induction of NF-E2-related factor-2-driven antioxidant genes in endothelial cells in response to hyperglycemia. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1133-H1140. | 1.5 | 138 |
| 82 | The importance of plasma membrane coenzyme Q in aging and stress responses. Mitochondrion, 2007, 7, S34-S40. | 1.6 | 136 |
| 83 | Calorie restriction attenuates age-related alterations in the plasma membrane antioxidant system in rat liver. Experimental Gerontology, 2004, 39, 297-304. | 1.2 | 135 |
| 84 | Inhibition of Breast Cancer Metastasis by Resveratrol-Mediated Inactivation of Tumor-Evoked Regulatory B Cells. Journal of Immunology, 2013, 191, 4141-4151. | 0.4 | 132 |
| 85 | A Regulatory Role for MicroRNA 33* in Controlling Lipid Metabolism Gene Expression. Molecular and Cellular Biology, 2013, 33, 2339-2352. | 1.1 | 128 |
| 86 | Disruption of Nrf2 Signaling Impairs Angiogenic Capacity of Endothelial Cells: Implications for Microvascular Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 821-829. | 1.7 | 122 |
| 87 | Resveratrol Prevents Î²-Cell Dedifferentiation in Nonhuman Primates Given a High-Fat/High-Sugar Diet. Diabetes, 2013, 62, 3500-3513. | 0.3 | 122 |
| 88 | Impact of Longevity Interventions on a Validated Mouse Clinical Frailty Index. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 333-339. | 1.7 | 122 |
| 89 | Commensal bacteria contribute to insulin resistance in aging by activating innate B1a cells. Science Translational Medicine, 2018, 10, . | 5.8 | 121 |
| 90 | The plasma membrane redox system in aging. Ageing Research Reviews, 2006, 5, 209-220. | 5.0 | 119 |

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|---|---|---|---|
| 91 | Vitamin E and selenium deficiency induces expression of the ubiquinoneâ€dependent antioxidant system at the plasma membrane. FASEB Journal, 1998, 12, 1665-1673. | 0.2 | 118 |
| 92 | miR-519 suppresses tumor growth by reducing HuR levels. Cell Cycle, 2010, 9, 1354-1359. | 1.3 | 117 |
| 93 | Metformin: A Hopeful Promise in Aging Research. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025932. | 2.9 | 116 |
| 94 | Negative Regulation of STAT3 Protein-mediated Cellular Respiration by SIRT1 Protein. Journal of Biological Chemistry, 2011, 286, 19270-19279. | 1.6 | 115 |
| 95 | NRF2, cancer and calorie restriction. Oncogene, 2011, 30, 505-520. | 2.6 | 115 |
| 96 | Age-induced accumulation of methylmalonic acid promotes tumour progression. Nature, 2020, 585, 283-287. | 13.7 | 115 |
| 97 | Chronic ingestion of 2-deoxy-d-glucose induces cardiac vacuolization and increases mortality in rats. Toxicology and Applied Pharmacology, 2010, 243, 332-339. | 1.3 | 112 |
| 98 | Nrf2 Deficiency Exacerbates Obesity-Induced Oxidative Stress, Neurovascular Dysfunction, Bloodâ€“Brain Barrier Disruption, Neuroinflammation, Amyloidogenic Gene Expression, and Cognitive Decline in Mice, Mimicking the Aging Phenotype. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 853-863. | 1.7 | 111 |
| 99 | A blueberry-enriched diet provides cellular protection against oxidative stress and reduces a kainate-induced learning impairment in rats. Neurobiology of Aging, 2008, 29, 1680-1689. | 1.5 | 110 |
| 100 | Macronutrients and caloric intake in health and longevity. Journal of Endocrinology, 2015, 226, R17-R28. | 1.2 | 110 |
| 101 | Sirtuin1 (Sirt1) Promotes Cortical Bone Formation by Preventing Î²-Catenin Sequestration by FoxO Transcription Factors in Osteoblast Progenitors. Journal of Biological Chemistry, 2014, 289, 24069-24078. | 1.6 | 109 |
| 102 | LKB1 and AMPK regulate synaptic remodeling in old age. Nature Neuroscience, 2014, 17, 1190-1197. | 7.1 | 106 |
| 103 | Branched chain amino acids, aging and age-related health. Ageing Research Reviews, 2020, 64, 101198. | 5.0 | 105 |
| 104 | Circular RNAs in monkey muscle: age-dependent changes. Aging, 2015, 7, 903-910. | 1.4 | 104 |
| 105 | Age-associated miRNA Alterations in Skeletal Muscle from Rhesus Monkeys reversed by caloric restriction. Aging, 2013, 5, 692-703. | 1.4 | 104 |
| 106 | Capsaicin inhibits plasma membrane NADH oxidase and growth of human and mouse melanoma lines. European Journal of Cancer, 1996, 32, 1995-2003. | 1.3 | 103 |
| 107 | An in vitro model of caloric restriction. Experimental Gerontology, 2003, 38, 631-639. | 1.2 | 102 |
| 108 | RAP1 Protects from Obesity through Its Extratelomeric Role Regulating Gene Expression. Cell Reports, 2013, 3, 2059-2074. | 2.9 | 102 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Comparing the Effects of Low-Protein and High-Carbohydrate Diets and Caloric Restriction on Brain Aging in Mice. Cell Reports, 2018, 25, 2234-2243.e6. | 2.9 | 102 |
| 110 | Skeletal muscle exÂvivo mitochondrial respiration parallels decline inÂvivo oxidative capacity, cardiorespiratory fitness, and muscle strength: The Baltimore Longitudinal Study of Aging. Aging Cell, 2018, 17, e12725. | 3.0 | 101 |
| 111 | Mitochondrial Protection by Resveratrol. Exercise and Sport Sciences Reviews, 2011, 39, 128-132. | 1.6 | 99 |
| 112 | The effect of resveratrol on lifespan depends on both gender and dietary nutrient composition in Drosophila melanogaster. Age, 2013, 35, 69-81. | 3.0 | 99 |
| 113 | <scp>SIRT</scp>1 but not its increased expression is essential for lifespan extension in caloricâ€restricted mice. Aging Cell, 2014, 13, 193-196. | 3.0 | 99 |
| 114 | Calorie restriction in rodents: Caveats to consider. Ageing Research Reviews, 2017, 39, 15-28. | 5.0 | 98 |
| 115 | Restoration of energy homeostasis by SIRT6 extends healthy lifespan. Nature Communications, 2021, 12, 3208. | 5.8 | 98 |
| 116 | Maternal Exercise Improves Insulin Sensitivity in Mature Rat Offspring. Medicine and Science in Sports and Exercise, 2013, 45, 832-840. | 0.2 | 95 |
| 117 | Mitochondrial Metabolic Reprogramming Induced by Calorie Restriction. Antioxidants and Redox Signaling, 2013, 19, 310-320. | 2.5 | 94 |
| 118 | Genetic Ablation of miR-33 Increases Food Intake, Enhances Adipose Tissue Expansion, and Promotes Obesity and Insulin Resistance. Cell Reports, 2018, 22, 2133-2145. | 2.9 | 94 |
| 119 | Nutritional strategies to optimise cognitive function in the aging brain. Ageing Research Reviews, 2016, 31, 80-92. | 5.0 | 93 |
| 120 | Dietary Interventions to Extend Life Span and Health Span Based on Calorie Restriction. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 695-703. | 1.7 | 92 |
| 121 | RNA-Binding Protein HuD Controls Insulin Translation. Molecular Cell, 2012, 45, 826-835. | 4.5 | 92 |
| 122 | Perinatal exercise improves glucose homeostasis in adult offspring. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1061-E1068. | 1.8 | 91 |
| 123 | The Effects of Aging and Sex Steroid Deficiency on the Murine Skeleton Are Independent and Mechanistically Distinct. Journal of Bone and Mineral Research, 2017, 32, 560-574. | 3.1 | 91 |
| 124 | HuD Regulates Coding and Noncoding RNA to Induce APPâ†'Aî² Processing. Cell Reports, 2014, 7, 1401-1409. | 2.9 | 90 |
| 125 | The potential for dietary restriction to increase longevity in humans: extrapolation from monkey studies. Biogerontology, 2006, 7, 143-148. | 2.0 | 86 |
| 126 | A roadmap to build a phenotypic metric of ageing: insights from the Baltimore Longitudinal Study of Aging. Journal of Internal Medicine, 2020, 287, 373-394. | 2.7 | 86 |

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|---|---|---|---|
| 127 | Untangling Determinants of Enhanced Health and Lifespan through a Multi-omics Approach in Mice. Cell Metabolism, 2020, 32, 100-116.e4. | 7.2 | 85 |
| 128 | Sirtuin1 Suppresses Osteoclastogenesis by Deacetylating FoxOs. Molecular Endocrinology, 2015, 29, 1498-1509. | 3.7 | 84 |
| 129 | Cognitive and behavioral evaluation of nutritional interventions in rodent models of brain aging and dementia. Clinical Interventions in Aging, 2017, Volume 12, 1419-1428. | 1.3 | 82 |
| 130 | Carbotoxicityâ€"Noxious Effects of Carbohydrates. Cell, 2018, 175, 605-614. | 13.5 | 82 |
| 131 | Dietary activators of Sirt1. Molecular and Cellular Endocrinology, 2009, 299, 58-63. | 1.6 | 81 |
| 132 | A toolbox for the longitudinal assessment of healthspan in aging mice. Nature Protocols, 2020, 15, 540-574. | 5.5 | 81 |
| 133 | Pharmacological Inhibition of PI3K Reduces Adiposity and Metabolic Syndrome in Obese Mice and Rhesus Monkeys. Cell Metabolism, 2015, 21, 558-570. | 7.2 | 79 |
| 134 | Effects of calorie restriction on cardioprotection and cardiovascular health. Journal of Molecular and Cellular Cardiology, 2011, 51, 263-271. | 0.9 | 78 |
| 135 | Oxidative Stress Accumulates in Adipose Tissue during Aging and Inhibits Adipogenesis. PLoS ONE, 2011, 6, e18532. | 1.1 | 77 |
| 136 | Measures of Healthspan as Indices of Aging in Miceâ€"A Recommendation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 427-430. | 1.7 | 76 |
| 137 | The road ahead for health and lifespan interventions. Ageing Research Reviews, 2020, 59, 101037. | 5.0 | 76 |
| 138 | Prolonged metformin treatment leads to reduced transcription of Nrf2 and neurotrophic factors without cognitive impairment in older C57BL/6J mice. Behavioural Brain Research, 2016, 301, 1-9. | 1.2 | 73 |
| 139 | Diverse Roles of Growth Hormone and Insulin-Like Growth Factor-1 in Mammalian Aging: Progress and Controversies. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67A, 587-598. | 1.7 | 72 |
| 140 | AsSIRTing the DNA damage response. Trends in Cell Biology, 2008, 18, 77-83. | 3.6 | 71 |
| 141 | In Vitro Cellular Adaptations of Indicators of Longevity in Response to Treatment with Serum Collected from Humans on Calorie Restricted Diets. PLoS ONE, 2008, 3, e3211. | 1.1 | 68 |
| 142 | Adipogenic signaling in rat white adipose tissue: Modulation by aging and calorie restriction. Experimental Gerontology, 2007, 42, 733-744. | 1.2 | 66 |
| 143 | Hungry for life: How the arcuate nucleus and neuropeptide Y may play a critical role in mediating the benefits of calorie restriction. Molecular and Cellular Endocrinology, 2009, 299, 79-88. | 1.6 | 65 |
| 144 | Pharmacological Strategies to Retard Cardiovascular Aging. Circulation Research, 2016, 118, 1626-1642. | 2.0 | 64 |

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|---|---|---|---|
| 145 | Dietary Restriction: Standing Up for Sirtuins. Science, 2010, 329, 1012-1013. | 6.0 | 63 |
| 146 | Up-regulation of plasma membrane-associated redox activities in neuronal cells lacking functional mitochondria. Journal of Neurochemistry, 2007, 100, 1364-1374. | 2.1 | 61 |
| 147 | Ultrastructure of the liver microcirculation influences hepatic and systemic insulin activity and provides a mechanism for ageâ€related insulin resistance. Aging Cell, 2016, 15, 706-715. | 3.0 | 60 |
| 148 | Effect of Resveratrol on Walking Performance in Older People With Peripheral Artery Disease. JAMA Cardiology, 2017, 2, 902. | 3.0 | 60 |
| 149 | Adverse Geriatric Outcomes Secondary to Polypharmacy in a Mouse Model: The Influence of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 571-577. | 1.7 | 59 |
| 150 | Ceramide-dependent Caspase 3 Activation is Prevented by Coenzyme Q from Plasma Membrane in Serum-deprived Cells. Free Radical Research, 2002, 36, 369-374. | 1.5 | 57 |
| 151 | Cytochrome b5 reductase and the control of lipid metabolism and healthspan. Npj Aging and Mechanisms of Disease, 2016, 2, 16006. | 4.5 | 57 |
| 152 | Daily caloric restriction limits tumor growth more effectively than caloric cycling regardless of dietary composition. Nature Communications, 2021, 12, 6201. | 5.8 | 57 |
| 153 | Bioenergetics of aging and calorie restriction. Ageing Research Reviews, 2006, 5, 125-143. | 5.0 | 56 |
| 154 | Manipulation of caloric content but not diet composition, attenuates the deficit in learning and memory of senescence-accelerated mouse strain P8. Experimental Gerontology, 2008, 43, 339-346. | 1.2 | 55 |
| 155 | The human longevity gene homolog INDY and interleukinâ€6 interact in hepatic lipid metabolism. Hepatology, 2017, 66, 616-630. | 3.6 | 55 |
| 156 | The diet restriction paradigm: a brief review of the effects of every-other-day feeding. Age, 2005, 27, 17-25. | 3.0 | 54 |
| 157 | GH Receptor Deficiency in Ecuadorian Adults Is Associated With Obesity and Enhanced Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2589-2596. | 1.8 | 54 |
| 158 | miR-27b inhibits LDLR and ABCA1 expression but does not influence plasma and hepatic lipid levels in mice. Atherosclerosis, 2015, 243, 499-509. | 0.4 | 53 |
| 159 | Novel RNA-binding activity of MYF5 enhancesCcnd1/Cyclin D1mRNA translation during myogenesis. Nucleic Acids Research, 2016, 44, 2393-2408. | 6.5 | 52 |
| 160 | Estrogens decrease osteoclast number by attenuating mitochondria oxidative phosphorylation and ATP production in early osteoclast precursors. Scientific Reports, 2020, 10, 11933. | 1.6 | 52 |
| 161 | Comparative approaches to facilitate the discovery of prolongevity interventions: Effects of tocopherols on lifespan of three invertebrate species. Mechanisms of Ageing and Development, 2007, 128, 222-226. | 2.2 | 51 |
| 162 | Protective role of ubiquinone in vitamin E and seleniumâ€deficient plasma membranes. BioFactors, 1999, 9, 163-170. | 2.6 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Effect of calorie restriction and refeeding on skin wound healing in the rat. Age, 2012, 34, 1453-1458. | 3.0 | 49 |
| 164 | Health benefits of late-onset metformin treatment every other week in mice. Npj Aging and Mechanisms of Disease, 2017, 3, 16. | 4.5 | 49 |
| 165 | Ageâ€Related Changes in the Liver Sinusoidal Endothelium. Annals of the New York Academy of Sciences, 2007, 1114, 79-87. | 1.8 | 48 |
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