

Rafael de Cabo

List of Publications by Year in descending order

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Version: 2024-02-01

355
papers

45,160
citations

2101

100
h-index

2178

202
g-index

375
all docs

375
docs citations

375
times ranked

45020
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Resveratrol Blunts Mitochondrial Loss in Slow and Mixed Skeletal Muscle Phenotypes of Non-Human Primates following a Long-Term High Fat/Sugar Diet. <i>Journal of Dietary Supplements</i> , 2023, 20, 563-581. | 2.6 | 5 |
| 2 | Can we make drug discovery targeting fundamental mechanisms of aging a reality?. <i>Expert Opinion on Drug Discovery</i> , 2022, 17, 97-100. | 5.0 | 6 |
| 3 | OUP accepted manuscript. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 595-597. | 4.7 | 1 |
| 4 | ATP synthase K ⁺ - and H ⁺ -fluxes drive ATP synthesis and enable mitochondrial K ⁺ -uniporter function: II. Ion and ATP synthase flux regulation. <i>Function</i> , 2022, 3, zqac001. | 2.3 | 20 |
| 5 | Sex- and strain-specific effects of mitochondrial uncoupling on age-related metabolic diseases in high-fat diet-fed mice. <i>Aging Cell</i> , 2022, 21, e13539. | 6.7 | 11 |
| 6 | Preclinical frailty assessments: Phenotype and frailty index identify frailty in different mice and are variably affected by chronic medications. <i>Experimental Gerontology</i> , 2022, 161, 111700. | 2.8 | 8 |
| 7 | ATP Synthase K ⁺ - and H ⁺ -Fluxes Drive ATP Synthesis and Enable Mitochondrial K ⁺ -Uniporter Function: I. Characterization of Ion Fluxes. <i>Function</i> , 2022, 3, zqab065. | 2.3 | 25 |
| 8 | Short-term senolytic treatment: a paradigm to promote fracture repair during aging. <i>Journal of Clinical Investigation</i> , 2022, 132, . | 8.2 | 5 |
| 9 | CYB5R3 overexpression preserves skeletal muscle mitochondria and autophagic signaling in aged transgenic mice. <i>GeroScience</i> , 2022, 44, 2223-2241. | 4.6 | 3 |
| 10 | Serum Concentrations of Losartan Metabolites Correlate With Improved Physical Function in a Pilot Study of Pre frail Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 2356-2366. | 3.6 | 3 |
| 11 | Unraveling Pathways of Health and Lifespan with Integrated Multiomics Approaches. <i>Methods in Molecular Biology</i> , 2022, , 193-218. | 0.9 | 1 |
| 12 | Emergence of heartbeat frailty in advanced age I: perspectives from life-long EKG recordings in adult mice. <i>GeroScience</i> , 2022, 44, 2801-2830. | 4.6 | 8 |
| 13 | Age-dependent impact of two exercise training regimens on genomic and metabolic remodeling in skeletal muscle and liver of male mice. , 2022, 8, . | | 6 |
| 14 | Longitudinal phenotypic aging metrics in the Baltimore Longitudinal Study of Aging. <i>Nature Aging</i> , 2022, 2, 635-643. | 11.6 | 15 |
| 15 | Chronic Polypharmacy with Increasing Drug Burden Index Exacerbates Frailty and Impairs Physical Function, with Effects Attenuated by Deprescribing, in Aged Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1010-1018. | 3.6 | 39 |
| 16 | Study of Longitudinal Aging in Mice: Presentation of Experimental Techniques. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 552-560. | 3.6 | 33 |
| 17 | The longevity gene mIndy (l ^{â€™} m Not Dead, Yet) affects blood pressure through sympathoadrenal mechanisms. <i>JCI Insight</i> , 2021, 6, . | 5.0 | 17 |
| 18 | Chronic Exposure to Cadmium Induces Differential Methylation in Mice Spermatozoa. <i>Toxicological Sciences</i> , 2021, 180, 262-276. | 3.1 | 18 |

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|----|---|------|-----------|
| 19 | Mitochondrial health is enhanced in rats with higher vs. lower intrinsic exercise capacity and extended lifespan. <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 1. | 4.5 | 20 |
| 20 | A redox-mediated conformational change in NQO1 controls binding to microtubules and α -tubulin acetylation. <i>Redox Biology</i> , 2021, 39, 101840. | 9.0 | 19 |
| 21 | Intermittent fasting: from calories to time restriction. <i>GeroScience</i> , 2021, 43, 1083-1092. | 4.6 | 48 |
| 22 | Polypharmacy Results in Functional Impairment in Mice: Novel Insights Into Age and Sex Interactions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1748-1756. | 3.6 | 13 |
| 23 | A cross-sectional study of functional and metabolic changes during aging through the lifespan in male mice. <i>ELife</i> , 2021, 10, . | 6.0 | 47 |
| 24 | Metabolic pathways and therapeutics to promote resilience, rehabilitation and delayed aging. <i>GeroScience</i> , 2021, 43, 1069-1070. | 4.6 | 3 |
| 25 | Restoration of energy homeostasis by SIRT6 extends healthy lifespan. <i>Nature Communications</i> , 2021, 12, 3208. | 12.8 | 98 |
| 26 | Deletion of the diabetes candidate gene <i>Slc16a13</i> in mice attenuates diet-induced ectopic lipid accumulation and insulin resistance. <i>Communications Biology</i> , 2021, 4, 826. | 4.4 | 6 |
| 27 | Empirical versus theoretical power and type I error (false-positive) rates estimated from real murine aging research data. <i>Cell Reports</i> , 2021, 36, 109560. | 6.4 | 7 |
| 28 | Evidence that overnight fasting could extend healthy lifespan. <i>Nature</i> , 2021, 598, 265-266. | 27.8 | 4 |
| 29 | The carbohydrate-insulin model: a physiological perspective on the obesity pandemic. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 1873-1885. | 4.7 | 141 |
| 30 | Fasting blood glucose as a predictor of mortality: Lost in translation. <i>Cell Metabolism</i> , 2021, 33, 2189-2200.e3. | 16.2 | 29 |
| 31 | IDENTIFYING BIOMARKERS FOR BIOLOGICAL AGE: GEROSCIENCE AND THE ICFSR TASK FORCE. <i>Journal of Frailty & Aging</i> , 2021, 10, 1-6. | 1.3 | 18 |
| 32 | Fasting-mimicking diet prevents high-fat diet effect on cardiometabolic risk and lifespan. <i>Nature Metabolism</i> , 2021, 3, 1342-1356. | 11.9 | 34 |
| 33 | Daily caloric restriction limits tumor growth more effectively than caloric cycling regardless of dietary composition. <i>Nature Communications</i> , 2021, 12, 6201. | 12.8 | 57 |
| 34 | Impact of large granular lymphocyte leukemia on blood DNA methylation and epigenetic clock modeling in Fischer 344 rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, , . | 3.6 | 3 |
| 35 | Diet composition influences the metabolic benefits of short cycles of very low caloric intake. <i>Nature Communications</i> , 2021, 12, 6463. | 12.8 | 12 |
| 36 | Aged <i>Nrf2</i> -Null Mice Develop All Major Types of Age-Related Cataracts. , 2021, 62, 10. | | 13 |

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|----|---|------|-----------|
| 37 | Metabolic remodelling of glucose, fatty acid and redox pathways in the heart of type 2 diabetic mice. <i>Journal of Physiology</i> , 2020, 598, 1393-1415. | 2.9 | 34 |
| 38 | Maternally expressed gene 3 in metabolic programming. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194396. | 1.9 | 9 |
| 39 | A toolbox for the longitudinal assessment of healthspan in aging mice. <i>Nature Protocols</i> , 2020, 15, 540-574. | 12.0 | 81 |
| 40 | Energy Restriction and Colorectal Cancer: A Call for Additional Research. <i>Nutrients</i> , 2020, 12, 114. | 4.1 | 31 |
| 41 | Measuring biological aging in humans: A quest. <i>Aging Cell</i> , 2020, 19, e13080. | 6.7 | 364 |
| 42 | A Central Role for the Gasotransmitter H2S in Aging. <i>Cell Metabolism</i> , 2020, 31, 10-12. | 16.2 | 26 |
| 43 | Time-restricted feeding (TRF) for prevention of age-related vascular cognitive impairment and dementia. <i>Ageing Research Reviews</i> , 2020, 64, 101189. | 10.9 | 41 |
| 44 | Estrogens decrease osteoclast number by attenuating mitochondria oxidative phosphorylation and ATP production in early osteoclast precursors. <i>Scientific Reports</i> , 2020, 10, 11933. | 3.3 | 52 |
| 45 | NQO1 protects obese mice through improvements in glucose and lipid metabolism. <i>Npj Aging and Mechanisms of Disease</i> , 2020, 6, 13. | 4.5 | 20 |
| 46 | Elucidating the mechanisms by which disulfiram protects against obesity and metabolic syndrome. <i>Npj Aging and Mechanisms of Disease</i> , 2020, 6, 8. | 4.5 | 12 |
| 47 | A Glance Back at the <i>Journal of Gerontology</i> —Coffee, Dietary Interventions and Life Span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 2029-2030. | 3.6 | 2 |
| 48 | Branched chain amino acids, aging and age-related health. <i>Ageing Research Reviews</i> , 2020, 64, 101198. | 10.9 | 105 |
| 49 | Age-induced accumulation of methylmalonic acid promotes tumour progression. <i>Nature</i> , 2020, 585, 283-287. | 27.8 | 115 |
| 50 | Perinatal diet influences health and survival in a mouse model of leukemia. <i>GeroScience</i> , 2020, 42, 1147-1155. | 4.6 | 5 |
| 51 | Untangling Determinants of Enhanced Health and Lifespan through a Multi-omics Approach in Mice. <i>Cell Metabolism</i> , 2020, 32, 100-116.e4. | 16.2 | 85 |
| 52 | Disulfiram Treatment Normalizes Body Weight in Obese Mice. <i>Cell Metabolism</i> , 2020, 32, 203-214.e4. | 16.2 | 46 |
| 53 | Hepatic HuR modulates lipid homeostasis in response to high-fat diet. <i>Nature Communications</i> , 2020, 11, 3067. | 12.8 | 36 |
| 54 | Combining a High Dose of Metformin With the SIRT1 Activator, SRT1720, Reduces Life Span in Aged Mice Fed a High-Fat Diet. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 2037-2041. | 3.6 | 15 |

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|----|---|------|-----------|
| 55 | A roadmap to build a phenotypic metric of ageing: insights from the Baltimore Longitudinal Study of Aging. <i>Journal of Internal Medicine</i> , 2020, 287, 373-394. | 6.0 | 86 |
| 56 | The road ahead for health and lifespan interventions. <i>Ageing Research Reviews</i> , 2020, 59, 101037. | 10.9 | 76 |
| 57 | Deletion of Nrf2 shortens lifespan in C57BL/6J male mice but does not alter the health and survival benefits of caloric restriction. <i>Free Radical Biology and Medicine</i> , 2020, 152, 650-658. | 2.9 | 21 |
| 58 | Mitochondrial adaptations in liver and skeletal muscle to pro-longevity nutritional and genetic interventions: the crosstalk between calorie restriction and CYB5R3 overexpression in transgenic mice. <i>GeroScience</i> , 2020, 42, 977-994. | 4.6 | 7 |
| 59 | ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020, 12, 24484-24503. | 3.1 | 32 |
| 60 | A rat epigenetic clock recapitulates phenotypic aging and co-localizes with heterochromatin. <i>ELife</i> , 2020, 9, . | 6.0 | 36 |
| 61 | Spontaneous chordoma: a case report on a female UM-HET3 mouse from the SLAM study. <i>Aging Pathobiology and Therapeutics</i> , 2020, 2, 219-222. | 0.5 | 0 |
| 62 | The Impact of Aging, Calorie Restriction and Dietary Fat on Autophagy Markers and Mitochondrial Ultrastructure and Dynamics in Mouse Skeletal Muscle. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 760-769. | 3.6 | 33 |
| 63 | Benefits of Caloric Restriction in Longevity and Chemical-Induced Tumorigenesis Are Transmitted Independent of NQO1. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 155-162. | 3.6 | 15 |
| 64 | ADCK2 Haploinsufficiency Reduces Mitochondrial Lipid Oxidation and Causes Myopathy Associated with CoQ Deficiency. <i>Journal of Clinical Medicine</i> , 2019, 8, 1374. | 2.4 | 27 |
| 65 | Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. <i>Cell Metabolism</i> , 2019, 30, 462-476.e6. | 16.2 | 256 |
| 66 | Central nervous system SIRT1 expression is required for cued and contextual fear conditioning memory responses in aging mice. <i>Nutrition and Healthy Aging</i> , 2019, 5, 111-117. | 1.1 | 8 |
| 67 | Loss of miR-451a enhances SPARC production during myogenesis. <i>PLoS ONE</i> , 2019, 14, e0214301. | 2.5 | 8 |
| 68 | Pomalidomide Reduces Ischemic Brain Injury in Rodents. <i>Cell Transplantation</i> , 2019, 28, 439-450. | 2.5 | 14 |
| 69 | Frailty index as a biomarker of lifespan and healthspan: Focus on pharmacological interventions. <i>Mechanisms of Ageing and Development</i> , 2019, 180, 42-48. | 4.6 | 47 |
| 70 | Effects of Intermittent Fasting on Health, Aging, and Disease. <i>New England Journal of Medicine</i> , 2019, 381, 2541-2551. | 27.0 | 864 |
| 71 | Discoidin domain Receptor 2: A determinant of metabolic syndrome-associated arterial fibrosis in non-human primates. <i>PLoS ONE</i> , 2019, 14, e0225911. | 2.5 | 12 |
| 72 | The Many Faces of Nrf2: Short Term 4:10 Cycles of Low Caloric Intake Confer Protection Against Xenograft Tumor Growth, But Not Metastatic Growth. <i>Free Radical Biology and Medicine</i> , 2019, 145, S62. | 2.9 | 0 |

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|----|--|------|-----------|
| 73 | Daily Fasting Improves Health and Survival in Male Mice Independent of Diet Composition and Calories. Cell Metabolism, 2019, 29, 221-228.e3. | 16.2 | 210 |
| 74 | Of Aging Mice and Men: Gait Speed Decline Is a Translatable Trait, With Species-Specific Underlying Properties. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1413-1416. | 3.6 | 29 |
| 75 | Abstract P139: Cytochrome B5 Reductase 3 Biases Activation of Soluble Guanylyl Cyclase in Resistance Arteries. Hypertension, 2019, 74, . | 2.7 | 0 |
| 76 | Genetic Ablation of miR-33 Increases Food Intake, Enhances Adipose Tissue Expansion, and Promotes Obesity and Insulin Resistance. Cell Reports, 2018, 22, 2133-2145. | 6.4 | 94 |
| 77 | Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. Cell Metabolism, 2018, 27, 667-676.e4. | 16.2 | 242 |
| 78 | Long-term Dietary Macronutrients and Hepatic Gene Expression in Aging Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1618-1625. | 3.6 | 16 |
| 79 | Intermittent mTOR Inhibition Reverses Kidney Aging in Old Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 843-844. | 3.6 | 11 |
| 80 | 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. | 6.7 | 101 |
| 81 | Sex and Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 139-140. | 3.6 | 13 |
| 82 | Breaking the Ceiling of Human Maximal Life span. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1465-1471. | 3.6 | 22 |
| 83 | Caloric Restriction Research: New Perspectives on the Biology of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1-3. | 3.6 | 22 |
| 84 | Î±â€œMotor neurons are spared from aging while their synaptic inputs degenerate in monkeys and mice. Aging Cell, 2018, 17, e12726. | 6.7 | 47 |
| 85 | Caloric Restriction Mimetics Slow Aging of Neuromuscular Synapses and Muscle Fibers. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 21-28. | 3.6 | 28 |
| 86 | Caloric Restriction Study Design Limitations in Rodent and Nonhuman Primate Studies. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 48-53. | 3.6 | 44 |
| 87 | Nrf2 Deficiency Exacerbates Obesity-Induced Oxidative Stress, Neurovascular Dysfunction, Bloodâ€œBrain 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. | 3.6 | 111 |
| 88 | 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. | 6.4 | 102 |
| 89 | Commensal bacteria contribute to insulin resistance in aging by activating innate B1a cells. Science Translational Medicine, 2018, 10, . | 12.4 | 121 |
| 90 | A time to fast. Science, 2018, 362, 770-775. | 12.6 | 339 |

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|-----|---|------|-----------|
| 91 | Calorie Restriction Curbs Proinflammation That Accompanies Arterial Aging, Preserving a Youthful Phenotype. Journal of the American Heart Association, 2018, 7, e009112. | 3.7 | 26 |
| 92 | YoYo Dieting is Better than None. Obesity, 2018, 26, 1673-1673. | 3.0 | 8 |
| 93 | Carbotoxicity—Noxious Effects of Carbohydrates. Cell, 2018, 175, 605-614. | 28.9 | 82 |
| 94 | Overexpression of <i>CYB</i> 5R3 and <i>NQO</i> 1, two <i>NAD</i> ⁺ -producing enzymes, mimics aspects of caloric restriction. Aging Cell, 2018, 17, e12767. | 6.7 | 32 |
| 95 | Future directions of resveratrol research. Nutrition and Healthy Aging, 2018, 4, 287-290. | 1.1 | 24 |
| 96 | Apoptotic signaling of skeletal muscle tissue in response to cytochrome b5 reductase 3 over-expression and dietary interventions. Free Radical Biology and Medicine, 2018, 120, S85. | 2.9 | 0 |
| 97 | Sirt1 protects from <i>K</i> Ras-driven lung carcinogenesis. EMBO Reports, 2018, 19, . | 4.5 | 21 |
| 98 | Redox modulation of NQO1. PLoS ONE, 2018, 13, e0190717. | 2.5 | 31 |
| 99 | 17 β -Estradiol: A Novel Therapeutic Intervention to Target Age-related Chronic Inflammation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1-2. | 3.6 | 5 |
| 100 | Caloric restriction improves health and survival of rhesus monkeys. Nature Communications, 2017, 8, 14063. | 12.8 | 626 |
| 101 | The human longevity gene homolog INDY and interleukin-6 interact in hepatic lipid metabolism. Hepatology, 2017, 66, 616-630. | 7.3 | 55 |
| 102 | Effect of Resveratrol on Walking Performance in Older People With Peripheral Artery Disease. JAMA Cardiology, 2017, 2, 902. | 6.1 | 60 |
| 103 | Influence of anaerobic and aerobic exercise on age-related pathways in skeletal muscle. Ageing Research Reviews, 2017, 37, 39-52. | 10.9 | 16 |
| 104 | Kaempferol increases levels of coenzyme Q in kidney cells and serves as a biosynthetic ring precursor. Free Radical Biology and Medicine, 2017, 110, 176-187. | 2.9 | 32 |
| 105 | Conserved and species-specific molecular denominators in mammalian skeletal muscle aging. Npj Aging and Mechanisms of Disease, 2017, 3, 8. | 4.5 | 21 |
| 106 | Calorie restriction in rodents: Caveats to consider. Ageing Research Reviews, 2017, 39, 15-28. | 10.9 | 98 |
| 107 | A Comparison of Two Mouse Frailty Assessment Tools. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 904-909. | 3.6 | 32 |
| 108 | SIRT1 Polymorphisms and Serum-Induced SIRT1 Protein Expression in Aging and Frailty: The CHAMP Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 870-876. | 3.6 | 23 |

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|-----|---|------|-----------|
| 109 | Stem Cell Transplantation for Frailty. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1503-1504. | 3.6 | 13 |
| 110 | Health benefits of late-onset metformin treatment every other week in mice. Npj Aging and Mechanisms of Disease, 2017, 3, 16. | 4.5 | 49 |
| 111 | Comparative proteomic analyses of the parietal lobe from rhesus monkeys fed a high-fat/sugar diet with and without resveratrol supplementation, relative to a healthy diet: Insights into the roles of unhealthy diets and resveratrol on function. Journal of Nutritional Biochemistry, 2017, 39, 169-179. | 4.2 | 8 |
| 112 | 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. | 2.8 | 91 |
| 113 | Involvement of c-Jun N-Terminal Kinase in TNF-Driven Remodeling. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 393-401. | 2.9 | 17 |
| 114 | Cognitive and behavioral evaluation of nutritional interventions in rodent models of brain aging and dementia. Clinical Interventions in Aging, 2017, Volume 12, 1419-1428. | 2.9 | 82 |
| 115 | Hexokinases link DJ-1 to the PINK1/parkin pathway. Molecular Neurodegeneration, 2017, 12, 70. | 10.8 | 40 |
| 116 | Resveratrol supplementation confers neuroprotection in cortical brain tissue of nonhuman primates fed a high-fat/sucrose diet. Aging, 2016, 8, 899-916. | 3.1 | 44 |
| 117 | Animal models of frailty: current applications in clinical research. Clinical Interventions in Aging, 2016, Volume 11, 1519-1529. | 2.9 | 46 |
| 118 | Amniotic Epithelial Cells: A New Tool to Combat Aging and Age-Related Diseases?. Frontiers in Cell and Developmental Biology, 2016, 4, 135. | 3.7 | 20 |
| 119 | Muscle-Specific Myosin Heavy Chain Shifts in Response to a Long-Term High Fat/High Sugar Diet and Resveratrol Treatment in Nonhuman Primates. Frontiers in Physiology, 2016, 7, 77. | 2.8 | 24 |
| 120 | Fasting-Mimicking Diet Reduces HO-1 to Promote T-Cell-Mediated Tumor Cytotoxicity. Cancer Cell, 2016, 30, 136-146. | 16.8 | 289 |
| 121 | Ultrastructure of the liver microcirculation influences hepatic and systemic insulin activity and provides a mechanism for age-related insulin resistance. Aging Cell, 2016, 15, 706-715. | 6.7 | 60 |
| 122 | Cytochrome b5 reductase and the control of lipid metabolism and healthspan. Npj Aging and Mechanisms of Disease, 2016, 2, 16006. | 4.5 | 57 |
| 123 | Spermidine to the rescue for an aging heart. Nature Medicine, 2016, 22, 1389-1390. | 30.7 | 13 |
| 124 | Mitochondrial permeabilization without caspase activation mediates the increase of basal apoptosis in cells lacking Nrf2. Free Radical Biology and Medicine, 2016, 95, 82-95. | 2.9 | 10 |
| 125 | HuR and GRSF1 modulate the nuclear export and mitochondrial localization of the lncRNA <i>lincRMRP</i> . Genes and Development, 2016, 30, 1224-1239. | 5.9 | 176 |
| 126 | Pharmacological Strategies to Retard Cardiovascular Aging. Circulation Research, 2016, 118, 1626-1642. | 4.5 | 64 |

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|-----|--|------|-----------|
| 127 | Novel RNA-binding activity of NQO1 promotes SERPINA1 mRNA translation. Free Radical Biology and Medicine, 2016, 99, 225-233. | 2.9 | 28 |
| 128 | Metformin-mediated increase in DICER1 regulates microRNA expression and cellular senescence. Aging Cell, 2016, 15, 572-581. | 6.7 | 153 |
| 129 | Dietary fat composition influences glomerular and proximal convoluted tubule cell structure and autophagic processes in kidneys from calorie-restricted mice. Aging Cell, 2016, 15, 477-487. | 6.7 | 23 |
| 130 | Nutritional strategies to optimise cognitive function in the aging brain. Ageing Research Reviews, 2016, 31, 80-92. | 10.9 | 93 |
| 131 | Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. Cell Metabolism, 2016, 23, 1078-1092. | 16.2 | 302 |
| 132 | Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. Cell Metabolism, 2016, 23, 1093-1112. | 16.2 | 360 |
| 133 | N-Acetyl cysteine does not prevent liver toxicity from chronic low-dose plus subacute high-dose paracetamol exposure in young or old mice. Fundamental and Clinical Pharmacology, 2016, 30, 263-275. | 1.9 | 10 |
| 134 | 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. | 3.6 | 59 |
| 135 | Acetaminophen hepatotoxicity in mice: Effect of age, frailty and exposure type. Experimental Gerontology, 2016, 73, 95-106. | 2.8 | 33 |
| 136 | The effect of ageing on isoniazid pharmacokinetics and hepatotoxicity in Fischer 344 rats. Fundamental and Clinical Pharmacology, 2016, 30, 23-34. | 1.9 | 17 |
| 137 | Novel RNA-binding activity of MYF5 enhances Ccnd1/Cyclin D1 mRNA translation during myogenesis. Nucleic Acids Research, 2016, 44, 2393-2408. | 14.5 | 52 |
| 138 | Metformin: A Hopeful Promise in Aging Research. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025932. | 6.2 | 116 |
| 139 | The impact of low-protein high-carbohydrate diets on aging and lifespan. Cellular and Molecular Life Sciences, 2016, 73, 1237-1252. | 5.4 | 164 |
| 140 | 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. | 2.2 | 73 |
| 141 | Measures of Healthspan as Indices of Aging in Mice—A Recommendation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 427-430. | 3.6 | 76 |
| 142 | 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. | 3.6 | 122 |
| 143 | Conditioned medium derived from rat amniotic epithelial cells confers protection against inflammation, cancer, and senescence. Oncotarget, 2016, 7, 39051-39064. | 1.8 | 19 |
| 144 | miR-27b inhibits LDLR and ABCA1 expression but does not influence plasma and hepatic lipid levels in mice. Atherosclerosis, 2015, 243, 499-509. | 0.8 | 53 |

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|-----|---|------|-----------|
| 145 | Interventions to Slow Aging in Humans: Are We Ready?. Aging Cell, 2015, 14, 497-510. | 6.7 | 481 |
| 146 | Circular RNAs in monkey muscle: age-dependent changes. Aging, 2015, 7, 903-910. | 3.1 | 104 |
| 147 | GH Receptor Deficiency in Ecuadorian Adults Is Associated With Obesity and Enhanced Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2589-2596. | 3.6 | 54 |
| 148 | Macronutrients and caloric intake in health and longevity. Journal of Endocrinology, 2015, 226, R17-R28. | 2.6 | 110 |
| 149 | Dietary Protein to Carbohydrate Ratio and Caloric Restriction: Comparing Metabolic Outcomes in Mice. Cell Reports, 2015, 11, 1529-1534. | 6.4 | 169 |
| 150 | Reconsidering the Role of Mitochondria in Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1334-1342. | 3.6 | 196 |
| 151 | Factors that Impact on Interrater Reliability of the Mouse Clinical Frailty Index. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 694-695. | 3.6 | 19 |
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