Rafael de Cabo

List of Publications by Year
in descending order

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 improves health and survival of mice on a high-calorie diet. Nature, 2006, 444, 337-342.	27.8	3,882
2	Calorie Restriction Promotes Mammalian Cell Survival by Inducing the SIRT1 Deacetylase. Science, 2004, 305, 390-392.	12.6	1,784
3	Suppression of Oxidative Stress by Î²-Hydroxybutyrate, an Endogenous Histone Deacetylase Inhibitor. Science, 2013, 339, 211-214.	12.6	1,264
4	SIRT1 Is Required for AMPK Activation and the Beneficial Effects of Resveratrol on Mitochondrial Function. Cell Metabolism, 2012, 15, 675-690.	16.2	1,251
5	Declining NAD+ Induces a Pseudohypoxic State Disrupting Nuclear-Mitochondrial Communication during Aging. Cell, 2013, 155, 1624-1638.	28.9	1,134
6	Metformin improves healthspan and lifespan in mice. Nature Communications, 2013, 4, 2192.	12.8	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.	16.2	1,060
8	Impact of caloric restriction on health and survival in rhesus monkeys from the NIA study. Nature, 2012, 489, 318-321.	27.8	973
9	Effects of Intermittent Fasting on Health, Aging, and Disease. New England Journal of Medicine, 2019, 381, 2541-2551.	27.0	864
10	Nutrient-Sensitive Mitochondrial NAD+ Levels Dictate Cell Survival. Cell, 2007, 130, 1095-1107.	28.9	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.	3.6	774
12	Caloric restriction improves health and survival of rhesus monkeys. Nature Communications, 2017, 8, 14063.	12.8	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.	12.4	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.	7.1	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.	7.1	599
16	Fasting Cycles Retard Growth of Tumors and Sensitize a Range of Cancer Cell Types to Chemotherapy. Science Translational Medicine, 2012, 4, 124ra27.	12.4	531
17	The SIRT1 Deacetylase Suppresses Intestinal Tumorigenesis and Colon Cancer Growth. PLoS ONE, 2008, 3, e2020.	2.5	516
18	Interventions to Slow Aging in Humans: Are We Ready?. Aging Cell, 2015, 14, 497-510.	6.7	481

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19	The Mitochondrial-Derived Peptide MOTS-c Promotes Metabolic Homeostasis and Reduces Obesity and Insulin Resistance. Cell Metabolism, 2015, 21, 443-454.	16.2	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.	3.2	457
21	SIRT1 Is Essential for Normal Cognitive Function and Synaptic Plasticity. Journal of Neuroscience, 2010, 30, 9695-9707.	3.6	452
22	Mechanisms of Vascular Aging: New Perspectives. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 1028-1041.	3.6	429
23	Resveratrol induces mitochondrial biogenesis in endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H13-H20.	3.2	378
24	Calorie restriction mimetics: an emerging research field. Aging Cell, 2006, 5, 97-108.	6.7	372
25	Measuring biological aging in humans: A quest. Aging Cell, 2020, 19, e13080.	6.7	364
26	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. Cell Metabolism, 2016, 23, 1093-1112.	16.2	360
27	The SIRT1 Activator SRT1720 Extends Lifespan and Improves Health of Mice Fed a Standard Diet. Cell Reports, 2014, 6, 836-843.	6.4	342
28	Are sirtuins viable targets for improving healthspan and lifespan?. Nature Reviews Drug Discovery, 2012, 11, 443-461.	46.4	339
29	A time to fast. Science, 2018, 362, 770-775.	12.6	339
30	Mitochondrial biogenesis and healthy aging. Experimental Gerontology, 2008, 43, 813-819.	2.8	315
31	A High-Fat Diet and NAD + Activate Sirt1 to Rescue Premature Aging in Cockayne Syndrome. Cell Metabolism, 2014, 20, 840-855.	16.2	306
32	The Search for Antiaging Interventions: From Elixirs to Fasting Regimens. Cell, 2014, 157, 1515-1526.	28.9	302
33	Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. Cell Metabolism, 2016, 23, 1078-1092.	16.2	302
34	Fasting-Mimicking Diet Reduces HO-1 to Promote TÂCell-Mediated Tumor Cytotoxicity. Cancer Cell, 2016, 30, 136-146.	16.8	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.	6.4	278
36	Dietary deprivation extends lifespan in Caenorhabditis elegans. Aging Cell, 2006, 5, 515-524.	6.7	261

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37	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. Cell Metabolism, 2019, 30, 462-476.e6.	16.2	256
38	Of mice and men: The benefits of caloric restriction, exercise, and mimetics. Ageing Research Reviews, 2012, 11, 390-398.	10.9	254
39	SRT1720 improves survival and healthspan of obese mice. Scientific Reports, 2011, 1, 70.	3.3	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.	3.2	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.	7.1	243
42	Nicotinamide Improves Aspects of Healthspan, but Not Lifespan, in Mice. Cell Metabolism, 2018, 27, 667-676.e4.	16.2	242
43	Reduced Expression of MYC Increases Longevity and Enhances Healthspan. Cell, 2015, 160, 477-488.	28.9	238
44	Animal Models of Aging Research: Implications for Human Aging and Age-Related Diseases. Annual Review of Animal Biosciences, 2015, 3, 283-303.	7.4	233
45	Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. Cell Metabolism, 2012, 15, 361-371.	16.2	231
46	The Neuromuscular Junction: Aging at the Crossroad between Nerves and Muscle. Frontiers in Aging Neuroscience, 2014, 6, 208.	3.4	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.	3.2	229
48	JNK1 Phosphorylates SIRT1 and Promotes Its Enzymatic Activity. PLoS ONE, 2009, 4, e8414.	2.5	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.	4.6	221
50	Mechanisms Underlying Caloric Restriction and Lifespan Regulation. Circulation Research, 2008, 102, 519-528.	4.5	219
51	Genome-wide identification of microRNAs regulating cholesterol and triglyceride homeostasis. Nature Medicine, 2015, 21, 1290-1297.	30.7	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.	16.2	212
53	Daily Fasting Improves Health and Survival in Male Mice Independent of Diet Composition and Calories. Cell Metabolism, 2019, 29, 221-228.e3.	16.2	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.	6.7	208

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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.	6.7	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.	7.1	207
57	MicroRNA-148a regulates LDL receptor and ABCA1 expression to control circulating lipoprotein levels. Nature Medicine, 2015, 21, 1280-1289.	30.7	203
58	Reconsidering the Role of Mitochondria in Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1334-1342.	3.6	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.	3.6	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.	16.2	193
61	Resveratrol supplementation: Where are we now and where should we go?. Ageing Research Reviews, 2015, 21, 1-15.	10.9	193
62	Development of Calorie Restriction Mimetics as a Prolongevity Strategy. Annals of the New York Academy of Sciences, 2004, 1019, 412-423.	3.8	191
63	FOXOs attenuate bone formation by suppressing Wnt signaling. Journal of Clinical Investigation, 2013, 123, 3409-3419.	8.2	190
64	Resveratrol Prevents High Fat/Sucrose Diet-Induced Central Arterial Wall Inflammation and Stiffening in Nonhuman Primates. Cell Metabolism, 2014, 20, 183-190.	16.2	186
65	Resveratrol Prevents Monocrotaline-Induced Pulmonary Hypertension in Rats. Hypertension, 2009, 54, 668-675.	2.7	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.	3.6	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.	8.5	177
68	HuR and GRSF1 modulate the nuclear export and mitochondrial localization of the lncRNA <i>RMRP</i>. Genes and Development, 2016, 30, 1224-1239.	5.9	176
69	Calorie restriction attenuates Alzheimer's disease type brain amyloidosis in Squirrel monkeys (Saimiri) Tj ETQq1 1 0.784314 rgBT /Overl	2.6	172
70	Dietary Protein to Carbohydrate Ratio and Caloric Restriction: Comparing Metabolic Outcomes in Mice. Cell Reports, 2015, 11, 1529-1534.	6.4	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.	3.4	167
72	The impact of low-protein high-carbohydrate diets on aging and lifespan. Cellular and Molecular Life Sciences, 2016, 73, 1237-1252.	5.4	164

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73	Circulating adiponectin levels increase in rats on caloric restriction: the potential for insulin sensitization. Experimental Gerontology, 2004, 39, 1049-1059.	2.8	157
74	Regulation of SIRT6 protein levels by nutrient availability. FEBS Letters, 2008, 582, 543-548.	2.8	153
75	Metforminâ€mediated increase in DICER1 regulates microRNA expression and cellular senescence. Aging Cell, 2016, 15, 572-581.	6.7	153
76	Ubiquitin-mediated proteolysis of HuR by heat shock. EMBO Journal, 2009, 28, 1271-1282.	7.8	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.	4.3	149
78	Old Age and the Hepatic Sinusoid. Anatomical Record, 2008, 291, 672-683.	1.4	144
79	The carbohydrate-insulin model: a physiological perspective on the obesity pandemic. American Journal of Clinical Nutrition, 2021, 114, 1873-1885.	4.7	141
80	MicroRNA 33 Regulates Glucose Metabolism. Molecular and Cellular Biology, 2013, 33, 2891-2902.	2.3	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.	3.2	138
82	The importance of plasma membrane coenzyme Q in aging and stress responses. Mitochondrion, 2007, 7, S34-S40.	3.4	136
83	Calorie restriction attenuates age-related alterations in the plasma membrane antioxidant system in rat liver. Experimental Gerontology, 2004, 39, 297-304.	2.8	135
84	Inhibition of Breast Cancer Metastasis by Resveratrol-Mediated Inactivation of Tumor-Evoked Regulatory B Cells. Journal of Immunology, 2013, 191, 4141-4151.	0.8	132
85	A Regulatory Role for MicroRNA 33* in Controlling Lipid Metabolism Gene Expression. Molecular and Cellular Biology, 2013, 33, 2339-2352.	2.3	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.	3.6	122
87	Resveratrol Prevents Î²-Cell Dedifferentiation in Nonhuman Primates Given a High-Fat/High-Sugar Diet. Diabetes, 2013, 62, 3500-3513.	0.6	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.	3.6	122
89	Commensal bacteria contribute to insulin resistance in aging by activating innate B1a cells. Science Translational Medicine, 2018, 10, .	12.4	121
90	The plasma membrane redox system in aging. Ageing Research Reviews, 2006, 5, 209-220.	10.9	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.	0.5	118
92	miR-519 suppresses tumor growth by reducing HuR levels. Cell Cycle, 2010, 9, 1354-1359.	2.6	117
93	Metformin: A Hopeful Promise in Aging Research. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025932.	6.2	116
94	Negative Regulation of STAT3 Protein-mediated Cellular Respiration by SIRT1 Protein. Journal of Biological Chemistry, 2011, 286, 19270-19279.	3.4	115
95	NRF2, cancer and calorie restriction. Oncogene, 2011, 30, 505-520.	5.9	115
96	Age-induced accumulation of methylmalonic acid promotes tumour progression. Nature, 2020, 585, 283-287.	27.8	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.	2.8	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.	3.6	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.	3.1	110
100	Macronutrients and caloric intake in health and longevity. Journal of Endocrinology, 2015, 226, R17-R28.	2.6	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.	3.4	109
102	LKB1 and AMPK regulate synaptic remodeling in old age. Nature Neuroscience, 2014, 17, 1190-1197.	14.8	106
103	Branched chain amino acids, aging and age-related health. Ageing Research Reviews, 2020, 64, 101198.	10.9	105
104	Circular RNAs in monkey muscle: age-dependent changes. Aging, 2015, 7, 903-910.	3.1	104
105	Age-associated miRNA Alterations in Skeletal Muscle from Rhesus Monkeys reversed by caloric restriction. Aging, 2013, 5, 692-703.	3.1	104
106	Capsaicin inhibits plasma membrane NADH oxidase and growth of human and mouse melanoma lines. European Journal of Cancer, 1996, 32, 1995-2003.	2.8	103
107	An in vitro model of caloric restriction. Experimental Gerontology, 2003, 38, 631-639.	2.8	102
108	RAP1 Protects from Obesity through Its Extratelomeric Role Regulating Gene Expression. Cell Reports, 2013, 3, 2059-2074.	6.4	102

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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.	6.4	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.	6.7	101
111	Mitochondrial Protection by Resveratrol. Exercise and Sport Sciences Reviews, 2011, 39, 128-132.	3.0	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.	6.7	99
114	Calorie restriction in rodents: Caveats to consider. Ageing Research Reviews, 2017, 39, 15-28.	10.9	98
115	Restoration of energy homeostasis by SIRT6 extends healthy lifespan. Nature Communications, 2021, 12, 3208.	12.8	98
116	Maternal Exercise Improves Insulin Sensitivity in Mature Rat Offspring. Medicine and Science in Sports and Exercise, 2013, 45, 832-840.	0.4	95
117	Mitochondrial Metabolic Reprogramming Induced by Calorie Restriction. Antioxidants and Redox Signaling, 2013, 19, 310-320.	5.4	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.	6.4	94
119	Nutritional strategies to optimise cognitive function in the aging brain. Ageing Research Reviews, 2016, 31, 80-92.	10.9	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.	3.6	92
121	RNA-Binding Protein HuD Controls Insulin Translation. Molecular Cell, 2012, 45, 826-835.	9.7	92
122	Perinatal exercise improves glucose homeostasis in adult offspring. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1061-E1068.	3.5	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.	2.8	91
124	HuD Regulates Coding and Noncoding RNA to Induce APPâ†'Aβ Processing. Cell Reports, 2014, 7, 1401-1409.	6.4	90
125	The potential for dietary restriction to increase longevity in humans: extrapolation from monkey studies. Biogerontology, 2006, 7, 143-148.	3.9	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.	6.0	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.	16.2	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.	2.9	82
130	Carbotoxicityâ€"Noxious Effects of Carbohydrates. Cell, 2018, 175, 605-614.	28.9	82
131	Dietary activators of Sirt1. Molecular and Cellular Endocrinology, 2009, 299, 58-63.	3.2	81
132	A toolbox for the longitudinal assessment of healthspan in aging mice. Nature Protocols, 2020, 15, 540-574.	12.0	81
133	Pharmacological Inhibition of PI3K Reduces Adiposity and Metabolic Syndrome in Obese Mice and Rhesus Monkeys. Cell Metabolism, 2015, 21, 558-570.	16.2	79
134	Effects of calorie restriction on cardioprotection and cardiovascular health. Journal of Molecular and Cellular Cardiology, 2011, 51, 263-271.	1.9	78
135	Oxidative Stress Accumulates in Adipose Tissue during Aging and Inhibits Adipogenesis. PLoS ONE, 2011, 6, e18532.	2.5	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.	3.6	76
137	The road ahead for health and lifespan interventions. Ageing Research Reviews, 2020, 59, 101037.	10.9	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.	2.2	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.	3.6	72
140	AsSIRTing the DNA damage response. Trends in Cell Biology, 2008, 18, 77-83.	7.9	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.	2.5	68
142	Adipogenic signaling in rat white adipose tissue: Modulation by aging and calorie restriction. Experimental Gerontology, 2007, 42, 733-744.	2.8	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.	3.2	65
144	Pharmacological Strategies to Retard Cardiovascular Aging. Circulation Research, 2016, 118, 1626-1642.	4.5	64

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145	Dietary Restriction: Standing Up for Sirtuins. Science, 2010, 329, 1012-1013.	12.6	63
146	Up-regulation of plasma membrane-associated redox activities in neuronal cells lacking functional mitochondria. Journal of Neurochemistry, 2007, 100, 1364-1374.	3.9	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.	6.7	60
148	Effect of Resveratrol on Walking Performance in Older People With Peripheral Artery Disease. JAMA Cardiology, 2017, 2, 902.	6.1	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.	3.6	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.	3.3	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.	12.8	57
153	Bioenergetics of aging and calorie restriction. Ageing Research Reviews, 2006, 5, 125-143.	10.9	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.	2.8	55
155	The human longevity gene homolog INDY and interleukinâ€6 interact in hepatic lipid metabolism. Hepatology, 2017, 66, 616-630.	7.3	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.	3.6	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.	0.8	53
159	Novel RNA-binding activity of MYF5 enhances<i>Ccnd1</i>/<i>Cyclin D1</i>mRNA translation during myogenesis. Nucleic Acids Research, 2016, 44, 2393-2408.	14.5	52
160	Estrogens decrease osteoclast number by attenuating mitochondria oxidative phosphorylation and ATP production in early osteoclast precursors. Scientific Reports, 2020, 10, 11933.	3.3	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.	4.6	51
162	Protective role of ubiquinone in vitamin E and seleniumâ€deficient plasma membranes. BioFactors, 1999, 9, 163-170.	5.4	49

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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.	3.8	48
166	Aging Biology and Novel Targets for Drug Discovery. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67A, 168-174.	3.6	48
167	Intermittent fasting: from calories to time restriction. GeroScience, 2021, 43, 1083-1092.	4.6	48
168	Î±â€Motor neurons are spared from aging while their synaptic inputs degenerate in monkeys and mice. Aging Cell, 2018, 17, e12726.	6.7	47
169	Frailty index as a biomarker of lifespan and healthspan: Focus on pharmacological interventions. Mechanisms of Ageing and Development, 2019, 180, 42-48.	4.6	47
170	A cross-sectional study of functional and metabolic changes during aging through the lifespan in male mice. ELife, 2021, 10, .	6.0	47
171	Conserved and Differential Effects of Dietary Energy Intake on the Hippocampal Transcriptomes of Females and Males. PLoS ONE, 2008, 3, e2398.	2.5	46
172	Animal models of frailty: current applications in clinical research. Clinical Interventions in Aging, 2016, Volume 11, 1519-1529.	2.9	46
173	Disulfiram Treatment Normalizes Body Weight in Obese Mice. Cell Metabolism, 2020, 32, 203-214.e4.	16.2	46
174	Caloric restriction reduces age-related pseudocapillarization of the hepatic sinusoid. Experimental Gerontology, 2007, 42, 374-378.	2.8	45
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